software AG

webMethods EntireX

Error Messages and Codes

Version 10.5

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WEBMETHODS

This document applies to webMethods EntireX Version 10.5 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

Table of Contents

Error Messages and Codes

This document describes the error messages and codes of webMethods EntireX. The messages are arranged by message class. Most of the messages below have the following format: *cccnnn[n|s]*

where *cccc* is the message class

        nnnn is the message number in the range 0000-9999, or

        nnns is the message number in the range 000-999 and severity of the error:
             E: error; function cannot be performed
             I: information
             W: warning; potential problem exists

Within an error message, "{*n*}" is a placeholder for variable text. For example: "Connection to {0} failed: {1}". Here "{0}" and "{1}" will be replaced by meaningful text depending on the context of the error.

This document is organized as follows:

- **List of Message Classes**
- **Prefixes**
- **Abbreviations**

See also *Component Return Codes in EntireX* | *Broker Command and Information Services Error Codes* | *EXXMSG - Command-line Tool for Displaying Error Messages* | *Administration Service Messages*.

List of Message Classes

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1002nnnn	User-definable Server
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1016nnnn	EntireX RPC Service Messages
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1018nnnn	EntireX RPC-ACI Bridge
1020nnnn	IDL Extractor for Natural
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2000nnnn	XML/SOAP Runtime
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2010nnnn	RPC Server and Listener for IBM® MQ
2011nnnn	Connections to IMS Connect
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2013nnnn	Deployment to XML RPC Server
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2023nnnn	Connections to ApplinX
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4000nnnn	EntireX Process Extractor
8000nnnn - 8999nnnn	User-definable ACI Messages
ADASnn	Adabas SVC System Messages. These messages occur only when using XCOM communicator under z/OS or z/VSE.
ADASIPnn	Adabas SVC Installation
ETBDnnnn	Broker Log and Console - Diagnostic Messages
ETBEnnnn	Broker Log and Console - Error Messages
ETBMnnnn	Broker Log and Console - Informational Messages
ETBWnnnn	Broker Log and Console - Unit of Work/Persistence Messages
EXXn	EntireX CICS ABEND Codes
MLCnn	Software AG Licensing Messages. These Messages are produced by Software AG mainframe license processing or when using the license utility, LICUTIL.
SAGTOKnn	EntireX SAGTOKEN Messages
SECxnnn	EntireX Broker Security Server for BS2000
XCOnnns	X-COM Console Messages

Prefixes

Some error messages include a prefix that tells you where the problem occurred:

Prefix	Location of the Problem
API	ACI (the EntireX Broker API)
ATTR	Broker Attribute File
NET	Entire Net-Work or EntireX Broker Engine
PSI	Persistent Store
TRANS	Translation Services
STUB	EntireX Broker Link Routine

Abbreviations

Error messages may contain one or more of the following abbreviations:

Abbreviation	Meaning
Adabas RB	Adabas Record Buffer
Adabas VB	Adabas Value Buffer
BCT	Broker Control Table
CCB	Conversation Control Block
COM	Communication Manager
GCT	Global Count Table
MQ/OMB	Message Queue/Output Message Block
PCB	Participant (user) Control Block
PCBEXT	PCB Extension
SCB	Service Control Block
SCBEXT	SCB Extension
SPFX	Stub Prefix
SSL	Secure Sockets Layer/Transport Layer Security
STUB	EntireX Broker environment-dependent link routine
TFE	Trace Filter Entry
TOM	Timeout Manager
TOQ	Timeout Queue
TRE	Translation Request Entry
UOW	Unit Of Work
WQE	Work Queue Entry
XPE	Expel Entry

1 About this Documentation

Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
`Monospace font`	Identifies service names and locations in the format *folder.subfolder.service*, APIs, Java classes, methods, properties.
Italic	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
`Monospace font`	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
|	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the | symbol.
[ ]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [ ] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

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- Open and update support incidents.

- Add product feature requests.

Data Protection

Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

2 Message Class 0000 - Successful Response

This message class is returned if the EntireX function has been performed successfully. No special action is required.

00000000	**Successful response**
Explanation	The action has completed successfully.
Action	None.

3   Message Class 0001 - RPC C Runtime

This page describes messages with message class 0001. These messages have the format:

0001*nnnn*

 where 0001 is the message class and

      nnnn is the message number in the range 0000 - 9999.

This message class is returned if an error has occurred in the RPC C runtime layer.

00010001	**No Communication**
Explanation	Denotes an inconsistency within the EntireX RPC Runtime.
Action	Contact Software AG support.

00010003	**Unknown medium**
Explanation	The EntireX RPC Runtime detected an invalid server address.
Action	When using the C API `erx.h`: The `ERX_SERVER_ADDRESS` structure of the EntireX RPC Runtime is not correct or was not correctly initialized. The medium must be `ERX_TM_BROKER`, `ERX_TM_BROKER_LIBRARY` or `ERX_TM_CONNECTION`.

00010004	**Invalid control block**
Explanation	The EntireX RPC Runtime API was called with an invalid connection or `CallId`.
Action	When using the C API `erx.h`: Check program and correct error.

00010005   **Out of memory**

Explanation   The operating system could not satisfy a memory request.

Action   Increase your memory resources and retry.

00010006   **No more registrations**

Explanation   An `ERXRegister` API call can register a maximum of 256 threads at a time with the
                      EntireX RPC Runtime within one process.

Action   When using the C API `erx.h`:
                      Check program and correct error.

00010007   **Already registered**

Explanation   An `ERXRegister` API call is attempting to register a thread with the EntireX RPC
                      Runtime twice.

Action   When using the C API `erx.h`: It is not necessary to register a thread multiple times.
                      However, it is required to register a thread once. We recommend having the number
                      of `ERXRegister`/`ERXUnregister` calls occurring in pairs. If you insist on registering
                      a thread twice, ignore this error. Check program and correct error.

00010008   **Not registered in ERX Runtime**

Explanation   Before a thread/process can use an EntireX RPC Runtime API function, the
                      thread/process must be registered with the EntireX RPC `ERXRegister` API call.

Action   ■ When using the C API `erx.h`:

                      Check program and correct error.

                      ■ When using the DCOM Wrapper:

                      Contact Software AG support.

00010009   **Parameter error. Location of wrong parameter is n**

Explanation   An EntireX RPC Runtime API function was called with an invalid address or
                      inconsistent parameter. The number n denotes the position of the inconsistent
                      parameter within the API.

Action   When using the C API `erx.h`:
                      Check program and correct error.

00010010	**Control block not found**
Explanation	An EntireX RPC Runtime API function with corrupt memory was called. The internal data structures were not found.
Action	■ When using the C API `erx.h`: Check program and correct error. ■ When using the DCOM Wrapper: Contact Software AG support.

00010011	**Pending call**
Explanation	During a conversational Remote Procedure Call there was a failure and another EntireX RPC Runtime `ERXCall` API call was issued.
Action	When using the C API `erx.h`: Close the Connection with the EntireX `ERXDisconnect` API function call.

00010018	**Invalid memory**
Explanation	One of the following occurred: 1. The memory area supplied for the EntireX RPC Runtime API is invalid. It could not be read from or written to. 2. An `ERX_VDATA` handle is corrupt.
Action	■ When using the C API `erx.h`: Check program and correct error. ■ When using the DCOM Wrapper: Contact Software AG support.

00010019	**Invalid Call ID**
Explanation	The CallId for the EntireX RPC Runtime API function is invalid or corrupt.
Action	■ When using the C API `erx.h`: Check program and correct error. ■ When using the DCOM Wrapper: Contact Software AG support.

00010028	**Illegal type**
Explanation	The EntireX RPC Runtime API received an invalid parameter. There is an inconsistency between the template files, the header file `erx.h` or the EntireX RPC Runtime. The type of parameter is not supported.
Action	■ When using the C API `erx.h`:

Re-generate the client proxy or server stubs with the correct template file *client.tpl* and *server.tpl* and compile and link it with the header file `erx.h` from the same EntireX RPC version.

■ When using the DCOM Wrapper:

Re-generate the DCOM server, using the correct template files.

00010032	**Too many indices**
Explanation	The EntireX RPC Runtime API call received an invalid parameter. There is an inconsistency between the template files, the header file `erx.h` or the EntireX RPC Runtime.
Action	The EntireX RPC Runtime is binary backward compatible. It must have the same or a higher EntireX version as the template and header files used.

■ When using the C API `erx.h`:

Re-generate the client proxy or server stubs with the correct template file *client.tpl* and *server.tpl* and compile and link it with the header file `erx.h` from the same EntireX RPC version.

■ When using the DCOM Wrapper:

Re-generate the DCOM server, using the correct template files.

00010034	**No pending call**
Explanation	An EntireX RPC Runtime API `ERXWait` call was issued and no RPC request was pending.
Action	Check program and correct error.

00010036	**Parameters values not ascending**
Explanation	The EntireX RPC Runtime API call received an invalid parameter. There is an inconsistency between the template files, the header file `erx.h` or the EntireX RPC Runtime. One of the following applies:

■ The size of the first dimension of an array parameter must not be less than the size of the second dimension.

■ The size of the second dimension of an array parameter must not be less than the size of the third dimension.

Action   The EntireX RPC Runtime is binary backward compatible. It must have the same or a higher EntireX version as the template and header files used.

■ When using the C API `erx.h`:

Re-generate the client proxy or server stubs with the correct template file *client.tpl* and *server.tpl* and compile and link it with the header file `erx.h` from the same EntireX RPC version.

00010037	**Invalid timeout**

Explanation   The timeout value must not be zero.

Action   ■ When using the C API `erx.h`:

The `ERX_SERVER_ADDRESS` structure of the EntireX RPC Runtime is not correct or was not correctly initialized. Check program and correct error.

■ When using the DCOM Wrapper:

Provide a valid timeout for the property `TimeOut`.

00010038	**Version not supported**

Explanation   The EntireX RPC Runtime API `ERXRegister` call was issued with an invalid version.

Action   The EntireX RPC Runtime is binary backward compatible. It must have the same or a higher EntireX version as the template and header files used.

■ When using the C API `erx.h`:

Use the appropriate ERX_Vnnn macro defined in the `erx.h` header file. Re-generate the client proxy or server stubs with the correct template file *client.tpl* and *server.tpl* and compile and link it with the header file `erx.h` from the same EntireX RPC version.

■ When using the DCOM Wrapper:

Re-generate the DCOM server, using the correct template files.

00010039	**Cyclic parameter**

Explanation   The EntireX RPC Runtime API call received an invalid parameter. There is an inconsistency between the template files, the header file `erx.h` or the EntireX RPC Runtime. The offending parameter (or one of its parents) is its own parent. The parameter definition is cyclic.

Action   The EntireX RPC Runtime is binary backward compatible. It must have the same or a higher EntireX version as the template and header files used.

■ When using the C API `erx.h`:

Re-generate the client proxy or server stubs with the correct template file *client.tp*l and *server.tpl* and compile and link it with the header file `erx.h` from the same EntireX RPC version.

- When using the DCOM Wrapper:

Re-generate the DCOM server, using the correct template files.

00010045	**AT EXIT error**
Explanation	An error occurred while establishing the `atexit` function.
Action	Contact Software AG support.

00010046	**Initializing trace failed**
Explanation	Tracing for the EntireX RPC Runtime could not be switched on. Either no trace destination had been entered, or the trace file could not be opened.
Action	Contact your System Administrator.

00010052	**Library missing**
Explanation	No Library name was given.
Action	■ When using the C API `erx.h`: The `ERX_SERVER_ADDRESS` structure of the EntireX RPC Runtime is not correct or was not correctly initialized. When using the `ERX_TM_BROKER_LIBRARY` as the medium, `szLibraryName` must also be given. Check program and correct error. ■ When using the DCOM Wrapper: Provide a valid library for the property `Library`.

00010053	**User ID missing**
Explanation	No User ID was entered.
Action	■ When using the C API `erx.h`: The `ERX_CLIENT_IDENTIFICATION` structure of the EntireX RPC Runtime is not correct or was not correctly initialized. Check program and correct error. ■ When using the DCOM Wrapper: Provide a valid user ID for the property `UserID`.

00010054   **Password missing**

Explanation   No Password was entered.

Action   1. When using the C API `erx.h`:

The `ERX_CLIENT_IDENTIFICATION` structure of the EntireX RPC Runtime is not correct or was not correctly initialized. Check program and correct error.

2. When using the DCOM Wrapper:

Provide a valid password for the property `PassWord`.

00010055   **BCD overflow**

Explanation   This is an internal error.

Action   Contact Software AG support.

00010056   **BCD division by zero**

Explanation   This is an internal error.

Action   Contact Software AG support.

00010058   **Invalid direction**

Explanation   The EntireX RPC Runtime API call received an invalid parameter. The direction specification must be one of the following: `ERX_IN_PARM`, `ERX_OUT_PARM` or `ERX_INOUT_PARM`.

Action   The EntireX RPC Runtime is binary backward compatible. It must have the same or a higher EntireX version as the template and header files used.

■ When using the C API `erx.h`: Re-generate the Client proxy or Server stubs with the correct template file *client.tpl* and *server.tpl* and compile and link it with the header file `erx.h` of the same EntireX RPC version.

■ When using the DCOM Wrapper:

Re-generate the DCOM server, using the correct template files.

00010060   **Response <response> from(Command/Info Service)**

Explanation   A response was retrieved from the broker's Command/Info Service interface while an EntireX RPC API function `ERXTerminateServer` was executed.

Action   See *Broker Command and Information Services Error Codes*.

00010061	**Server not found(Command/Info Service)**
Explanation	This is an informational message of the EntireX RPC Runtime.
Action	Contact Software AG support.

00010063	**Invalid Parameter Definition Version**
Explanation	The EntireX RPC parameter definition is not consistent to the EntireX version registered with the EntireX RPC API `ERXRegister` function. There is an inconsistency between the template files, the header file `erx.h` or the EntireX RPC Runtime.
Action	■ When using the C API `erx.h`: For all versions prior to ERX_V530, `ERX_PARAMETER_DEFINITION` (defined in `erx.h` of related version) must be used. For ERX_V530 and above `ERX_PARAMETER_DEFINITION_V2` (defined in `erx.h` of related version) must be used. Re-generate the client proxy or server stubs with the correct template file *client.tp*l and *server.tpl* and compile and link it with the header file `erx.h` of the same EntireX RPC version. ■ When using the DCOM Wrapper: Re-generate the DCOM server, using the correct template files.

00010064	**Internal error**
Explanation	This is an internal, informational message of the EntireX RPC Runtime.
Action	Contact Software AG support.

00010065	**No more VData Instances to free**
Explanation	This is an internal, informational message of the EntireX RPC Server.
Action	Contact Software AG support.

00010066	**Cache item not found**
Explanation	This is an internal, informational message of the EntireX RPC Runtime.
Action	Contact Software AG support.

00010067	**Success pending call**
Explanation	This can be a result of a `ERX_CC_PEEK` command of the EntireX RPC Runtime API function `ERXControl`.
Action	Program dependent.

00010068	**Not yet implemented**
Explanation	This is an internal, informational message of the EntireX RPC Runtime.
Action	Contact Software AG support.

00010069	**Invalid string buffer**
Explanation	While examining the string buffer, an error occurred within the EntireX RPC Runtime. The partner did not adhere to the metastructure <keyword>=<length>,<value>.
Action	Contact Software AG support.

00010070	**Parse error**
Explanation	This is an internal, informational message of the EntireX RPC Runtime.
Action	Contact Software AG support.

00010071	**Server replied with different compression**
Explanation	Your EntireX/Natural RPC server does not reply correctly to the EntireX RPC request.
Action	Contact Software AG support.

00010072	**Return Code <return-code> <cb-return-code>from Broker Stub**
Explanation	The EntireX Broker Stub replied with the specified return codes, where <return-code> is the stub's function return code and <cb-return-code> is from the ACI field return code.
Action	Check your configuration and correct the error.

00010075	**No RPC protocol version received by INQUIRE Call**
Explanation	The EntireX/Natural RPC server does not reply correctly to the `INQUIRE` call.
Action	Contact Software AG support.

00010076	**Server does not support RPC protocol version needed for the request**
Explanation	The request issued by the RPC client cannot be processed. Required functionality is missing in target *RPC-based Components* or *EntireX Broker*.
Action	If you are using *Arabic Shaping* (IBM-420, windows-1256), *Hebrew Codepage 803*, or codepage style *EBCDIC Stateful Codepages* or *Multibyte or Double-byte Codepages* (e.g. UTF8): Check the version of the EntireX Broker and the RPC server in use. Upgrade the EntireX Broker and the RPC server to the latest version available.
	If you are not using one of the codepages or codepage styles listed above: Check the version of the RPC server in use. Upgrade the RPC server to the latest version available.
	See also *Supported RPC Protocols*.

00010077	**Broker API Version 2 needed**
Explanation	Your EntireX Broker middleware (stub or kernel) does not support the Broker API version needed.
Action	If possible, upgrade your EntireX Broker Middleware (Stub and Kernel) at least to ETB211.

00010078	**Parameter maximum length or array bounds overflow**
Explanation	There was an overflow of an unbounded array. The maximum array boundaries are determined in the Software AG IDL file.
Action	Check the program and correct the error.

00010079	**Invalid unbounded array**
Explanation	Accessing an unbounded array has caused an error. This can happen during marshalling/unmarshalling within the EntireX RPC Runtime or when accessing the `erxArray...` functions directly.
Action	Either:

1. The unbounded array was destroyed by your program because of memory overwrites. Correct your program.

   or

2. An internal error occurred in the EntireX RPC Runtime. Contact Software AG support.

00010080	**No more unbounded arrays to free**
Explanation	This is an internal, informational message of the EntireX RPC Server.
Action	Contact Software AG support.

00010081	**Indices not correct**
Explanation	The `ERX_PARAMETER_DEFINITION_Vx` contains incorrect data in the `usAttributes` and `usType` fields.
Action	Re-generate, compile and link your client stub.

00010082	**Unbounded array does not match the IDL file**
Explanation	The data type and attributes of the unbounded array built with `erxArrayAlloc` do not match the data type, length, dimensions or attributes determined in the Software AG IDL file.
Action	Re-generate your client stub or create the unbounded array with the correct type, length, dimensions and attributes using `erxArrayAlloc`.

00010083	**Parameter not within value range**
Explanation	In the Software AG IDL file value ranges are defined for data types. The value you are trying to send is outside of the defined range. For example, it is not possible to send
	■ a negative value with data type NU or PU
	■ a value greater than 127 and less than -128 with I1
	■ a value greater than 32767 and less than -32768 with I2
	■ a value greater than 2147483647 and less than -2147483648 with I4.
Action	Check the program and correct the error.

00010084	**Unbounded array indices out of bounds**
Explanation	The indices you provided to access the unbounded array are out of bounds.
Action	Check the program and correct the error.

00010085	**Invalid data for unbounded array**
Explanation	The data provided for the unbounded array function does not conform to the rules of the data type. For example, the data provided for a data type P is not packed.
Action	Check the program and correct the error.

00010086	**Invalid preserve flag for unbounded array**
Explanation	The parameter preserve flag provided for the unbounded array function is invalid.
Action	Check the program and correct the error.

00010087	**Invalid dimension for unbounded array**
Explanation	The parameter dimension provided for the unbounded array function is invalid.
Action	Check the program and correct the error.

00010088	**Unbounded array parameter error**
Explanation	The parameter provided for the unbounded array function is invalid.
Action	Check the program and correct the error.

00010089	**Stub parameter definition error**
Explanation	The parameter definition within the client stub is incorrect.
Action	Re-generate your client stub with the IDL Compiler or EntireX DCOM Wrapper.

00010090	**SSL parameter initialization failed**
Explanation	Initialization failed because EntireX Broker stub does not support SSL.
Action	Use a stub which supports SSL or configure a transport method supported by the stub used.

00010091	**Broker API Version 6 needed**
Explanation	Your EntireX Broker middleware (Stub or Kernel) does not support the Broker API version needed.
Action	If possible, upgrade your EntireX Broker middleware (Stub and Kernel).

00010094	**Broker Stub could not be loaded**
Explanation	The EntireX Broker stub could not be found in the environment.
Action	Try again to install EntireX.

00010095	**Cannot open or read File=<file name>**
Explanation	An invalid configuration file name or a wrong file type was used to start the RPC server.
Action	Restart the server with correct configuration file.

00010096	**Error code for reply error missing**
Explanation	This is an internal error of the RPC runtime and RPC server.
Action	Contact Software AG support.

00010097	**Password change not supported by RPC server**
Explanation	The RPC server you are using does not support alteration of the RPC password. Altering RPC passwords is supported by Natural RPC Server only. EntireX RPC servers do not support alteration of RPC passwords.
Action	Contact Software AG support to check whether a newer version of the Natural RPC Server may support the feature.

00010100	**ICONV Open error for Unicode conversions**
Explanation	The RPC Runtime uses the iconv interface for converting Unicode encodings under UNIX. The iconv interface returned an error (-1) during open of the conversion descriptor. Either the source or target Unicode encoding are not supported.
Action	The Unicode encoding UTF-16BE is always needed. Depending on the used Unicode encoding of your environment, one of the following additional encodings are required: UTF-32BE UTF-32LE or UTF-16LE. See your UNIX documentation for more information on the iconv interface, especially the iconv open call. Check if the above encodings are available in your UNIX environment.

00010101	**ICONV target buffer for Unicode conversions too small**
Explanation	The RPC Runtime uses the iconv interface for converting Unicode encodings under UNIX. The iconv interface returned errno E2BIG. This error is an internal error of the RPC Runtime.
Action	See your UNIX documentation for more information on the iconv interface and error E2BIG. Contact Software AG support.

00010102	**ICONV Invalid descriptor**
Explanation	The RPC Runtime uses the iconv interface for converting Unicode encodings under UNIX. The iconv interface returned errno EBADF. This error is an internal error of the RPC Runtime.
Action	See your UNIX documentation for more information on the iconv interface and error EBADF. Contact Software AG support.

00010103   **ICONV Invalid Character or Shift Sequence**

Explanation   The RPC Runtime uses the iconv interface for converting Unicode encodings under
                      UNIX. The iconv interface returned errno EILSEQ. This is a user error.

Action   Check your data if valid Unicode characters being sent/received. See your UNIX
                      documentation for more information on the iconv interface and error EILSEQ.

00010104   **ICONV Incomplete Character or Shift Sequence**

Explanation   The RPC Runtime uses the iconv interface for converting Unicode encodings under
                      UNIX. The iconv interface returned errno EINVAL. This is a user error.

Action   Check your data to see whether valid Unicode characters are being sent/received. See
                      your UNIX documentation for more information on the iconv interface and error
                      EINVAL.

00010105   **ICONV Failed**

Explanation   The RPC Runtime uses the iconv interface for converting Unicode encodings under
                      UNIX. The iconv interface returned an undefined error.

Action   See your UNIX documentation for more information on the iconv interface. Contact
                      Software AG support.

00010106   **Illegal parameter direction**

Explanation   Reliable RPC allows only IN parameters.

Action   Remove any other OUT and INOUT parameters from this message.

00010107   **Invalid packet type for Reliable RPC**

Explanation   The packet type shipped with the RPC protocol is not valid for the use of Reliable
                      RPC.

Action   Contact Software AG support.

00010108   **Inconsistent Reliable RPC message**

Explanation   The string buffer item "REL" is missing or invalid.

Action   Contact Software AG support.

00010109   **Reserved for internal use**

00010110   **Reserved for internal use**

00010200   **Parameter Error: data not unsigned numeric. <direction> of IDL field**
                     [<parameter-name>] (<type-length>), location=<location>

Explanation   An application parameter cannot be processed because its content does not match the
                     expected format unsigned numeric (NU). See *IDL Data Types*.

                     The message provides additional information such as `<direction>`,
                     `<parameter-name>`, `<type-length>` and `<location>`, where

                     - `<direction>` is either `'Request'` if the error was detected before the RPC server
                       was executed, or `'Reply'` for the answer, i.e. if the RPC server was already executed.
                     - `<parameter-name>` is available for target programming language C only
                     - `<type-length>` matches the IDL data type; see *IDL Data Types*
                     - `<location>` contains the hierarchy of IDL nodes, separated by a colon. If an IDL
                       node is an array, its indexes are given in parentheses.

                     Example: `Reply of IDL field (NU14.0), location=3.2(I=5).1.`

                     The IDL below was used for the RPC call. The location is interpreted as follows: Third
                     field on level 1 is `'G-parameter-3-on-level-1'`; then second parameter on level 2
                     is the array `'G-parameter-32-on-level-2'`and (`I=5`) means the fifth occurrence;
                     then the first field on level 3 which is `'G-parameter-322-on-level-3'` produced
                     the error.

```
. . .
define data parameter
1 G-parameter-1-on-level-1       (A10) In
1 G-parameter-2-on-level-1                 In
1 G-parameter-3-on-level-1                 Out
  2 G-parameter-31-on-level-2
     3 G-parameter-311-on-level-3 (A5)
     3 G-parameter-312-on-level-3 (N8)
     3 G-parameter-313-on-level-3 (NU4)
  2 G-parameter-32-on-level-2    (/25)
     3 G-parameter-322-on-level-3 (NU14)
     3 G-parameter-321-on-level-3 (A5)
1 G-parameter-4-on-level-1       (A64)
. . .
end-define
```

Action   Make sure the IDL file, generated client interface objects and your client application
                     are consistent. Check your client application for parameter integrity.

00010201	**Parameter Error: data not signed numeric. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter cannot be processed because its content does not match the expected format signed numeric (N). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010202	**Parameter Error: data not numeric. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter cannot be processed because its content does not match the expected format unsigned numeric (NU) or signed numeric (N). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010203	**Parameter Error: data not unsigned packed. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter cannot be processed because its content does not match the expected format unsigned packed (PU). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010204	**Parameter Error: data not signed packed. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter cannot be processed because its content does not match the expected format signed packed (P). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010205	**Parameter Error: data not packed. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter cannot be processed because its content does not match the expected format unsigned packed (PU) or signed packed (P). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010206	**Parameter Error: I1 < MIN. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter of IDL type I1 cannot be processed because its content is less than the allowed minimum (-128) for I1. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010207	**Parameter Error: I1 > MAX. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter of IDL type I1 cannot be processed because its content is greater than the allowed maximum (+127) for I1. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010208	**Parameter Error: I2 < MIN. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter of IDL type I2 cannot be processed because its content is less than the allowed minimum (-32768) for I2. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010209	**Parameter Error: I2 > MAX. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter of IDL type I2 cannot be processed because its content is greater than the allowed maximum (+32767) for I2. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010210	**Parameter Error: I4 < MIN. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter of IDL type I4 cannot be processed because its content is less than the allowed minimum (-2147483648) for I4. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010211	**Parameter Error: I4 > MAX. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter of IDL type I2 cannot be processed because its content is greater than the allowed maximum (+2147483647) for I2. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010212	**Parameter Error: float < MIN. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter of IDL type F4 cannot be processed because its content is less than the allowed minimum (1.175494351e-38F) for F4. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010213	**Parameter Error: float > MAX. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F4 cannot be processed because its content is greater than the allowed maximum (3.402823466e+38F) for F4. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010215	**Parameter Error: float HUGE_VAL. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F4 cannot be processed because of conversation error HUGE_VAL. See C library `strtod()` for more information.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010216	**Parameter Error: double < MIN. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F8 cannot be processed because its content is less than the allowed minimum (2.2250738585072014e-308) for F8. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010217	**Parameter Error: double > MAX. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F8 cannot be processed because its content is greater than the allowed maximum (1.7976931348623158e+308) for F8. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.
Action	Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010218   **Parameter Error: double exponent over-, underflow. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation   An application parameter of IDL type F4 or F8 cannot be processed because of exponent over- or underflow. See *IDL Data Types*.

The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.

Action   Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010219   **Parameter Error: bad vdata provided. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation   An application parameter of IDL type AV, BV, KV or UV cannot be processed because incorrect data was applied, see *Using Variable-length Data Types AV, BV, KV and UV*.

The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.

Action   Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

00010220   **Parameter Error: bounds exceeds maximum. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation   An index of an application parameter for an IDL unbounded array (see `array-definition` under *Software AG IDL Grammar* in the IDL Editor documentation) cannot be processed because its value exceeds the maximum for upper bound.

The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 00010200.

Action   Make sure the IDL file, generated client interface objects and your client application are consistent. Check your client application for parameter integrity.

4 Message Class 0002 - EntireX ACI - User does not Exist

This page describes messages with message class 0002. The messages have the format:

0002*nnnn*

  where *0002* is the message class, and

       nnnn is the message number in the range 0000 - 9999.

The user has not interacted with EntireX Broker during the time determined either by `SERVER-NONACT` or `CLIENT-NONACT`. When the determined time has passed, all resources allocated to the user are released. All conversations are lost.

00020002	**User Does Not Exist**
Explanation	The user cannot be found. Users are added to EntireX Broker's internal structures when the first `REGISTER` (for servers) or the first `SEND` operation (for clients) is executed. This response is returned when:

1. The time determined in the attribute file for `CLIENT-NONACT` or `SERVER-NONACT` has elapsed since the last call of the user.

2. A server has not issued a `REGISTER` call as the first action.

3. A client has not started a conversation (`SEND` with `CONV-ID=NEW`) or a non-conversational request (`SEND` with `CONV-ID=NONE`) as the first action.

Action	For situation 1, contact the administrator to check the values supplied for `CLIENT-NONACT` or `SERVER-NONACT`. They may have to be increased. However, be sure not to supply too high a value, as this can lead to resources being used for a long period of time. Situations 2 and 3 are user errors. Check the program and correct the error.

5 Message Class 0003 - EntireX ACI - Conversation Ended

This page describes messages with message class 0003. The messages have the format:

0003*nnnn*

 where *0003* is the message class, and

 nnnn is the message number in the range 0000 - 9999.

This message class indicates the conversation has ended for the following reasons:

1. The partner issued an `EOC` or a `DEREGISTER` operation.

2. A timeout occurred for the partner (defined by either `CLIENT-NONACT` or `SERVER-NONACT`) or the conversation (defined by `CONV-NONACT`). All resources allocated for the conversation are released.

00030003	**No Matching Conversation Found**
Explanation	The conversation cannot be found, or no request is available for processing. This response is returned when:

    1. The wrong conversation ID is specified.

    2. A server issued a non-blocked `RECEIVE` with `CONV-ID=NEW/ANY` and no conversation or request is available for processing.

    3. Neither the client nor the server has accessed the conversation for the specified timeout period. The conversation is timed out and does not exist anymore (if a conversation timeout occurs while users are waiting, they are informed with error code 0073). For the Broker, timeout is specified by the `CONV-NONACT` parameter in the attribute file.

Action	Situation 1 is a user error. Check the program and correct the error.

For situation 2, contact the administrator and check the value supplied for `CONV-NONACT`. It may have to be increased. However, be sure not to supply too high a value as this can lead to resources being used for a long period of time.

For situation 3, this is an information-type message. How the program continues depends on the application.

00030005   **Partner finished the conversation**

Explanation   The partner has ended the conversation by either an `EOC` or `DEREGISTER` with `OPTION=IMMED`. This response is returned when:

1. The user has retrieved all the data/messages sent by the partner with `RECEIVE` calls and has attempted to get further data/message with a `RECEIVE` using the `OPTION=NEXT`. No more messages are available from the partner.

2. A function other than `RECEIVE` is issued and the partner has already ended the conversation.

Action   This is an informational message. How the program continues depends on the application. Messages from the partner not yet received can be received with subsequent `RECEIVE` calls, that is, when the conversation end is detected by a call other than `RECEIVE`, it is possible that messages from the partner exist.

00030010   **EOC due to DEREGISTER of partner**

Explanation   This error comes as the result of a receive function. The particular conversation is already closed because the partner application has `DEREGISTER`ed. This information is intended to tell an application the reason for an `EOC`:
`DEREGISTER` of the partner,
`LOGOFF` of the partner, or
`EOC` with cancel of the partner

Action   If possible, back out all actions taken for that conversation, since the end does not appear to be graceful.

00030011   **Partner cancelled the conversation**

Explanation   The partner marked the conversation as cancelled with the `EOC` operation.

Action   If possible, back out all actions taken for the conversation.

00030012   **EOC due to LOGOFF of partner**

Explanation   This error results from an attempted receive on a conversation that is already closed because the partner application performed a `LOGOFF`.

Action   If possible, back out all actions taken for the conversation.

00030067	**Partner timeout occurred**
Explanation	The partner for the conversation is no longer active. All conversations with this partner are terminated. This occurs when the partner has not issued a call to EntireX Broker for the time defined by either `CLIENT-NONACT` or `SERVER-NONACT`. Error code 0002 is returned to the partner when it attempts to access any of its previous conversations.
Action	If this happens repeatedly, contact the administrator and check the value supplied for `CLIENT-NONACT` or `SERVER-NONACT`. It may need to be increased. However, do not supply too high a value, as this can lead to resources being used for a long period of time.

00030073	**Conversation timeout occurred**
Explanation	The timeout defined for the conversation has elapsed without the partner issuing a Broker call against the conversation and therefore the conversation has ended. For the Broker, timeout is specified by the `CONV-NONACT` value for the service in the attribute file.
Action	Check the following causes:

- Ensure that the partner is working correctly.

- Contact the administrator and check the settings of the non-activity timeout. You may need to increase the timeout value. Do not supply too high a value, however, as this can lead to resources being used for a long period of time.

00030522	**Shutdown conversation was issued**
Explanation	The conversation was stopped with command `SHUTDOWN` of the Command and Info services.
Action	None.

6 Message Class 0007 - EntireX ACI - Service not Registered

This page describes messages with message class 0007. The messages have the format:

0007*nnnn*

 where *0007* is the message class, and

       nnnn is the message number in the range 0000 - 9999.

This message class is returned if no server is available offering the desired service. Servers providing the requested service have either not been started, stopped, timed out or cancelled. This situation is possible only in client programs and occurs when all active servers have deregistered their services with the `DEREGISTER` operation using the option `QUIESCE`.

00070007	**Service Not Registered**
Explanation	The requested service is not available. This response is returned when:

1. A user tried to initiate a communication (`SEND` with `CONV-ID=NEW`) with a service currently not available. All servers providing the requested service have not been started or have been stopped, timed out or cancelled. The response is also returned when the server issues a `DEREGISTER` with `OPTION QUIESCE`.

2. In response to a `DEREGISTER`/`RECEIVE` call: the user has not registered the service.

3. In response to an `EOC` call with `CONV-ID=ANY`: the given service could not be found.

Action   For situation 1, start an appropriate server process. For situations 2 or 3, register the service or ensure that the service has been registered correctly.

Note: For ACI version 9 and above, the error text associated with error number 00070007 will include the service name in the text. `SC=class SN=server SV=service not registered`.

00070483	**Participant not subscribed to this topic**
Explanation	Participant did not subscribe to the topic that has been specified in the current request.
Action	Issue subscribe and repeat request again

00070493	**No subscriber for topic**
Explanation	The requested topic is not available. No one has subscribed to this particular topic yet. Therefore, this publication cannot be received by anyone. Subscribers receive only those publications that were created after their subscription.
Action	No action.

7 Message Class 0008 - EntireX ACI - Security Error

The following messages are returned by EntireX Broker after a security violation is detected by EntireX Security or a user-defined security exit. This message class indicates that the security system rejected the intended action. The specific error is given as the message number in the last four bytes of the message code. The messages have the format:

0008*nnnn*

  where 0008 is the message class, and

        nnnn is the message number in the range 0000 - 9999.

This document covers the following topics:

EntireX Security Messages

00080001	**Access denied ext. security not active**
Explanation	Security system not active: no authorization could be determined. Access denied.
Action	Contact administrator of SAF security system.

00080002	**Access denied user profile not defined**
Explanation	User profile not defined to security system: access denied.

00080003	**Access denied password not authorized**
Explanation	User has supplied incorrect password: access denied.

00080004	**Access denied password expired**
Explanation	User's password has expired.
Action	Supply existing and new password. Successful access will result in password change.

00080005	**Access denied, new password invalid**
Explanation	User has supplied an invalid new password: access denied.
Action	Consult your site-specific rules governing passwords.

00080006	**Access denied, rejected by inst. exit**
Explanation	User access rejected by installation exit: access denied.
Action	Determine whether your site specifies security rules.

00080007	**Access denied, user ID revoked**
Explanation	User's access has been revoked - possible because of too many unsuccessful attempts: access denied.
Action	Request user ID to be reset.

00080008	**Access denied at this time date**
Explanation	User is denied access at this time/date: access denied.
Action	Contact security administrator to ensure that correct privileges are defined.

00080009	**Access denied resource not allowed**
Explanation	User is not permitted access to this resource: access denied.
Action	Contact security administrator to ensure that correct privileges are defined.

00080010	**Access denied resource not defined**
Explanation	Resource not defined to security system: access denied.
Action	Contact security administrator to ensure that correct privileges are defined.

00080011	**Access denied, IP address not allowed**
Explanation	Users are not permitted to execute the application at the IP address where they is currently located. This applies only where IP address authorization is enabled.
Action	Contact security administrator to ensure that correct privileges are defined.

00080012	**Access denied, IP address not defined**
Explanation	The IP address where the user is currently located is not defined to the security system. This applies only where IP address authorization is enabled.
Action	Contact security administrator to ensure that correct privileges are defined.

00080013	**Access Denied to application (APPL)**
Explanation	The user is not authorized to use the application that was defined with security-specific broker attribute `APPLICATION-NAME`. See `APPLICATION-NAME` under *Broker Attributes*.
Action	Ask your security administrator for permission to access the broker.

00080024	**ETBUPRE: Unresolved V-CON**
Explanation	The security function in the Broker stub was unable to locate the SAFCFG module for processing security settings.
Action	Assemble and link the SAFCFG module as described in the z/OS installation documentation. See *Installing EntireX Security for Applications using Broker Stubs*.

00080043	**Unable to initialize**
Explanation	Internal error occurred.
Action	Contact Software AG support.

00080044	**Invalid ENCRYPTION-LEVEL value**
Explanation	Application must supply values 0 | 1 | 2 in ACI field `ENCRYPTION-LEVEL`.
Action	Correct the application.

Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00080045	**Invalid** `CREDENTIALS-TYPE` **value**
Explanation	The application has supplied an incorrect value in ACI field `CREDENTIALS-TYPE`.
Action	Correct the application.

00080048	**Access denied, invalid credentials**
Explanation	User credentials are invalid.
Action	Correct user credentials.

00080049	**Invalid SECURITY-SYSTEM value**
Explanation	The value of this parameter supplied in the Broker attribute file is incorrect. Valid values are `OS` (authentication is performed agains local operating system) and *ldapUrl* (authentication is performed against LDAP repository).
Action	Correct attribute file parameter `SECURITY-SYSTEM` under *Broker Attributes*. (This attribute was called `AUTHENTICATION-TYPE` in EntireX version 9.10 and below.)

00080254	**Access denied SAF returns: xxxxxxx**
Explanation	SAF returns RACROUTE error codes: SSSSSSSS.
Action	Determine cause of error using information listed below.

00080255	**Access denied SAF interface error xx(yy)**
Explanation	Security returns error code xx(yy).
Action	Contact Software AG support

00080350	**Bad user ID detected, access denied**
Explanation	Either the user has not been defined, or the password does not match.
Action	Verify the specified user ID / password for the `LOGON` command

00080351	**Access Denied RPC lib/pgm not converted**
Explanation	Internal error occurred performing Client RPC Authorization.
Action	Contact Software AG support.

00080352	**Access Denied Reconnect requires UID/PWD**
Explanation	Application has attempted to transfer control to a different thread, or process, without correctly transferring the necessary values of `USER-ID`, `TOKEN` and `STOKEN`.
Action	The application transferring control must make values of `USER-ID`, `TOKEN` and `STOKEN` available to the application which is delegated to continue thread of execution.

00080353	**Access Denied Bad STOKEN: UID/PWD needed**
Explanation	Application has not correctly maintained the value of security token (`STOKEN`) in the EntireX Broker control block structure.
Action	The application must maintain the value of `STOKEN` in order to securely communicate with Broker kernel without sending `PASSWORD` with each command.

00080400	**Unable to load library exxauthr**
Explanation	If EntireX Security is enabled and the default user exit library `usrsec` is used, the additional library `exxauthr` must also be enabled.
Action	Check your installation.

00080401	**Service not defined, access denied**
Explanation	The resource is not defined. Access to service is rejected.
Action	See information provided under *Request Authorization* under *Configuration Options for Broker* in the EntireX Security documentation for z/OS.

00080402	**User not authorized for this service**
Explanation	The user is not authorized to send a request to the specified service.
Action	Check the list of defined users for this service (mainframe: EntireX SAF-based Security; UNIX/Windows: see *Authorization Rules*).

00080404	**Broker Security Server not running**
Explanation	The Broker Security Server for BS2000 is not started.
Action	Start the Broker Security Server.

00080405	**Broker Security Server not ready**
Explanation	EntireX Broker could connect to the EntireX BS2000 Security Server, but found the Server in status inactive.
Action	Verify whether the Security Server task started correctly.

00080406	**Broker Security Server timeout**
Explanation	The Broker Security Server did not respond.
Action	Verify whether the Security Server task started correctly. A Security Server trace may help to identify the problem.

00080407	**Authentication failed**
Explanation	Either the user ID is not defined or the password does not match.
Action	Supply a valid user ID and password. A Security Server trace may be turned on to identify the exact reason why the authentication failed.

00080408	**Access denied, invalid credentials**
Explanation	User credentials are invalid.
Action	Correct user credentials.

00080409	**Invalid AUTHENTICATION-TYPE value**
Explanation	The value of this parameter supplied in the Broker attribute file is incorrect.
Action	Correct attribute file parameter `AUTHENTICATION-TYPE`.

00080604	**STUB: Snd length too long for encryption**
Explanation	The Assembler-written stubs support encryption only where the send buffer is less than approximately 32 KB of data. If encryption is requested and the send length is greater than 32 KB, the command cannot be processed by the stub and a response is given.
Action	Do not specify encryption where the length of the send buffer is greater than 32 KB.

> **Note:** For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

Security Return Code

ACI error code 00080254 returned to the application indicates an unexpected response from SAF. This information is also shown in the Broker kernel trace when the appropriate trace level settings are applied. This message will contain the following bytes. *SSSSSSSS* in the documentation.

The hexadecimal return/reason code structure contains the following information:

Position within Message Code	Information Content
Byte: 1	SAF return code
Byte: 2	Not used
Byte: 3	Return code from security system, for example RACF
Byte: 4	Reason code from security system, for example RACF

8 Message Class 0010 - EntireX ACI - Commands to Server

This class is valid for servers only and indicates that the server received a command. These messages have the format:

0010*nnnn*

where 0010 is the message class, and

nnnn is the message number in the range 0000-9999.

00100022	**Attach Service required**
Explanation	This is not an error, but a notification that an attach service is required. In order to distinguish between a normal RECEIVE (including user data and the like) and an attach manager notification, the latter does not end with a 00000000 return code. In addition to the error code, a data structure in the receive buffer provides more information, for instance, which server to start.
Action	No user action is required, the attach manager has to start a server.

00100050	**Shutdown IMMED required**
Explanation	The administrator has requested an immediate shutdown, the only operation permitted is DEREGISTER with the option IMMEDIATE.
Action	No user action is required; the shutdown IMMED response means that the server no longer exists.

00100051   **Shutdown QUIESCE required**

Explanation   The administrator has requested this server to be shut down, the only operation
                   permitted is `DEREGISTER` with the option `QUIESCE`.

Action   Perform a `DEREGISTER` with option `QUIESCE`.

9 Message Class 0013 - EntireX Java

This page describes messages with message class 0013. The messages have the format:

0013*nnnn*

where 0013   is the message class, and

     nnnn are the error numbers grouped as follows:
          01*nn* EntireX Java ACI Errors
          02*nn* EntireX Java RPC Errors
          03*nn* Errors in the Transport Layer
          04*nn* SSL Errors
          09*nn* Errors for Broker Agent

00130100	**Register/RegisterAttach invalid for generic Service**
Explanation	`Register` or `RegisterAttach` has been called for a generic service (server address contains at least one asterisk). These methods are applicable to real services only.
Action	Correct your application.

00130101	**Send invalid for generic service**
Explanation	A `send` using a generic service was attempted.
Action	Correct your application.

00130102	**SendReceive invalid for generic service**
Explanation	A `sendReceive` using a generic service was attempted.
Action	Correct your application.

00130103	**Service.receive: Service returned by Broker not found**
Explanation	An internal inconsistency in the EntireX Java ACI has been detected.
Action	Contact Software AG support.

00130104	**Service.receive: found old conversation**
Explanation	An internal inconsistency in the EntireX Java ACI has been detected.
Action	Contact Software AG support.

00130105	**Service.receive: found wrong conversation**
Explanation	An internal inconsistency in the EntireX Java ACI has been detected.
Action	Contact Software AG support.

00130106	**Service.receive: got UnitofWork**
Explanation	An internal inconsistency in the EntireX Java ACI has been detected.
Action	Contact Software AG support.

00130107	**addConv: convID already found**
Explanation	An internal inconsistency in the EntireX Java ACI has been detected.
Action	Contact Software AG support.

00130108	**delConv: convID not found**
Explanation	An internal inconsistency in the EntireX Java ACI has been detected.
Action	Contact Software AG support.

00130109	**findUnitofWork: no UnitofWork**
Explanation	An internal inconsistency in the EntireX Java ACI has been detected.
Action	Contact Software AG support.

00130110   **findConversation: no Conversation**

Explanation   An internal inconsistency in the EntireX Java ACI has been detected.

Action   Contact Software AG support.

00130111   **endConversation: no conversation**

Explanation   The `endConversation` method has been called on either a newly created conversation or an already closed conversation.

Action   Correct your application.

00130112   **undo: no conversation**

Explanation   The `undo` method has been called on either a newly created conversation or an already closed conversation.

Action   Correct your application.

00130113   **send/sendReceive: got wrong convID, expected={0},received={1}**

Explanation   An internal inconsistency in the EntireX Java ACI has been detected.

Action   Contact Software AG support.

00130114   **receive: got wrong convID, expected={0},received={1}**

Explanation   An internal inconsistency in the EntireX Java ACI has been detected.

Action   Contact Software AG support.

00130115   **{0}: no running UnitofWork**

Explanation   The specified `UnitofWork` method (first parameter) has been called on a non-active `UnitofWork`.

Action   Correct your application.

00130116   **Codepage support for Broker {0} requires version 5.2 or higher**

Explanation   Codepage support has been requested for an EntireX Broker version 5.1 or lower.

Action   Disable codepage support for previous versions of EntireX Broker or use a Broker version 5.2 or higher.

00130117	**Requested call invalid for attach server**
Explanation	A method different from `receiveAttachInfo` has been called on an attach server.
Action	Only the `receiveAttachInfo` method can be used for an attach server.

00130118	**Encryption level support for Broker {0} requires version 6.1 or higher**
Explanation	Encryption level support has been requested for an EntireX Broker version 5.3 or lower.
Action	Do not use encryption level for previous versions of EntireX Broker or use Broker version 6.1 or higher.
	Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00130119	**Security object already set**
Explanation	For a Broker object, you are only allowed to set the security object once.
Action	Correct your application.

00130120	**Data compression support for Broker broker ID requires version 7.1 or higher**
Explanation	The broker in use does not support data compression. For data compression you need a broker version 7.1 or higher.
Action	Check your compression level settings or upgrade the broker.

00130121	**Encoding encoding name not supported**
Explanation	The Java Runtime Environment in use does not support this encoding.
Action	Check your Java Runtime Environment for the supported character encodings.

00130200	**rpcCall: length of SendBuffer is {0} instead of {1}**
Explanation	An internal inconsistency in the Java RPC has been detected.
Action	Contact Software AG support.

00130201	**rpcCall: unexpected end of conversation**
Explanation	The RPC server returns an end of conversation indication which is unexpected by the client.
Action	Check the conversation logic of your RPC client application.

00130202	rpcCall: length of received buffer too small, length = {0}
Explanation	The RPC server returned a reply with an illegal length.
Action	Check that your application is communicating with an RPC server. If the problem is reproducible, contact Software AG support.

00130203	rpcCall: wrong RPC version returned = {0}
Explanation	The reply returned from the RPC server uses a different RPC protocol version.
Action	Check that the RPC server can handle the same protocol version the client requests. Possible reasons could be that your client requests compression or Natural Security and the RPC server does not support these functionalities.

00130204	rpcCall: error returned from RPC server: {0}
Explanation	The RPC server returned the indicated error response.
Action	Depends on the error response. Check the RPC server's log for more information.

00130205	rpcCall: program {0} not found in library {1}
Explanation	The RPC server could not locate the requested (remote) program in the specified library.
Action	Check the location of the remote program.

00130206	rpcCall: internal error {0}
Explanation	The RPC server returned an error response for an internal error.
Action	Depends on the error response. Check the RPC server's log for more information.

00130207	rpcCall: error returned from server application for program {5}: number = {0} in line {1} of program {2} status={3}, level={4}
Explanation	This error usually indicates a problem in the Natural server application. If the error is in the range 6970 to 6979 it is a problem in the Natural RPC Server.
Action	Check your server application.

00130208	rpcCall: receive length {0} does not match expected length {1}
Explanation	The data which has been received from the RPC server caused an internal inconsistency in the Java RPC.
Action	Check if your application is communicating with an EntireX/Natural RPC Server. If the problem is reproducible, contact Software AG support.

00130209	**rpcCall: numeric value {0} does not fit in {1}.{2}**
Explanation	The value of a N/P parameter exceeds the format specification. For example, the value is 123.12 and the format is N2.2.
Action	Application problem.

00130210	**rpcCall: Natural Security requires non blank UserId, Password and Library**
Explanation	When `NaturalLogon` is enabled, non-blank values for `Library`, `UserId`, and `Password` have to be provided.
Action	Provide all necessary data in the RPC client application.

00130211	**rpcCall: ISO 8859_1 codepage not available**
Explanation	Conversion from a Java String to a byte array based on the codepage ISO 8859_1 failed.
Action	Check your Java installation. The standard codepage ISO 8859_1 should be supported.

00130212	**rpcCall: exponent of floating-point number {0} greater than 99**
Explanation	The exponent of a floating-point number used as input to an RPC request is greater than 99. This is not supported by EntireX RPC.
Action	Application problem.

00130213	**rpcCall: server does not support required version {0}**
Explanation	The request issued by the RPC client cannot be processed. Required functionality is missing in target *RPC-based Components* or *EntireX Broker*.
Action	If you are using *Arabic Shaping* (IBM-420, windows-1256), *Hebrew Codepage 803*, or codepage style *EBCDIC Stateful Codepages* or *Multibyte or Double-byte Codepages* (e.g. UTF8): Check the version of the EntireX Broker and the RPC server in use. Upgrade the EntireX Broker and the RPC server to the latest version available.

If you are not using one of the codepages or codepage styles listed above: Check the version of the RPC server in use. Upgrade the RPC server to the latest version available.

See also *Supported RPC Protocols*. |

00130214	**rpcCall: error{0} returned from server application for program {1} in library {2}**
Explanation	This error usually indicates a problem in the server application.
Action	Check your server application.

00130215	**No Broker instance or server address specified**
Explanation	The generated proxy has been instantiated without a Broker instance or server address specified. This necessary information was not supplied before calling a method of the proxy.
Action	Use the `setBroker` and `setServerAddress` methods to specify the missing information.

00130216	**Attempt to change the Broker instance or the server address during a conversation**
Explanation	Either the method `setBroker` or `setServerAddress` has been called during a conversation, which is not possible.
Action	Correct your application.

00130217	**rpcCall: malformed string buffer, offset=<offset>, length=<length>**
Explanation	The RPC response from the server is not well formed. This may happen when RPC client and RPC server are not compatible.
Action	Contact Software AG support.

00130218	**rpcCall: invalid length in buffer: <part of buffer>, length: <length>, digits: <number of digits>**
Explanation	The RPC response from the server is not well formed. This may happen when RPC client and RPC server are not compatible. The <part of buffer> contains the part of the buffer that should be a length, <length> is the length computed from the buffer part, <number of digits> is the number of digits parsed for the length.
Action	Contact Software AG support.

00130219	**rpcCall: Failed to create change password message**
Explanation	The Java Runtime was unable to create a message for the RPC password change. This is used for Natural RPC Servers running with Natural Security.
Action	Contact Software AG support.

00130220	**rpcCall: Failed to create change password message: <exception detail>**
Explanation	The Java Runtime was unable to create a message for the RPC password change. This is used for Natural RPC Servers running with Natural Security. See <exception detail> for the reason.
Action	Contact Software AG support.

00130221	**rpcCall: Reliable RPC supports only IN parameters. INOUT <inout-length>, OUT <out-length>**
Explanation	Reliable RPC allows only IDL direction `IN` parameters. The length of all `INOUT` parameters sent is given in `<inout-length>`. The length of all `OUT` parameters sent is given in `<out-length>`.
Action	Update your IDL, i.e. remove any `OUT` and `INOUT` parameters, possibly re-generate your interface object and/or update your application, then retry the RPC call.

00130222	**rpcCall: No item found in mixed password cache for <item> where one is expected**
Explanation	An internal inconsistency in the Java RPC has been detected.
Action	Contact Software AG support.

00130223	**rpcCall: client runtime does not support required version {0} (client runtime version is {1})**
Explanation	The request issued by the RPC client cannot be processed because the RPC client runtime does not support the required RPC functionality.
Action	Check the version of the RPC client runtime in use. Upgrade the RPC client runtime to the latest version available. See also *Supported RPC Protocols*.

00130300	**Unknown character set, value for left brace={0}**
Explanation	The EntireX Java ACI was unable to determine the native character set on the machine where it is running.
Action	Contact Software AG support.

00130301	**Unknown character set, value for blank={0}**
Explanation	The EntireX Java ACI was unable to determine the native character set on the machine where it is running.
Action	Contact Software AG support.

00130302	**Invalid ETB reply, length={0}**
Explanation	The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.
Action	Check if your application is communicating with an EntireX broker. If the problem is reproducible, contact Software AG support.

00130303 **Reply signature (*ANS) not found**

Explanation | The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.

Action | Check if your application is communicating with an EntireX broker. If the problem is reproducible, contact Software AG support.

00130304 **No API string returned from BROKER length={}**

Explanation | The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.

Action | Check if your application is communicating with an EntireX broker. If the problem is reproducible, contact Software AG support.

00130305 **BROKER return length ({0}) differs from communication layer length({1})**

Explanation | The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.

Action | Check if your application is communicating with an EntireX broker. If the problem is reproducible, contact Software AG support.

00130306 **Unknown ACI binary key {0}**

Explanation | The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.

Action | Contact Software AG support.

00130307 **Unknown ACI string keyword {0}**

Explanation | The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.

Action | Contact Software AG support.

00130308 **Wrong length for TEXT: {0}**

Explanation | The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.

Action | Contact Software AG support.

00130309	**Broker call: uniqueId must be a 28 byte array, actual length={0}**
Explanation	An internal inconsistency in the EntireX Java ACI has been detected.
Action	Contact Software AG support.

00130310	**Broker call failed: Invalid TCP header received, length = {0}**
Explanation	The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.
Action	Check if your application is communicating with an EntireX broker. If the problem is reproducible, contact Software AG support.

00130311	**Connection to {0} failed: {1}**
Explanation	An exception occurred when trying to establish a network connection to an EntireX broker.
Action	Check the error message returned from the Java networking class.

00130312	**Socket connect failed due to Java security restrictions for {0}:{1} ({2})**
Explanation	A security exception occurred during the open of a socket connection to an EntireX broker. A Java security manager is active which refused to open this socket connection.
Action	The most common reason for this exception is that a Java applet is trying to establish a connection to a Broker which is running on a machine which is not the same as the Web server the applet has been downloaded from. Your Broker has to run on the Web server machine or you have to use the Broker Agent. To get the correct IP address of the Web server machine use the `getCodeBase().getHost()` method call from the applet class.

00130313	**Send/receive failed for {0} ({1})**
Explanation	An exception occurred during the transfer of data to an EntireX broker through a network connection.
Action	Check the error message returned from the Java networking class.

00130314	**Socket connect failed: {0} unknown ({1})**
Explanation	The specified Broker ID could not be resolved to an IP address.
Action	Specify a valid Broker ID. Non-numeric IDs must be registered with the Domain Name System (DNS).

00130315   **Socket connect failed for {0}:{1} ({2})**

Explanation   Connection to the EntireX Broker failed. This means that the remote host could be reached, but is not responding.

Action   Check if a Broker is running on the specified machine and is listening on the specified port.

00130316   **Transport Timeout exceeded ({0})**

Explanation   The timeout specified in the entirex.timeout property has elapsed. It is also possible that this error is caused by an interruption of the Java thread which is executing the Broker call. Check the additional error message for details.

Action   Check availability of the EntireX Broker in case of a timeout. Expected behavior in case of an interrupt.

00130317   **Invalid Transport Timeout <value of entirex.timeout>**

Explanation   An invalid value for the `entirex.timeout` property has been specified.

Action   Use 0 for an infinite timeout or a value of 1 or above for a finite timeout in seconds.

00130318   **Socket connect failed: {0}:{1} unreachable ({2})**

Explanation   The socket could not be connected to the remote host because the host could not be contacted. This means that some link in the network between the local machine and the remote host is down, or that the host is behind a firewall.

Action   Check your network configuration and status.

00130319   **TCP Reply signature (EBCF) not found**

Explanation   The data which has been received from the Broker caused an internal inconsistency in the EntireX Java ACI.

Action   Contact Software AG support.

00130320   **Broker HTTP(S) Agent returned Error: {0}**

Explanation   Either the Web server or the Broker HTTP(S) Agent returned the indicated error response.

Action   If an HTTP error is returned, the most likely reason is that the Web server or the Broker HTTP(S) Agent is not configured correctly. Otherwise, the connection from the Broker HTTP(S) Agent to the EntireX Broker could have failed.

                       Note: Broker HTTP(S) Agent was formerly referred to as "Tunnel Servlet".

00130321	**Call to {0} failed: {1}**
Explanation	An `IOException` occurred when calling EntireX via the Broker HTTP(S) Agent.
Action	Check the error message.

00130322	**EntireX Broker returned an illegal physical user ID: "{0}"**
Explanation	The data which has been received from the broker caused an internal inconsistency in the EntireX Java ACI.
Action	Contact Software AG support.

00130323	**EntireX communication error: {0}**
Explanation	Either the EntireX Broker, the Broker Agent, or the Broker HTTP(S) Agent returned an unexpected communication error.
Action	Contact Software AG support.

00130324	**HTTP Server returned response code {0}**
Explanation	The HTTP server which serves the request to the EntireX Broker HTTP(S) Agent returned an HTTP response code that is different from HTTP response code 200.
Action	Check the error code and error message. Verify that the URL specified is correct and addresses the Broker HTTP(S) Agent. Verify that both the Web server and the servlet machine are up and running. Access to the Broker HTTP(S) Agent can be also be checked using a Web browser.

00130325	**Java Runtime does not support https ({0})**
Explanation	The Java Runtime does not support the HTTPS protocol. HTTPS implementations are available with the Java plug-in and the Java Secure Socket Extension (JSSE).
Action	Check if an HTTPS implementation is installed. Using an HTTPS implementation might require you to set the `java.protocol.handler.pkgs` system property.

00130326	**EntireX Broker returned communicator error: {0}**
Explanation	The EntireX Broker returned a low-level communication error. Typical reasons include memory allocation problems in the EntireX Broker.
Action	Check the error message. Additional information might be obtained by checking the log files of the communicator component of the EntireX Broker. See error codes 02150126, 02150128, 02150129. The Broker issued one of these error codes depending on the detailed error text.

00130327	**EntireX Broker HTTP(S) Agent returned error: {0}**
Explanation	The Broker HTTP(S) Agent returned an error. Typical reasons include unavailability of the EntireX Broker.
Action	Check the error message. Additional information might be obtained by checking the diagnostic output of the Broker HTTP(S) Agent.

00130328	**EntireX BrokerAgent returned error: {0}**
Explanation	The EntireX Broker Agent returned an error. Typical reasons include unavailability of the EntireX Broker.
Action	Check the error message. Additional information might be obtained by checking the diagnostic output of the Broker Agent.

00130331	**Error compressing send data: <detailed description>**
Explanation	An exception is thrown while compressing data before send.
Action	Contact Software AG support with detailed description.

00130332	**Error decompressing received data: <detailed description>**
Explanation	An exception is thrown while decompressing data after receive or the decompression is incomplete and results in inconsistent data.
Action	Contact Software AG support with detailed description.

00130333	**All sockets in socket pool for <Broker ID> are in use (size: <n> sockets)**
Explanation	All sockets in the socket pool for the given Broker ID are in use. n is the maximum number of sockets in this pool.
Action	Check size of socket pool and check connection to the Broker.

00130334	**Broker returned <returned number> bytes, more than RETL = <expected number> specifies**
Explanation	An internal inconsistency in the response from the EntireX Broker has been detected. The Broker returned a larger payload than expected. `<returned number>` is the number of bytes in the payload. `<expected number>` is the number of bytes expected (return length).
Action	Contact Software AG support.

00130400	**Error processing SSL KeyStore or TrustStore: {0}**
Explanation	The Java keystore that was specified by the `trust_store` or `key_store` parameter is invalid or corrupt.
Action	Check the specified keystore. See also *SSL/TLS Parameters for SSL Clients*.

00130401	**Error during SSL handshake: {0}**
Explanation	An SSL exception occurred during the SSL handshake between the SSL client and the SSL server. The most common case is an "untrusted server certificate chain" error.
Action	Check the error message for details. In case of an "untrusted server certificate chain" error, specify using the `trust_store` parameter a keystore that contains a trusted certificate entry for the issuer of the SSL server's certificate. See also *SSL/TLS Parameters for SSL Clients*.

00130402	**Server certificate issued for "{0}" instead of "{1}"**
Explanation	The certificate received from the SSL server contains a common name that is different from the hostname specified in the `BrokerID`. This is an indication that the SSL client is not communicating with the right SSL server. This error can only appear when `verify_server=yes` has been specified.
Action	Check that the host name matches the name in the server's certificate. See also *SSL/TLS Parameters for SSL Clients*.

00130403	**Invalid server certificate: {0}**
Explanation	The certificate received from the SSL server is syntactically invalid.
Action	Check the server's certificate. See also *SSL/TLS Parameters for SSL Clients*.

00130404	**SSL Transport could not be instantiated: {0}**
Explanation	The constructor of the SSL implementation class has thrown an exception.
Action	Check the error message for details.

00130405	**SSL Transport could not be loaded: {0}**
Explanation	A Java class used by the SSL implementation does not exist.
Action	Check your Java SSL installation.

00130406   **SSL Transport class {0} not found**

Explanation   The EntireX Java SSL implementation class does not exist.

Action   Check that the named class exists and can be loaded via the classpath.

00130407   **SSL Transport class could not be loaded: {0}**

Explanation   Something is wrong with the SSL implementation class.

Action   Check that the named class is correct.

00130408   **Class {0} is not an SSL Transport class**

Explanation   The named class is not recognized by EntireX Java as an SSL transport class.

Action   Check your installation. If the Java system property `entirex.ssltransport` has been specified, verify that it references an EntireX Java SSL transport class.

00130900   **Call rejected, BrokerAgent is shutting down**

Explanation   New connections are not accepted by the Broker Agent during shutdown processing.

Action   Restart Broker Agent.

00130901   **BrokerAgent: create socket failed: {0}**

Explanation   An exception occurred when opening a socket connection to an EntireX Broker.

Action   Check the error message returned from the Java socket class.

00130902   **BrokerAgent: read/write failed: {0}**

Explanation   An exception occurred during the transfer of data to an EntireX broker through a socket connection.

Action   Check the error message returned from the Java socket class.

00130903   **BrokerAgent: unknown {0}:{1}**

Explanation   The Broker Agent received a request for a Broker ID it is not serving.

Action   Check configuration of the Broker Agent(s).

00130904   **BrokerAgent: invalid request format**

Explanation   The Broker Agent received a request in an invalid format.

Action   Check the application which is using the Broker Agent. If the problem is reproducible, contact Software AG support.

10 Message Class 0014 - EntireX ACI - Broker Stub Version 1

This page describes messages with message class 0014: Error in Broker Stub Version 1. The messages have the format:

0014*nnnn*

 where 0014 is the message class, and

       nnnn is the message number in the range 0000 - 9999

This message class indicates a problem in the Broker stub being used. Examine the specific error message for the error number and make the correction. You should then be able to restart the application.

00140213	**Insufficient Memory For Stub**
Explanation	The Broker stub cannot allocate the storage needed to process the request.
Action	If you are using a Natural application in a mainframe environment, try to reduce or remove Natural buffers from the Natural space management. See the appropriate *Natural Operations* documentation for valid Natural buffer profile parameters such as `ASIZE`, `CSIZE`, `DSIZE`. When issuing the first call from any mainframe Natural platform, a buffer of 33 KB must be available within Natural space management.

00140969	**STUB: Cannot create callback logger**
Explanation	Stublog cannot be created.
Action	Contact Software AG support.

00140971   **STUB: Cannot obtain global context**

Explanation   Global stub context does not exist and cannot be obtained.

Action   Contact Software AG support.

11 Message Class 0015 - Designer

The messages have the format:

0015*nnnn*

where 0015   is the message class, and

nnnn   is the message number in the range 0000 - 9999

00151100	**General error in command-line interface for DCOM Wrapper**
Explanation	An unspecified error has occurred in the command-line interface. The error was in response to a request to run the DCOM Wrapper.
Action	Contact Software AG.

00151101	**Reserved**
Explanation	none
Action	none

00151102	**I/O error in command-line interface for DCOM Wrapper**
Explanation	An I/O error has occurred in the command-line interface. The error was in response to a request to run the DCOM Wrapper.
Action	Make sure that the input IDL file is readable. Make sure that the output directory exists and has write access. Make sure that the generated files are accessible.

00151103   **Command syntax error in command-line interface for DCOM Wrapper**

Explanation   The command-line argument `dcom:generate` was misspelled.

Action   Reenter the command-line argument correctly.

00151104   **Command option syntax error in command-line interface for DCOM Wrapper**

Explanation   An unknown command option was entered, or the command options `nt` or `os` were misspelled.

Action   Reenter the command-line argument correctly.

00151110   **General error in DCOM MIDL execution**

Explanation   An error occurred in the MIDL execution of the DCOM Wrapper. MIDL is called inside the generated DCOM batch script.

Action   Make sure the ntd daemon is running. Check the generated DCOM batch script and the availability of the MIDL input files.

00151111   **General error in DCOM batch script execution**

Explanation   An error occurred in a subprocess in the DCOM batch script, for example in the IDL Compiler calls.

Action   Check the generated DCOM batch script and the availability of the input files.

00151200   **General error in command-line interface for Java Wrapper**

Explanation   An unspecified error has occurred in the command-line interface. The error was in response to a request to run the Java Wrapper.

Action   Contact Software AG

00151300   **General error in command-line interface for XML/SOAP Wrapper**

Explanation   An unspecified error has occurred in the command-line interface. The error was in response to a request to run the XML/SOAP Wrapper.

Action   Contact Software AG.

00151301   **No IDL libraries found in specified Software AG IDL file**

Explanation   The specified IDL file is invalid or contains no IDL libraries. The error was in response to a request to run the XML/SOAP Wrapper.

Action   Correct the IDL file.

00151302   **I/O error in command-line interface for XML/SOAP Wrapper**

Explanation   An I/O error has occurred in the command-line interface. The error was in response to a request to run the XML/SOAP Wrapper.

Action   Make sure that the input IDL file is readable. Make sure that the output directory exists and has write access. Make sure that the XML mapping file is accessible.

00151500   **General error in command-line interface for plug-ins**

Explanation   An unspecified error has occurred in the command-line interface. The error was in response to a request to run a plug-in.

Action   Contact Software AG.

00151700   **Missing import source name in command-line interface for XML to IDL Generators**

Explanation   A misspelled command-line argument was issued to the command-line interface, because no import source name was entered.

Action   Enter an accessible and readable import source file name.

00151701   **Warning in command-line interface for XML to IDL Generators**

Explanation   A warning has occurred in the command-line interface.

Action   Follow the additional text of the warning.

00151702   **Error in command-line interface for XML to IDL Generators**

Explanation   An error has occurred in the command-line interface.

Action   Follow the additional text of the error.

00152000   **General command parsing error in command-line interface**

Explanation   An unspecified command parsing error has occurred in the command-line interface.

Action   Contact Software AG.

00152001   **Reserved**

Explanation   none

Action   none

00152002   **I/O error in command-line interface**

Explanation   An I/O error has occurred in the command-line interface.

Action   Make sure that the input IDL file and its properties file are accessible and readable.

00152003   **Reserved**

Explanation   none

Action   none

00152004   **IDL parser error in command-line interface**

Explanation   The specified IDL file is invalid.

Action   Correct the contents of the Software AG IDL file.

00152010   **Unknown command-line argument**

Explanation   An unknown or misspelled command-line argument was issued to the command-line interface.

Action   Check and correct the command-line argument.

12 Message Class 0020 - EntireX ACI - User Error in the API

This message class is returned when invalid arguments are specified in the API (ACI) or invalid EntireX Broker function sequences are issued. It is usually an error made by the application programmer. The situation can be examined using the error number returned. The messages have the format:

0020*nnnn*

where 0020   is the message class, and

      nnnn   is the message number in the range 0000 - 9999

00200004	**API: No Function Possible After EOC**
Explanation	The user has tried to access a conversation after finishing it with a previous `EOC` call.
Action	This is a user error. Perhaps an invalid conversation ID was specified. Check the program and correct the error.

00200006	**API: Last Message Not Found**
Explanation	This response is given to a `RECEIVE` call with `OPTION=LAST` when no data/messages have yet been received. It is not possible to look at the last message if you have not read the first one.
Action	This is a user error. Check the program and correct the error.

00200031	**API: Invalid value for :1:**
Explanation	This response is given when invalid values for the `WAIT` or `UWTIME` or `UWSTATP-ADDER` fields of the API are specified (for example, non-digits are given or the last character is not one of the valid time units S,M,H).
Action	This is a user error. Check the value for the field in the API of your program.

00200044	**API: Invalid error buffer ptr or length**
Explanation	The user has set the `errtext_length` in the Broker control block but has not provided an error buffer.
Action	This is a user error. The user should either provide an error buffer or set the `errtext_length` to 0.

00200047	**API: QUIESCE invalid for Attach Manager**
Explanation	Because a service registered with the option `ATTACH` does not run normal conversations, the `DEREGISTER` cannot wait for them to finish. In fact, the attachable service is no longer attachable after the `DEREGISTER`
Action	Do not use the `DEREGISTER` option `QUIESCE` for services that are registered as attach manager (option `ATTACH`)

00200048	**API: Already registered with ATTACH**
Explanation	An application can register a service either with the option `ATTACH` or as a normal server (without option `ATTACH`). The error occurs when an application attempts to do both.
Action	Do not try to register a single server as an attach manager and as a normal server simultaneously

00200052	**API: Already registered without ATTACH**
Explanation	An application can register a service either with the option `ATTACH`, or as a normal server (without option `ATTACH`). The error occurs when an application attempts to do both.
Action	Do not try to register a single server as a normal service and as an attach manager simultaneously.

00200070	**Unknown host**
Explanation	`BROKER-ID` contains an unknown host.
Action	Enter valid host in `BROKER-ID`.

00200094	**API: MSG Truncated To Fit Receive-Buffer**
Explanation	The data/message retrieved is larger than the supplied receive buffer. The data/message has been truncated to the actual length given in `RECEIVE-LENGTH` field of the API if API version 2 or above is used.
Action	See *Error Cases* under *Using Send and Receive Buffers* for information on how to respond to this error code.

00200098	**API: Function not possible if LOGON only**
Explanation	The performed function is not valid if only a `LOGON` call has been performed. This applies to a `RECEIVE`, `DEREGISTER` or `EOC` function. They are not allowed right after a `LOGON` call.
Action	Do not perform the listed function right after a `LOGON`. Perform a `REGISTER` before running the `DEREGISTER`, perform a `SEND` or a `RECEIVE` before running an `EOC` and accept or establish a conversation before running a `RECEIVE`.

00200134	**LOGON required**
Explanation	If `AUTOLOGON=NO` is defined in the attribute file, all participant applications must perform a `LOGON` call as the very first Broker call and a `LOGOFF` call when they have finished communicating with the Broker. If the user is using UOW, clients and servers must do a `LOGON`. If `AUTOLOGON=YES` and a `LOGON` is not done, this error will occur when a `SEND` with `OPTION=SYNC` is done. See `AUTOLOGON` under *Broker Attributes*.
Action	Make `LOGON` the very first call and `LOGOFF` the last call. If necessary, define the attribute `AUTOLOGON=YES` in order to support automatic `LOGON`. However, the recommended definition is to force an explicit `LOGON` call.

00200149	**No Error Text**
Explanation	The broker stub was unable to initialize the environment.

■ Under z/OS, the EXX load library was not concatenated to the `STEPLIB` chain.

■ Under BS2000, the EXX load library was not assigned to `LINK-NAME ETBLIB`.

Action	Depends on the operating system:

■ z/OS: Make sure the EXX load library is concatenated to the `STEPLIB` chain. See *Step 4: Authorize the Broker STEPLIB Data Sets*.

■ BS2000: Make sure the EXX load library is assigned to `LINK-NAME ETBLIB`. See *Linking the Stubs*.

00200164	**API: USER-ID and TOKEN required**
Explanation	`USER-ID` and `TOKEN` should be provided for durable subscription.
Action	Supply `USER-ID` and `TOKEN` in the Broker control block.

00200166	**Invalid OPTION/PUBLID combination**
Explanation	The `OPTION` / `PUBLID` combination in the API is invalid. For example, a `CONTROL_PUBLICATION` was issued with `OPTION=SETUSTATUS`, and no specific publication ID was given.
Action	This is a user error. Check the program and correct the error.

00200180	**API: Invalid TOPIC**
Explanation	A request was issued and no topic name was specified.
Action	Specify a topic name.

00200181	**API: Invalid User-ID**
Explanation	The value for the `USER-ID` field of the API is missing. The `USER-ID` is a mandatory parameter.
Action	This is a user error. Check the value for the `USER-ID` field in the API of your program.

00200182	**API: Invalid Function**
Explanation	The value for the `FUNCTION` field of the API is invalid.
Action	This is a user error. Check the value for the `FUNCTION` field in the API of your program.

00200183	**API: Invalid CLASS/NAME/SERVICE**
Explanation	The service is missing or invalid in a Broker call that requires a service, that is, a `REGISTER/DEREGISTER` or a `SEND/RECEIVE/EOC` call with no `CONV-ID` specified.
Action	This is a user error. Make sure that at least one of the following fields has been provided: `SERVER-CLASS`, `SERVER-NAME` or `SERVICE`. Together, these fields define the service.

00200184	**API: Invalid SEND-LENGTH**
Explanation	The value for the `SEND-LENGTH` field of the API is missing.
Action	This is a user error. A `SEND` call always requires a send-length. Check the program and correct the error.

00200185	**API: Invalid FUNCTION/CONVID Combination**
Explanation	The value for the `CONV-ID` field of the API is invalid, missing, or invalid in combination with the desired function.
Action	This is a user error. A `SEND`/`RECEIVE`/`EOC`/`UNDO` call requires a valid value for the `CONV-ID` (`CID`) field. Check the program and correct the error.

00200186	**API: Char '.'or',' not allowed in ACI CB**
Explanation	The character fields within the EntireX Broker ACI must not contain the metacharacter '.' or ','. These characters are used as special characters in the communication protocol between the Broker stub and the Broker.
Action	Correct the wrong character in the EntireX Broker ACI.

00200187	**API: Invalid FUNCTION/OPTION Combination**
Explanation	The `FUNCTION` / `OPTION` combination is invalid.
Action	This is a user error. Check the value for the `OPTION` field in conjunction with the `FUNCTION` field in the API of your program and correct the error.

00200188	**API: Invalid Option**
Explanation	The `OPTION` field of the API contains an unknown value.
Action	This is a user error. Check the value for the `OPTION` field in the API of your program and correct the error.

00200189	**API: Invalid RECEIVE-LENGTH**
Explanation	The value for the `RECEIVE-LENGTH` field of the API is missing. `RECEIVE` calls and blocked `SEND` calls always require a valid `RECEIVE-LENGTH`.
Action	This is a user error. Check the program and correct the error.

00200190	**API: Invalid Cmd/Info Services Version**
Explanation	The EntireX Broker kernel does not recognize the Command and Information Services API version requested.
Action	This is a user error. Please check the following:

- If you are using `ETBINFO`, `ETBCMD` or any other Software AG-provided Command and Information Services application: Check that the version of `ETBINFO` or `ETBCMD` is the same or earlier than the version of the Broker kernel.

- If you are using your own Command and Information Services application: verify that the Command and Information Services API version will work with the version of EntireX. The following table shows the maximum CIS API version for the respective version of EntireX:

Broker/EntireX Version	Max. CIS API Version
ETB 1 or ETB 2	1
EXX 3, 4, 5, 6	2
EXX 7.1	3
EXX 7.2	4
EXX 7.3	5
EXX 8.0 or 8.1	6
EXX 8.2	7
EXX 9.0, 9.5, 9.6, 9.7, 9.9	8
EXX 9.10, 9.12	9
EXX 10.1, 10.3	10
EXX 10.5	11

■ A possible cause for this error is a `SEND-LENGTH` that is too short. Increase this value if necessary.

00200191	**API: Invalid OPTION/CONV-ID Combination**
Explanation	The `OPTION`/`CONV-ID` combination in the API is invalid. For example, a `SEND` was issued with `OPTION=EOC` and `CONV-ID=NONE` or a `RECEIVE` with `OPTION=LAST` and no specific conversation ID (`CONV-ID`) was given.
Action	This is a user error. Check the program and correct the error.

00200192	**API: Invalid parameter count**
Explanation	More than four pointers have been supplied in the parameter list used to call the Broker stub.
Action	Correct the program. A maximum of four pointers can be supplied.

00200193	**API: Invalid FUNCTION/WAIT Combination**
Explanation	The `FUNCTION`/`WAIT` combination in the API is invalid. A `WAIT` value in the API can be specified for the `SEND`, `RECEIVE` and `RECEIVE_PUBLICATION` functions only.
Action	This is a user error. Check the program and correct the error.

00200194   **API: Invalid OPTION/WAIT Combination**

Explanation   The `OPTION`/`WAIT` combination in the API is invalid, that is, a `SEND` with `OPTION=EOC`, `HOLD` or `SYNC`, or a `RECEIVE` with `OPTION=LAST` was issued.

Action   This is a user error. Check the program and correct the error.

00200195   **API: Deregister not allowed from clients**

Explanation   This response is given when a client tries to issue a deregister call to EntireX Broker.

Action   Do not issue a `DEREGISTER` call for clients. Check the program and correct the error.

00200199   **API: Receive/CID=ANY Invalid For Clients**

Explanation   A client issued a `RECEIVE` call for new conversations.

Action   This is a user error. Clients cannot issue a `RECEIVE` with `CONV-ID=ANY` because a `RECEIVE` with `CONV-ID=ANY` must be preceded by a `REGISTER` call. Check the program and correct the error.

00200200   **API: RECEIVE/CID=NEW Invalid For Clients**

Explanation   A client has issued a `RECEIVE` call for new conversations.

Action   This is a user error. Clients cannot issue a `RECEIVE` with `CONV-ID=NEW` because a `RECEIVE` with `CONV-ID=NEW` must be preceded by a `REGISTER` call. Check the program and correct the error.

00200203   **API: No RECEIVE -BUFFER Address**

Explanation   The address of the receive buffer is missing for the Broker call. That is, a `RECEIVE` or a blocked `SEND` was issued without the receive buffer address.

Action   This is a user error. Check the program and correct the error.

00200208   **API: Invalid version number**

Explanation   One of the following errors occurred: Invalid `API-TYPE` or `API-VERSION` supplied by user when calling Broker stub. Invalid version supplied by user in internal control blocks when calling Broker stub. Broker detected an invalid or unsupported prefix version specified by stub. Broker does not support the `API-VERSION` supplied by user.

Action   This is a user error. Check version of Broker stubs and Broker kernel. Determine the stub version by using function `FCT_VERSION`. Determine the kernel version by using function `FCT_KERNELVERS`. Correct `API-TYPE` or `API-VERSION` in the Broker control block.

00200210	**API: No Send Buffer Address**
Explanation	A `SEND` was issued without the send buffer address. Therefore, no address is given to the Broker stub as the second parameter.
Action	This is a user error. Check the program and correct the error.

00200211	**API: No API Control Block Address**
Explanation	The ACI control block is missing for the call. No address is given to the Broker stub as the first parameter.
Action	This is a user error. Check the program and correct the error.

00200212	**API: (*) In SN/SC/SV Invalid For Function**
Explanation	The `FUNCTION`/`SERVICE` combination provided by the `SERVER-CLASS`, `SERVER-NAME`, and `SERVICE` fields of the API is invalid. That is, a `SEND` function is used with an asterisk (*) in any of the `SERVICE` fields.
Action	This is a user error. Check the program and correct the error.

00200216	**API: Invalid BROKER-ID**
Explanation	The `BROKER-ID` field in the API does not contain a valid numeric node ID.
Action	The `BROKER-ID` in the API should be the same as the `BROKER-ID` in the Broker attribute file.

00200218	**SEND/RECV-LEN :1: exceeds max (:2:)**
Explanation	The maximum length possible for the send buffer/receive buffer depends on the Broker API version and the transport method (TCP/IP or Entire Net-Work) used, and on the configuration of the EntireX Broker.
	■ :1: is replaced by the current message length requested in bytes.
	■ :2: is replaced by an extended reason description for the length. See Action below for list of reasons.
Action	Check the API version and the transport method (TCP/IP or Entire Net-Work) used, and the possible maximum length of send buffer/receive buffer for the transport method. See the field `SEND-LENGTH` of the Broker ACI control block. See `SEND-LENGTH` under *Broker ACI Fields*. Additional actions depend on the extended reason description:
	■ 'MAX-MESSAGE-LENGTH exceeded': Check the Broker attribute `MAX-MESSAGE-LENGTH`. See `MAX-MESSAGE-LENGTH` under *Broker Attributes*.
	■ 'IUBL or NABS exceeded': Check the Broker attributes `NABS` and `IUBL`. See `NABS` and `IUBL` under *Broker Attributes*.
	■ 'No ACBX support': Check the Broker attribute `EXTENDED-ACB-SUPPORT` is set to 'YES' to allow buffers greater than 32 KB to be transmitted. See `EXTENDED-ACB-SUPPORT` under *Broker Attributes*.

■ 'APIV1 max 32K': API version 1 does not support messages greater than 32 KB. Use a higher ACI API.

00200226	**API Invalid STATUS**
Explanation	The Broker has returned an invalid status.
Action	Contact Software AG support.

00200228	**API Invalid CONV-STAT**
Explanation	The Broker has returned an invalid conversation status.
Action	Contact Software AG support.

00200229	**API Invalid value for STORE**
Explanation	There are two possible error sources:

1. The application has supplied an invalid value for STORE in the Broker ACI control block. See STORE under *Broker ACI Fields*.
2. The Broker has returned an invalid value for STORE from the kernel.

Action	In situation 1, ensure that the application assigns only a valid value to the field.
	In situation 2, contact Software AG support.

00200246	**API: Cannot subscribe durable/non-durable**
Explanation	A SUBSCRIBE request can be made with option DURABLE. If the user is already subscribed to the topic, the same durability scope must be specified as option. A durable subscriber resubscribes with option DURABLE; a non-durable subscriber resubscribes without option DURABLE. A change of the durability scope requires an UNSUBSCRIBE request.
Action	Apply the correct option.

00200251	**API: Invalid FUNCTION/PUBLID combination**
Explanation	No publication ID was specified for this CONTROL_PUBLICATION request.
Action	Specify the publication ID.

00200252	**CID=NONE required for this service**
Explanation	The application tried to start a conversation when issuing an EntireX Broker command operation. The internal service should be used in non-conversational mode only (`CID=NONE`).
Action	Change your code.

00200267	**API: CID=NEW required for this service**
Explanation	An INFO service request has been started with `CID` not equal `NEW`. Because `INFO` services are conversational, a new conversation must be started with every initial `SEND` command. The returning information can be spread across several messages which must be received separately.
Action	Always send `INFO` requests with `CID=NEW`.

00200268	**API: REGISTER internal service rejected**
Explanation	The service that you specified is already registered as an internal service. All service definitions with the class SAG are reserved.
Action	Choose another service name

00200302	**EOC error: must back out unit of work**
Explanation	`EOC` commands are not allowed while a UOW is being built.
Action	Do not issue an `EOC` command before a UOW is committed. This message is for diagnostic purposes only.

00200311	**API: Invalid Numeric Field**
Explanation	The API field must be numeric.
Action	Correct the field value.

00200312	**API: Out of Range**
Explanation	The value of a field is incorrect.
Action	Correct the field value.

00200314	**API: UOW status invalid**
Explanation	Returned status of UOW is not valid.
Action	Check the `CONVID` and `UOWID` in the Broker control block.

00200335	**No Mixed Message with UOW on the Same CONVID**
Explanation	You cannot have UOW and non-UOW messages in the same conversation, that is, the same `CONVID`.
Action	Check the application and correct the error.

00200336	**No Mixed UOW with MSG on the Same CONVID**
Explanation	You cannot have UOW and non-UOW messages in the same conversation, that is, the same `CONVID`.
Action	Check the application and correct the error.

00200362	**API: Broker Stub De-Initialized**
Explanation	The Broker stub was initialized but had to be de-initialized because none of the shared library pointers (TCP or ADALNK) was available.
Action	Check for any serious errors that may have caused library cleanup.

00200371	**API: Cannot Specify arch w/o codepage**
Explanation	You cannot specify a `DATA-ARCH` to which a codepage applies without also specifying the codepage itself, using `LOCALE-STRING`.
Action	Check the application and correct the error.

00200372	**API: Error converting locale to codepage**
Explanation	The locale string sent by a client/server component could not be mapped to a codepage by the broker's built-in locale string mapping. See *Broker's Built-in Locale String Mapping*.
Action	Identify the locale string that could not be mapped to a codepage. The value of the `LS` keyword (`LS=locale-string`) in the broker trace may be helpful in identifying the erroneous locale string. Please use a valid locale string or define a new mapping in the broker attribute file. See the relevant attribute under `locale-string` for information on how to customize the mapping of locale strings to codepages.

00200377	**API: Character Conversion Overflow**
Explanation	The data/message retrieved after character conversion is larger than the supplied receive buffer. Conversion can increase the amount of your data. No data is provided in the receive buffer. The minimum buffer length required to receive the converted data is returned in the `RETURN-LENGTH` field of the API if API version 2 or above is used. The client or server should reread the message using a larger buffer with the required length.
Action	For RPC components, the error can be ignored because the reread of the message is handled inside the RPC layer. Exception: for older Natural RPC versions it may be necessary to increase the `MAX-BUFF` parameter.

For ACI programming, see *Error Cases* under *Using Send and Receive Buffers* for information on how to respond to this error code.

00200379	**API: Inconsistent security installation**
Explanation	The setting for security in the Broker kernel is different from the settings in one or more of the Broker stubs. Either the Broker kernel and all stubs must be configured to operate with security, or the kernel and all stubs must be configured to operate without security.
	For ACI version 8 and above, this error can be caused by an application not setting the correct value of `KERNELSECURITY` in the EntireX Broker control block field; see `KERNELSECURITY` under *Broker ACI Fields*. The correct value is set automatically by the `KERNELVERS` command and this value must be maintained in the EntireX Broker control block field. If the application is unable or unwilling to perform the `KERNELVERS` command, configure the stub so that the security setting is consistent with the Broker kernel. See `KERNELVERS` under *Broker ACI Functions* and also *EntireX Security*
Action	Ensure the security settings are consistent for Broker kernel and all the stubs.

00200380	**Some Characters Could not Be Converted**
Explanation	When receiving a message, the Broker's `CONVERSION` exit determined that at least one character in the incoming message had no equivalent in the receiver's character set. The possibilities for this incomplete conversion:

■ The sender's message contained a data value with no corresponding character in the sender's character set.

■ All the sender's characters are valid, but at least one of them has no corresponding character in the receiver's character set.

If this condition occurs, the application should consider the received data to be potentially incomplete or missing.

Action	Ensure that both sender and receiver are using the correct locale string and that all character values being sent have a corresponding character in the receiver's character set.

00200393	**API: (*) in TOPIC invalid for FUNCTION**
Explanation	Wildcard `ANY` is currently not supported as valid topic name.
Action	Use specific topic name.

00200400	**Invalid SSL parameter specified**
Explanation	The Broker ACI call `FCT_SETSSLPARMS` failed due to invalid specifications.
Action	Check the 2nd parameter of this broker call and the length specified in the Broker ACI control block.

00200401	**Invalid value specified for EL**
Explanation	Only values of 0, 1 or 2 are valid encryption levels.
Action	Correct the setting in the Broker ACI control block.

Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00200419	**Mismatch of EL and current encryption**
Explanation	An inconsistency has been detected. The actual security setting to encrypt the payload buffer does not match the specification of the `EL` parameter in the current broker call.
Action	Verify the `EL` parameter in the Broker ACI control block and/or verify the correct installation of the security exit.

Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00200420	**Mismatch of client encryption and ATTR**
Explanation	The encryption settings of the EntireX client program do not match the settings in the Broker attribute file.
Action	Check the `ENCRYPTION-LEVEL` specification in the Broker attribute file and adapt the settings to your client program (with respect to the security setting and/or the `EL` parameter).

Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00200421	**Mismatch of server encryption and ATTR**
Explanation	For servers with API version below 6, a mismatch was found between the current security settings and the `ENCRYPTION-LEVEL` specification in the Broker attribute file.
Action	Change the security settings:

■ Activate / deactivate the security exit on the server side, or

■ Amend the `ENCRYPTION-LEVEL` specification for this service in the Broker attribute file.

Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00200422	**Server EL and ATTR not identical**
Explanation	For servers with API version 6 or above, the setting of `EL` and the specification for `ENCRYPTION-LEVEL` in the Broker attribute file is not identical.
Action	Either

- Correct the `EL` parameter (and security setting) in the server program, or
- Change the `ENCRYPTION-LEVEL` for this service in the Broker attribute file.

Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00200424	**SETSSLPARMS only valid for transport=SSL**
Explanation	ACI function `FCT_SETSSLPARMS` was set for a non-SSL Broker connection.
Action	Either change the `BROKER-ID` to use SSL or do not issue the ACI function `FCT_SETSSLPARMS`.

00200449	**API: Invalid Compress option**
Explanation	Compression is supported, but invalid option was specified.
Action	Correct the compress option.

00200450	**Error during data compression**
Explanation	Compression of the data was attempted, but resulting size was equal to or greater than original data.
Action	The compress option is turned `OFF` for this transmission of data; data will not be compressed.

00200451	**Error during data decompression**
Explanation	During a decompress operation, failure occurred; it is most likely the result of insufficient memory for the process.
Action	Increase available memory for process, if possible.

00200452	**Unexpected error during comp/decomp**
Explanation	Error resulted from a compress or decompress operation, and is not accounted for by errors 0450 or 0451.
Action	Save trace information. Contact Software AG support.

00200453	**Decompressed data corrupt**
Explanation	When decompressing a compressed data stream, the integrity of the data was compromised.
Action	Save trace and data. Contact Software AG support.

00200454	**API: Compression is not available**
Explanation	Compression was requested but is not available
Action	Retry the operation without compression.

00200472	**API: No PSTORE but durable subscriber**
Explanation	A durable `SUBSCRIBE` request requires an available `PSTORE`, but the `PSTORE` is not available.
Action	Option `DURABLE` is currently not permitted. Please consult your Broker Administrator.

00200478	**EOC Error: Still Unread Unit of Work**
Explanation	Participant issues the function EOC, but unprocessed UOWs exist for the conversation. The EOC request is rejected.
Action	Read the unprocessed UOWs first and issue function EOC afterwards.

00200482	**API: CONV-ID NONE not supported**
Explanation	Value `NONE` is not supported for the requested EntireX Broker function.
Action	Correct application.

00200485	**API: User [UN]SUBSCRIBE not allowed**
Explanation	`ALLOW-USER-SUBSCRIBE=NO` was specified and therefore subscribe/unsubscribe must be performed by an administrator.
Action	No action is required.

00200494	**Publish and Subscribe not enabled**
Explanation	The publish and subscribe subsystem is not enabled due to missing definitions or license issues. Requested EntireX Broker function is rejected.
Action	Contact your Broker Administrator.

00200505	**Illegal operation due to wrong UOW type**
Explanation	The specified `UOWID` does not contain a unit of work
Action	Please correct the `UOWID`.

00200532	**API: Error code missing in REPLY-ERROR**
Explanation	Stub application did not provide a numeric value in the `ERROR-CODE` field in Broker control block while making a `REPLY_ERROR` function call.
Action	Send a valid numeric value in the `ERROR-CODE` field of the Broker control block.

00200533	**API: Invalid error code in REPLY-ERROR**
Explanation	Stub application provided an invalid error code in the Broker control block, while making `REPLY_ERROR` function call. User-defined error codes should not begin with number 8, and should contain only numeric values.
Action	Make sure that error code in the Broker control block does not start with '8' and contains only numerals.

00200538	**API: Specify locale to do CONVERSION**
Explanation	Receiving application did not provide its codepage information in `LOCALE-STRING` field of the Broker control block.
Action	Supply codepage information in the `LOCALE-STRING` field of the Broker control block. If you want the Broker to supply default codepage information, specify `MAP=YES` in `CONVERSION` attribute. See `CONVERSION` under *Broker Attributes*.

00200539	**API: Sender did not specify locale info**
Explanation	Sender application did not provide codepage information in `LOCALE-STRING` field of the Broker control block.
Action	Supply codepage information in the `LOCALE-STRING` field of the Broker control block. If you want the Broker to supply default codepage information, specify `MAP=YES` in `CONVERSION` attribute. See `CONVERSION` under *Broker Attributes*.

00200540	**API: :1: value truncated**
Explanation	The value for `RETURN-LENGTH` was truncated. This occurs if the value is greater than 99,999,999 and ACI version 8 or below is used.
Action	Upgrade to ACI version 9 or above.

00200563	**DEREGISTER not completed due to UOWs**
Explanation	There are still open units of work that have not been committed, cancelled, or backed out yet. The ACI function `DEREGISTER` was not completed successfully.
Action	Finish the open units of work first before calling `DEREGISTER`.

00200566	**API: Invalid value for COMPRESSION TYPE**
Explanation	The supplied value is invalid. Broker supports compression types GZIP and ZLIB.
Action	Correct the program to supply a valid value.

00200573	**API: Invalid EXTENSION-SEND-LENGTH**
Explanation	An invalid extension send length was specified.
Action	Enter a vaild extension send length value.

00200574	**API: Invalid EXTENSION-RECEIVE-LENGTH**
Explanation	An invalid extension receive length was specified.
Action	Enter a vaild extension receive length value.

00200613	**API: Filter already active**
Explanation	Command and Information Services were unable to add a command log filter as the specified filter was already active.
Action	Specify a filter that is not already active.

00200614	**API: Filter not found**
Explanation	Command and Information Services were unable to delete a command log filter as the specified filter did not exist.
Action	Specify a filter that does exist.

00200639	**API: Protected UOWID has been specified**
Explanation	An application has specified a protected unit of work ID in an API request. Protected unit of work IDs are 0000000000000000 and 0000000000000001.
Action	Specify a non-protected unit of work ID.

00200781	**<sc/sn/sv> already registered with CONVERSION=SAGTRPC**
Explanation	A mixture of ACI and RPC communication using the same broker service (`CLASS`, `SERVER` and `SERVICE`) was detected.
Action	Use either *RPC-based Components* or *ACI-based Programming*.

00200782	**<sc/sn/sv> already registered with CONVERSION=SAGTCHA.**
Explanation	A mixture of ACI and RPC communication using the same broker service (`CLASS`, `SERVER` and `SERVICE`) was detected.
Action	Use either *RPC-based Components* or *ACI-based Programming*.

00200786	**CONVERSION=SAGTRPC ignored. CONVERSION=SAGTCHA used.**
Explanation	An incorrect character conversion configuration for a broker service (`CLASS`, `SERVER` and `SERVICE`) was detected and corrected. The broker service is logged in the preceding message.
Action	Correct the Broker attribute file. See *Broker's Mechanism for Choosing the Character Conversion Approach* under *Introduction to Internationalization*.

00200787	**CONVERSION=SAGTCHA ignored. CONVERSION=SAGTRPC used.**
Explanation	An incorrect character conversion configuration for a broker service (`CLASS`, `SERVER` and `SERVICE`) was detected and corrected. The broker service is logged in the preceding message.
Action	Correct the Broker attribute file. See *Broker's Mechanism for Choosing the Character Conversion Approach* under *Introduction to Internationalization*.

00200788	**CONVERSION=NO,TRANSLATION=NO ignored. CONVERSION=SAGTRPC used.**
Explanation	An incorrect character conversion configuration for a broker service (`CLASS`, `SERVER` and `SERVICE`) was detected and corrected. The broker service is logged in the preceding message.
Action	Correct the Broker attribute file. See *Broker's Mechanism for Choosing the Character Conversion Approach* under *Introduction to Internationalization*.

00200789	**TRANSLATION=SAGTCHA ignored. CONVERSION=SAGTRPC used.**
Explanation	An incorrect character conversion configuration for a broker service (`CLASS`, `SERVER` and `SERVICE`) was detected and corrected. The broker service is logged in the preceding message.
Action	Correct the Broker attribute file. See *Broker's Mechanism for Choosing the Character Conversion Approach* under *Introduction to Internationalization*.

00200790	**TRANSLATION=SAGTCHA ignored. CONVERSION=SAGTCHA used.**
Explanation	An incorrect character conversion configuration for a broker service (`CLASS`, `SERVER` and `SERVICE`) was detected and corrected. The broker service is logged in the preceding message.
Action	Correct the Broker attribute file. See *Broker's Mechanism for Choosing the Character Conversion Approach* under *Introduction to Internationalization*.

00200801	**Unsecure shutdown broker not allowed**
Explanation	The user is not authorized to shut down EntireX Broker.
Action	A security violation has occurred. This message and the related user ID are written to the Broker log.

00200816	**API: Invalid Data Collector Call**
Explanation	The stub was unable to issue the send request to the data collector.
Action	Rerun the application with stub log and check the messages when this error is raised. If the cause cannot be determined, contact Software AG support.

00200901	**User did not request SINGLE-CONV-MODE**
Explanation	A mismatch was detected between settings of service and user regarding the mode chosen to send or receive ARF data. The single conversation mode (one conversation per service) has to be requested by the user before sending or receiving ARF data. It is not possible to change the mode if there are still conversations active that have been created with the old mode.
Action	ARF can be configured to use or not to use the ETBSCONV feature (single conversation mode). We strongly recommend using this feature, but it requires a service without any conversations created with the old mode. If the ETBSCONV feature was specified and conversations still exist, these conversations have to be consumed before you change to single conversation mode.

00200906	**Value starts with an invalid character**
Explanation	A blank has been deteced as the first character of `SERVER-CLASS`, `SERVER-NAME` or `SERVICE`.
Action	Correct the value and retry.

00200908	**ARF** SOURCE/TARGET **Same** USER-ID **and** TOKEN
Explanation	This indicates a configuration problem with ARF. Adabas Event Replication provides parameters DETBUSERID and DETBTOKEN to define USER-ID/TOKEN of the source side and parameters IQETBUSERID and IQETBTOKEN to define USER-ID/TOKEN of the target side. The source side of the Adabas Event Replication is using the same USER-ID/TOKEN pair as the target side, but source and target side must use different and unique USER-ID/TOKEN pairs.
Action	Define different USER-ID/TOKEN pairs for the source and the target side of the Adabas Event Replication.

00200911	**ARF** SEND **Mismatching** USER-ID **and** TOKEN
Explanation	This indicates a configuration problem with ARF. Adabas Event Replication provides parameters DETBUSERID and DETBTOKEN to define USER-ID/TOKEN of the source side. This source side of the Replication is using a new USER-ID/TOKEN pair now but this is not allowed as long as an active conversation exists.
Action	Please revert the configuration to the previously defined values of USER-ID/TOKEN.

00200912	**ARF** RECV **Mismatching** USER-ID **and** TOKEN
Explanation	This indicates a configuration problem with ARF. Adabas Event Replication provides parameters IQETBUSERID and IQETBTOKEN to define USER-ID/TOKEN of the target side. This target side of the Replication is using a new USER-ID/TOKEN pair now but this is not allowed as long as an active conversation exists.
Action	Revert the configuration to the previously defined values of USER-ID/TOKEN.

00200924	**STUB: TCB mode required**
Explanation	The stub is running in SRB mode but needs to execute functionality that requires TCB mode.
Action	Contact Software AG support.

00200941	**STUB: TCP/IP not permitted**
Explanation	The stub does not support the requested TCP/IP transport.
Action	Change transport type to NET.

00209400	**FUNCTION NOT SUPPORTED**
Explanation	An unsupported function (UNDO or DELETE) has been issued.
Action	Check the program and correct the error.

00209401	CONV-ID VALUE NOT SUPPORTED
Explanation	An unsupported value has been specified for the `CONV-ID` field.
Action	This is a user error. Check the program and correct the error.

00209402	WAIT VALUE NOT SUPPORTED
Explanation	An unsupported value has been specified for the `WAIT` operand.
Action	This is a user error. Check the program and correct the error.

00209403	OPTION NOT SUPPORTED
Explanation	An unsupported value has been specified for the `OPTION` field.
Action	This is a user error. Check the program and correct the error.

00209404	xxxxxxx - ADAPTER ERROR
Explanation	An error has occurred in the EntireX Broker Services protocol adapter. Depending on the protocol in use, it may be an SNA sense code or an MQM reason code.
Action	Obtain the error code from the first 8 bytes of the error message (xxxxxxxx) or the `ADAPTER-ERROR` field. Then refer to the appropriate SNA or MQM documentation to determine the actual error.

00209405	INVALID BROKER API REQUEST
Explanation	An unsupported value has been specified for `CLASS` or `SERVICE`, e.g., `APPC` is not specified for `CLASS`.
Action	This is a user error. Check the program and correct the error.
Action	No action is required.

00209406	CONV-ID REQUIRED FOR DEREGISTER
Explanation	No `CONV-ID`, or an incorrect `CONV-ID`, was specified for the `DEREGISTER` function.
Action	This is a user error. Check the program and correct the error.

00209407	INVALID REMOTE ATTACH FUNCTION
Explanation	`OPTION=ATTACH` was specified for a function that is not a `REGISTER`, `DEREGISTER`, or `RECEIVE` function.
Action	Check the program and correct the error.

00209410	NO ATTACH REQUESTS AVAILABLE
Explanation	A Remote Attach Manager program has issued a non-blocked `RECEIVE` request with `WAIT=NO`, but there are no pending attach requests.
Action	This is an informational message.

00209413	CONV-ID REQUIRED FOR RECEIVE
Explanation	An ACI `RECEIVE` request has been issued without a valid `CONV-ID` value. All ACI `RECEIVE` requests must specify a `CONV-ID` value.
Action	Check the program and correct the error.

00209416	MODELQ REQUIRES SPECIFIC CONV-ID=
Explanation	An ACI `RECEIVE` request has been issued by a client program that specified `CONVID=OLD` or `ANY` while an `MQI MODEL` queue was in use.
Action	Change the program to use a specific, existing `CONVID`, or remove the `REPLYTOQ` specification from the directory entry.

00209417	INVALID MSGTYPE=, WAIT= COMBINATION
Explanation	A `SEND` request has been issued with an invalid combination of `MSGTYPE=`, `WAIT=` and `CONFIRMATION` operands. For example, specifying `WAIT=YES` when sending a `DATAGRAM` or a `REPLY` type message is invalid.
Action	Correct the program logic.

00209418	SERVER CANNOT ISSUE SEND CONVID=NONE
Explanation	A server program attempted to issue a `SEND` request with `CONVID=NONE`, which is not allowed. Server programs must use a specific `CONVID` when issuing a `SEND`.
Action	Correct the program logic.

00209419	INVALID MESSAGE TYPE FOR SERVER SEND
Explanation	A server program attempted to issue a `SEND` request with `MSGTYPE=DATAGRAM` or `REQUEST`, which is not allowed. Server programs are allowed to issue `SEND` `MSGTYPE=REPLY` only.
Action	Correct the program logic.

00209420	**INVALID MESSAGE TYPE FOR CLIENT SEND**
Explanation	A client program attempted to issue a `SEND` request with `MSGTYPE=REPLY`, which is not allowed. Client programs are allowed to issue `SEND MSGTYPE=REQUEST` or `DATAGRAM` only.
Action	Correct the program logic.

00209421	**OPT=SYNC INVALID WITH SEND WAIT=**
Explanation	A request was issued with `OPTION=SYNC` and `WAIT=YES`. It is not possible to issue a "blocking" request (`WAIT=YES`) within a unit of work.
Action	Correct the program logic.

00209422	**SYNCPOINT REQUIRES OPTION=COMMIT/BACKOUT**
Explanation	A `SYNCPOINT` request was issued without a valid `OPTION=` specification. Either `OPTION=COMMIT` or `OPTION=BACKOUT` must be specified with the `SYNCPOINT` function.
Action	Correct the program logic.

00209423	**MSGID REQUIRED WITH CONVID=ANY/NEW/NONE**
Explanation	A client program must use a specific `MSGID` when issuing a `RECEIVE` request with `CONVID=ANY`, `NEW`, or `NONE`.
Action	Correct the program logic.

00209424	**UNIT FIELD OF WORK NOT SUPPORTED**
Explanation	An ACI request was received that has specified a value for one of the unit of work fields.
Action	Programmer: Ensure no unit of work fields have been specified in the ACI request. If API Version=3 has been specified in the Broker control block (`ETBCDEF.H`), ensure that the unit of work fields have all been cleared.

00209450	**INTERNAL ERROR - GETMAIN FAILED**
Explanation	An internal buffer shortage has occurred that prevents the function from executing.
Action	Review the JES `JOBLOG` and external trace for error messages that might give additional information on the problem.

00209451	**RECEIVE FAILED - tpname NOT REGISTERED**
Explanation	A Remote Attach Manager has issued a `RECEIVE` request for a TP that is not currently `REGISTERED` to its `SERVICE-ID`.
Action	Modify the Remote Attach Manager program to `REGISTER` this *tpname*.

00209452	**REGISTER REJECTED - function ACTIVE**
Explanation	A Remote Attach Manager has issued a `REGISTER` request for a `TPNAME` that already issued a `REGISTER`.
Action	A `TPNAME` must be unique and can be registered under one and only one `SERVICE-ID`.

00209453	**UNKNOWN FUNCTION REQUESTED function**
Explanation	A request was received using the `ATTACH-MANAGER` DDM, but the request was not a `REGISTER`, `RECEIVE`, or `DEREGISTER`.
Action	Correct the Remote Attach Manager program and retry. The external trace may contain additional information for debugging.

00209454	**ENTIREX BROKER SERVICES TERMINATED BY OPERATOR**
Explanation	EntireX Broker Services have been shut down by the computer operator.
Action	No action required; normal processing continues.

00209455	**function REJECTED, MISSING value**
Explanation	A Remote Attach Manager has issued a verb that is invalid.
Action	The message text will contain the function and missing value. Correct the request and retry.

00209456	**tpname NOT DEFINED VIA CONTROL OPERATOR**
Explanation	A `REGISTER` request from a Remote Attach Manager is being rejected because of conflicts with Control Operator Interface definitions (`RESTRICT-PARTNERS=PROFILE` has been specified).
Action	Add the `TPNAME` in the message to the appropriate local LU definitions and retry the Remote Attach Manager program.

00209457   **servername STOPPED BY OPERATOR COMMAND**

Explanation   An Attach Manager `RECEIVE` was issued, but the specified servername has been stopped by an operator command. The message contains the actual server name.

Action   The Remote Attach Manager Dispatcher program may be restarted after using the `RESUME,D6` *servername* operator command to reactivate the *servername*.

13 Message Class 0021 - EntireX ACI - Configuration Error in the Attribute File

This message class is given in case of invalid or missing information in the Broker attribute file. This is mostly a configuration error. The situation can be examined using the error number returned and after correction, the applications can be restarted. The messages have the format:

0021*nnnn*

where 0021 is the message class, and

nnnn is the message number in the range 0000 - 9999

00210013	**Value For Keyword Too Long**
Explanation	The specified value for a correct keyword in a configuration file (for instance the Broker attribute file) has too many characters. This response arises in the following situations:
	1. During broker startup when the global resources defined in the section `DEFAULTS=BROKER` are read, a wrong value length is detected within this section. The Broker cannot be started.
	2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong value length is detected within this service definition. The service cannot be registered.
Action	Correct the value assigned to the keyword in the configuration file.

00210014   **Class def missing or invalid**

Explanation   The definition of a server class is either missing or invalid.

Action   Either specify a class definition or use the correct values to specify one.

00210015   **Max Possible NUM-CLIENT Reached**

Explanation   This is a temporary resource shortage. The maximum number of EntireX Broker clients that can be active at one time is reached. A new client cannot be handled until client resources are available again by user timeouts.

Action   Increase `NUM-CLIENT` (or if `CLIENT-NONACT` has too high a value, decrease it) in the Broker attribute file.

00210016   **Signed number as value not supported**

Explanation   Value in attribute file with leading '-' or '+' character. This syntax is not supported.

Action   Enter a correct value.

00210017   **Value is not an integral number**

Explanation   Wrong numeric value in attribute file detected. Value contains comma or decimal point.

Action   Enter a correct value.

00210018   **Max Possible NUM-SERVER Reached**

Explanation   This is a temporary resource shortage. The maximum number of EntireX Broker servers that can be active at one time is reached. New servers are not accepted until server resources are available again, either by deregistrations or user timeouts.

Action   Try to register the server to EntireX Broker later. If the error occurs frequently, increase `NUM-SERVER` (or if `SERVER-NONACT` has too high a value for some services, decrease it) in the Broker attribute file.

00210019   **TRANSLATION Not Specified**

00210023   **Unknown attribute:**

Explanation   Unknown keyword in attribute file detected.

Action   Enter a correct keyword.

00210024   **CONV-LIMIT may not be UNLIM**

Explanation   The service-specific `CONV-LIMIT` value is specified with `UNLIM`. In this special configuration, this is not allowed because the global `NUM-CONVERSATION` attribute is set to `AUTO`. See also *Broker Resource Allocation*.

Action   Either change the global `NUM-CONVERSATION` parameter to a defined value, or change the specific `CONV-LIMIT` value to a particular value.

00210025   **CONV-DEFAULT not spec or UNLIM**

Explanation   The global `CONV_DEFAULT` attribute is either specified as `UNLIMIT` or not specified at all. The error occurs in situations where EntireX Broker cannot calculate the number of conversations needed. This situation occurs if

- `NUM-CONVERSATION=AUTO` and `CONV-DEFAULT=UNLIM` and there is at least one service that does not assign `CONV-LIMIT`, or

- `NUM-CONVERSATION=AUTO` and `CONV-DEFAULT` is undefined and there is at least one service that does not assign `CONV-LIMIT`.

Action   Correct the error in the attribute file. Define `NUM-CONVERSATION` with a particular value or define `CONV-DEFAULT` with a particular value or use the `CONV-LIMIT` attribute for every single service definition.

00210026   **Zero Value For Keyword Not Allowed**

Explanation   The specified value for a correct keyword a configuration file (for instance the Broker attribute file) must not be zero or null value. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, a value of zero or null is detected for a value within this section. The Broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a value of zero or null is detected within this service definition. The service cannot be registered.

Action   Correct the value assigned to the keyword in the configuration file.

00210027   **Value For Keyword Out Of Range**

Explanation   The specified value for a correct keyword in a configuration file (for instance the Broker attribute file) is out of range. This response arises in the following situations:

1. During broker startup when the global resources defined in the section `DEFAULTS=BROKER` are read, the wrong value is detected for a value within this section. The Broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong value is detected within this service definition. The service cannot be registered.

Action   Correct the value assigned to the keyword in the configuration file.

00210028   **Invalid Value For Keyword**

Explanation   The specified value for a correct keyword in a configuration file (for instance the Broker attribute file) is wrong. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, a wrong value is detected for a value within this section. The Broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong value is detected within this service definition. The service cannot be registered.

Action   Correct the value assigned to the keyword in the configuration file.

00210029   **SHORT-BUFF-LIMIT may not be UNLIM**

Explanation   The service-specific `SHORT-BUFF-LIMIT` value is specified with `UNLIM`. In this special configuration this is not allowed because the global `NUM-SHORT-BUFFER` attribute is set to `AUTO`. See also *Broker Resource Allocation*.

Action   Either change the global `NUM-SHORT-BUFFER` parameter to a defined value, or change the specific `SHORT-BUFF-LIMIT` value to a particular value.

00210030   **SHORT-BUFF-DEF not spec or UNLIM**

Explanation   The global `SHORT-BUFF-DEF` attribute is either specified as `UNLIMIT` or not specified at all. The error occurs in situation where EntireX Broker cannot calculate the number of short buffers needed. This situation occurs if:

■ `NUM-SHORT-BUFFER=AUTO` and `NUM-SHORT-DEF=UNLIM` and there is at least one service that does not assign `SHORT-BUFF-LIMIT`, or

■ `NUM-SHORT-BUFFER=AUTO` and `NUM-SHORT-DEF` is undefined and there is at least one service that does not assign `SHORT-BUFF-LIMIT`.

Action   Correct the error in the attribute file. Define `NUM-SHORT-BUFFER` with a particular value or define `NUM-SHORT-DEF` with a particular value or use the `SHORT-BUFF-LIMIT` attribute for every single service definition.

00210032 **LONG-BUFF-LIMIT may not be UNLIM**

Explanation The service-specific `LONG-BUFF-LIMIT` value is specified with `UNLIM`. In this special configuration, this is not allowed because the global `NUM-LONG-BUFFER` attribute is set to `AUTO`.

Action Either change the global `NUM-LONG-BUFFER` parameter to a defined value, or change the specific `SHORT-LONG-LIMIT` value to a particular value.

00210033 **LONG-BUFF-DEF not spec or UNLIM**

Explanation The global `LONG-BUFF-DEF` attribute is either specified as `UNLIM` or not specified at all. The error occurs in situation where EntireX Broker cannot calculate the number of long buffers needed. This situation occurs if:

■ `NUM-LONG-BUFFER=AUTO` and `NUM-LONG-DEF=UNLIM` and there is at least one service that does not assign `LONG-BUFF-LIMIT`, or

■ `NUM-LONG-BUFFER=AUTO` and `NUM-LONG-DEF` is undefined and there is at least one service that does not assign `LONG-BUFF-LIMIT`

Action Correct the error in the attribute file. Define `NUM-LONG-BUFFER` with a particular value or define `NUM-LONG-DEF` with a particular value or use the `LONG-BUFF-LIMIT` attribute for every single service definition.

00210034 **SERVICE Section missing**

Explanation The `DEFAULTS=SERVICE` section in the attribute file could not be found.

Action Correct the attribute file and provide a valid `DEFAULTS=SERVICE` section. See *Service-specific Attributes*.

00210035 **Duplicate Value Found**

Explanation A duplicate keyword has been detected in a configuration file (for example the broker attribute file). This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, duplicate keywords are detected within this section. The broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, duplicate keywords are detected within this service definition. The `REGISTER` request is refused.

Action Eliminate the duplicate keyword in the broker attribute file.

00210036   **Unknown service attribute**

Explanation   An unknown attribute definition was found. Please refer to the entry in a configuration file (for instance the Broker attribute file) in order to find the line and the column where this error occurred.

Action   Correct the broker attribute file and provide valid attribute definitions. See *Service-specific Attributes*.

00210037   **Value must be YES or NO**

Explanation   The valid values for this attribute are YES or NO only. Please refer to the entry in the log file to find the line and the column where the error happened.

Action   Correct the attribute file and select either YES or NO for the attribute where the error happened

00210038   **Error During Open Of File**

Explanation   A configuration file (for instance the Broker attribute file) cannot be accessed. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, the Broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, this service cannot be used.

Action   Contact administrator or check for the following causes:

1. No configuration file is allocated to the Broker.

2. The specified configuration file does not exist.

3. EntireX Broker has no access to the configuration file, for example for security reasons, or the configuration file is enqueued by another process.

4. The configuration file has an invalid format for the platform used. Refer to the appropriate Installation documentation.

00210040   **Error During Close Of File**

Explanation   A configuration file (for instance the Broker attribute file) cannot be accessed. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, the Broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, this service cannot be used.

Action   Check all causes listed under error 0038, and then the following:
Ensure that no other process has changed the file characteristics of the configuration file.

00210043   **Service Definition Not Found**

Explanation   EntireX Broker did not find the service definition within the attribute file when a service attempted to register.

Action   Check the service specified in the `CLASS`, `SERVER` and `SERVICE` fields in the API, or make sure the service definition in the Broker attribute file is valid.

00210045   **Value for %s must be numeric**

Explanation   The specified value for this keyword in the Broker attribute file is wrong, that is, not numeric. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, a wrong value is detected for a value within this section. The Broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong value is detected within this service definition. The service cannot be registered.

Action   Correct the value assigned to the keyword in the Broker attribute file.

00210059   **Maximum of 16 rules exceeded**

Explanation   More than 16 occurrences of this attribute were detected.

Action   Reduce number of occurrences to 16.

00210080   **Invalid port number**

Explanation   The specified port is not a numeric or outside of range 1-65535.

Action   Enter a valid port number.

00210096   **Max Possible NUM-SERVICE Reached**

Explanation   The maximum number of EntireX Broker services that can be active at one time is reached. A subsequent service register request is not accepted.

Action   Try again later. If this error occurs frequently, increase the `NUM-SERVICE` attribute in the section `DEFAULTS=BROKER` in the Broker attribute file.

00210097	**Max possible NUM-TOPIC reached**
Explanation	The maximum number of EntireX Broker topics that can be active at one time is reached.
Action	Try again later. If this error occurs frequently, increase the `NUM-TOPIC` attribute in the section `DEFAULTS=BROKER` in the Broker attribute file.

00210112	**No SUBSCRIBER-STORE assigned**
Explanation	A topic is defined as `ALLOW-DURABLE=YES` but there is no subscriber store defined to save the subscriber data on any store.
Action	Either change the topic attributes to `ALLOW-DURABLE=NO`, which makes it impossible to make a durable subscription, or set the value of global attribute `SUBSCRIBER-STORE` to `PSTORE`. A valid `SUBSCRIBER-STORE` requires additional attributes for the persistent store type etc. **Note:** The secondary persistent store (`SSTORE`) feature is no longer available. Also, the communication model publish and subscribe is no longer supported.

00210269	**PSTORE required**
Explanation	An EntireX Broker call involving `PSTORE` is requested but EntireX Broker runs with setting `PSTORE=NO`. Any `PSTORE` operation is prohibited.
Action	Contact your Broker Administrator.

00210368	**No host:port value specified**
Explanation	The value for the `COLLECTOR-BROKER-ID` value was not correctly specified.
Action	Enter correct value host:port for `COLLECTOR-BROKER-ID`. See `COLLECTOR-BROKER-ID` under *Broker Attributes*.

00210385	**Topic definition not found**
Explanation	EntireX Broker did not find the topic definition within the attribute file when a topic attempted to subscribe.
Action	Check the topic specified in the `TOPIC` field in the API, or make sure the topic definition in the Broker attribute file is valid.

00210402	**SECURITY/ENCRYPTION-LEVEL mismatch**
Explanation	A mismatch in the Broker attribute file has been detected: If an `ENCRYPTION-LEVEL` is specified, then `SECURITY` must be set to `YES`.
Action	Verify that the security exit is present and set `SECURITY=YES` to enable `ENCRYPTION-LEVEL` processing. **Note:**

1. The Broker attribute setting `SECURITY=NO` cannot be used with any encryption level not equal to 0 (= zero); otherwise the 00210402 error condition will occur when application issues registration command.

2. For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00210414	**SUBSCRIBER-STORE needs PSTORE**
Explanation	`SUBSCRIBER-STORE=PSTORE` is defined in Broker attribute file, but `PSTORE` is set to `NO` in order to disable the persistent store for this Broker run.
Action	Set `PSTORE=COLD` or `PSTORE=HOT` to run Broker with enabled `PSTORE`.

00210415	**NUM-SUBSCRIBER-TOTAL too small**
Explanation	`NUM-SUBSCRIBER-TOTAL` must be greater than or equal to `NUM-SUBSCRIBER`. This parameter is required if `SUBSCRIBER-STORE=PSTORE` is defined.
Action	Set `NUM-SUBSCRIBER-TOTAL` to `AUTO` or use a value greater than or equal to `NUM-SUBSCRIBER`.

00210416	**NUM-TOPIC-TOTAL too small**
Explanation	`NUM-TOPIC-TOTAL` must be greater than or equal to `NUM-TOPIC`. This parameter is required if `SUBSCRIBER-STORE=PSTORE` is defined.
Action	Set `NUM-TOPIC-TOTAL` to `AUTO` or use a value greater than or equal to `NUM-TOPIC`.

00210423	**AUTO/Catch-All Service mismatch**
Explanation	A mismatch in the broker attribute file has been detected: if the catch-all service has been defined (`CLASS= *, SERVER= *, SERVICE = *`) then the value of `AUTO` is not allowed for the `NUM-CONVERSATION`, `NUM-LONG-BUFFER` or `NUM-SHORT-BUFFER` attributes.
Action	If the catch-all service is defined, make sure the attributes `NUM-CONVERSATION`, `NUM-LONG-BUFFER` and `NUM-SHORT-BUFFER` all have specified values.

00210431	**Error during read of file**
Explanation	A configuration file (for instance the Broker attribute file) cannot be read.
Action	Make sure that the configuration file is readable and not corrupt.

00210446   **ATTR: SERVER-LIMIT may not be UNLIM**

Explanation   The service-specific `SERVER-LIMIT` value is specified with `UNLIM`. In this special configuration, this is not allowed because the global `NUM-SERVER` attribute is set to `AUTO`. See also *Broker Resource Allocation*.

Action   Either change the global `NUM-SERVER` parameter to a defined value, or change the specific `SERVER-LIMIT` value to a particular value.

00210447   **ATTR: SERVER-DEFAULT not spec or UNLIM**

Explanation   The global `SERVER-DEFAULT` attribute is either specified as `UNLIM` or not specified at all. The error occurs in situations where EntireX Broker cannot calculate the number of servers needed. This situation occurs if

- `NUM-SERVER=AUTO` and `SERVER-DEFAULT=UNLIM` and there is at least one service that does not assign `SERVER-LIMIT`, or

- `NUM-SERVER=AUTO` and `SERVER-DEFAULT` is undefined and there is at least one service that does not assign `SERVER-LIMIT`.

Action   Correct the error in the attribute file. Define `NUM-SERVER` with a particular value or define `SERVER-DEFAULT` with a particular value or use the `SERVER-LIMIT` attribute for every single service definition.

00210459   **PUBLICATION-DEFAULT not spec/UNLIM**

Explanation   The global `PUBLICATION-DEFAULT` attribute is either specified as `UNLIM` or not specified at all. The error occurs in situations where EntireX Broker cannot calculate the number of publications needed. This situation occurs if

- `NUM-PUBLICATION=AUTO` and `PUBLICATION-DEFAULT=UNLIM` and there is at least one topic that does not assign `PUBLICATION-LIMIT`, or

- `NUM-PUBLICATION=AUTO` and `PUBLICATION-DEFAULT` is undefined and there is at least one topic that does not assign `PUBLICATION-LIMIT`.

Action   Correct the error in the attribute file. Define `NUM-PUBLICATION` with a particular value or define `PUBLICATION-DEFAULT` with a particular value or use the `PUBLICATION-LIMIT` attribute for every single topic definition.

00210460   **PUBLICATION-LIMIT may not be UNLIM**

Explanation   The topic-specific `PUBLICATION-LIMIT` value is specified with `UNLIM`. In this special configuration, this is not allowed because the global `NUM-PUBLICATION` attribute is set to `AUTO`. See also *Broker Resource Allocation*.

Action   Either change the global `NUM-PUBLICATION` parameter to a defined value, or change the specific `PUBLICATION-LIMIT` value to a particular value.

00210461	**SUBSCRIBER-DEFAULT not spec/UNLIM**
Explanation	The global `SUBSCRIBER-DEFAULT` attribute is either specified as `UNLIM` or not specified at all. The error occurs in situations where EntireX Broker cannot calculate the number of subscribers needed. This situation occurs if

- `NUM-SUBSCRIBER=AUTO` and `SUBSCRIBER-DEFAULT=UNLIM` and there is at least one topic that does not assign `SUBSCRIBER-LIMIT`, or

- `NUM-SUBSCRIBER=AUTO` and `SUBSCRIBER-DEFAULT` is undefined and there is at least one topic that does not assign `SUBSCRIBER-LIMIT`.

Action	Correct the error in the attribute file. Define `NUM-SUBSCRIBER` with a particular value or define `SUBSCRIBER-DEFAULT` with a particular value or use the `SUBSCRIBER-LIMIT` attribute for every single topic definition.

00210462	**SUBSCRIBER-LIMIT may not be UNLIM**
Explanation	The topic-specific `SUBSCRIBER-LIMIT` value is specified with `UNLIM`. In this special configuration, this is not allowed because the global `NUM-SUBSCRIBER` attribute is set to `AUTO`. See also *Broker Resource Allocation*.
Action	Either change the global `NUM-SUBSCRIBER` parameter to a defined value, or change the specific `SUBSCRIBER-LIMIT` value to a particular value.

00210463	**TOPIC Section missing**
Explanation	The `DEFAULTS=TOPIC` section in the attribute file could not be found.
Action	Correct the attribute file and provide a valid `DEFAULTS=TOPIC` section.

00210470	**AUTO/Catch-All Topic mismatch**
Explanation	A mismatch in the broker attribute file has been detected: if a catch-all topic has been defined (example: `TOPIC= *`), then the value of `AUTO` is not allowed for the `NUM-PUBLICATION`, `NUM-LONG-BUFFER`, `NUM-SHORT-BUFFER`, or `NUM-SUBSCRIBER` attributes.
Action	If a catch-all topic is defined, make sure the attributes `NUM-PUBLICATION`, `NUM-LONG-BUFFER`, `NUM-SHORT-BUFFER`, and `NUM-SUBSCRIBER` all have specified values.

00210474	**Durable SUBSCRIBE not allowed**
Explanation	TOPIC attribute specifies `ALLOW-DURABLE=NO`, but application has requested to subscribe durably.
Action	Ensure broker attribute file is consistent with the intention of the application.

00210490   **Max possible NUM-PUBLISHER reached**

Explanation   This is a temporary resource shortage. The maximum number of EntireX Broker
                     publishers that can be active at one time is reached. A new publisher cannot be handled
                     until publisher resources are available again by user timeouts.

Action   Increase `NUM-PUBLISHER` (or if `PUBLISHER-NONACT` has too high a value, decrease
                     it) in the Broker attribute file.

00210491   **Max possible NUM-SUBSCRIBER reached**

Explanation   This is a temporary resource shortage. The maximum number of EntireX Broker
                     subscribers that can be active at one time is reached. A new subscriber cannot be
                     handled until subscriber resources are available again by user timeouts.

Action   Increase `NUM-SUBSCRIBER` (or if `SUBSCRIBER-NONACT` has too high a value, decrease
                     it) in the Broker attribute file.

00210501   **TCP-PORT numbers not unique**

Explanation   You cannot specify the same `PORT` number twice for the same `HOST`.

Action   Specify a different `PORT` number.

00210547   **Max num AUTHORIZATION-RULE reached**

Explanation   The maximum number of `AUTHORIZATION-RULE` entries in the attribute file has been
                     reached. The current maximum number is 16 authorization rules.

Action   Reduce the number of `AUTHORIZATION-RULE` entries.

00210548   **Max num HOST entries reached**

Explanation   You cannot specify more than five `HOST` entries per section.

Action   Reduce number of `HOST` entries.

00210549   **Max num PORT entries reached**

Explanation   You cannot specify more than five `PORT` entries per section.

Action   Reduce number of `PORT` entries.

00210559   **ATTR: TRANSPORT = NET and NUM-CCOM = 0**

Explanation   The minimum value `NUM-CCOM=1` is required if you want to run the Entire Net-Work
                     communicator on UNIX.

Action   Set `NUM-CCOM=1`, or higher.

00210564	**SSL-PORT numbers not unique**
Explanation	You cannot specify the same PORT number twice for the same HOST.
Action	Specify a different PORT number.

00210568	**Max num STACK-NAME entries reached**
Explanation	You cannot specify more than five STACK-NAME entries per section.
Action	Reduce number of STACK-NAME entries.

00210591	**DEFAULTS section missing**
Explanation	The broker attribute file is missing a DEFAULTS section. Additional error information will display the section name.
Action	Consult the additional error text and take appropriate action.

00210594	**ATTR: Variable not expanded**
Explanation	A variable in a configuration file (for instance the Broker attribute file) could not be expanded. Additional error information will display the variable name.
Action	Consult the additional error text and take appropriate action.

00210622	**Transport type not supported**
Explanation	Transport types SSL or TCP are supported for Broker attribute PARTNER-CLUSTER-ADDRESS.
Action	Adjust the PARTNER-CLUSTER-ADDRESS to use a supported transport type.

00210628	**Expect PSTORE=HOT in STANDBY mode**
Explanation	The Standby Broker instance must use PSTORE=HOT in order to perform a PSTORE takeover if necessary.
Action	Define PSTORE=HOT for your Standby Broker.

00210629	**Expect PSTORE=COLD in LOAD mode**
Explanation	The Load Broker (RUN-MODE=PSTORE-LOAD) must use PSTORE=COLD in order to create a new persistent store.
Action	Define PSTORE=COLD for your Load Broker.

00210630	**Expect PSTORE=HOT in UNLOAD mode**
Explanation	The Unload Broker must use `PSTORE=HOT` in order to migrate a persistent store.
Action	Define `PSTORE=HOT` for your Unload Broker.

00210652	**Invalid keyword in TRANSLATION parms**
Explanation	The attribute `TRANSLATION` contains an invalid parameter.
Action	Correct the attribute file. See `TRANSLATION` under *Broker Attributes*.

00210703	**Missing attribute TRUST-STORE**
Explanation	Attribute `TRUST-STORE` in the SSL section is missing.
Action	Define attribute `TRUST-STORE`. See `TRUST-STORE` under *Broker Attributes*.

00210704	**TRUST-STORE does not exist**
Explanation	The specified file for TRUST-STORE does not exist.
Action	Correct the file name.

00210705	**Missing attribute KEY-STORE**
Explanation	Attribute KEY-STORE in the SSL section is missing.
Action	Define attribute `KEY-STORE`. See `KEY-STORE` under *Broker Attributes*.

00210706	**KEY-STORE does not exist**
Explanation	The specified file for `KEY-STORE` does not exist.
Action	Correct the file name.

00210707	**Missing attribute KEY-FILE**
Explanation	Attribute `KEY-FILE` in the SSL section is missing.
Action	Define attribute `KEY-FILE`. See `KEY-FILE` under *Broker Attributes*.

00210708	**KEY-FILE does not exist**
Explanation	The specified file for `KEY-FILE` does not exist.
Action	Correct the file name.

00210709	**KEY-FILE specified but no KEY-PASSWD**
Explanation	No KEY-PASSWD has been specified.
Action	Define attribute KEY-PASSWD with the password used for the KEY-FILE. See KEY-PASSWD under *Broker Attributes*.

00210710	**VERIFY-CLIENT=YES but no TRUST-STORE**
Explanation	VERIFY-CLIENT=YES was specified but TRUST-STORE was not defined in the SSL section of the attribute file.
Action	Define attribute TRUST-STORE. See TRUST-STORE under *Broker Attributes*.

00210713	**Dynamic Worker Management not runnung**
Explanation	An operator command was issued to turn on/off the Dynamic Worker Management, but it was not enabled in the attribute file.
Action	Specify attribute DYNAMIC-WORKER-MANAGEMENT=YES and restart Broker. See DYNAMIC-WORKER-MANAGEMENT under *Broker Attributes*.

00210714	**Dynamic Worker Mgmt already enabled**
Explanation	An Operator command was issued to turn on the Dynamic Worker Management but it was already enabled.
Action	None.

00210715	**Dynamic Worker Mgmt already disabled**
Explanation	An Operator command was issued to turn off the Dynamic Worker Management but it was already disabled.
Action	None.

00210722	**DIV: STORE not specified**
Explanation	Attribute STORE in section DEFAULTS=DIV was not specified.
Action	Enter attribute STORE. See STORE under *Broker Attributes*.

00210723	**DIV: DDNAME not specified**
Explanation	Attribute DDNAME in section DEFAULTS=DIV was not specified.
Action	Enter attribute DDNAME and add the corresponding DD statement to the JCL of Broker. See DDNAME under *DIV-specific Broker Attributes*.

00210727	**c-tree PATH does not exist**
Explanation	The directory specified as value of `PATH` does not exist.
Action	Enter a valid directory. See `PATH` under *Broker Attributes*.

00210740	**PSTORE requires higher PSTORE-VERSION**
Explanation	The value of `PSTORE-VERSION` does not match the version of PSTORE.
Action	Change the value of `PSTORE-VERSION` to the effective version or rerun Broker with `PSTORE=COLD`. See `PSTORE-VERSION` and `PSTORE-TYPE` under *Broker Attributes*.

00210741	**PSTORE requires lower PSTORE-VERSION**
Explanation	The value of `PSTORE-VERSION` does not match the version of `PSTORE`.
Action	Change the value of `PSTORE-VERSION` to the effective version or rerun Broker with `PSTORE=COLD`. See `PSTORE-VERSION` and `PSTORE-TYPE` under *Broker Attributes*.

00210760	**PARTNER-CLUSTER-ADDRESS mismatch**
Explanation	The `PARTNER-CLUSTER-ADDRESS` defined in the Standard Broker does not match any of the TCP or SSL transport entries defined in the Standby Broker.
Action	Either adjust `PARTNER-CLUSTER-ADDRESS` in Standard Broker or start Standby Broker with a matching transport entry.

00210761	**PARTNER-CLUSTER-ADDRESS missing**
Explanation	There is no `PARTNER-CLUSTER-ADDRESS` definition in the Standard Broker.
Action	Define `PARTNER-CLUSTER-ADDRESS` in the Standard Broker to allow running a Standby Broker.

00210762	**PSTORE-TYPE mismatch**
Explanation	The persistent store defined in Standard Broker and Standby Broker must be exactly the same.
Action	Adjust the attributes for `PSTORE-TYPE` and the `PSTORE` specific sections in each Broker attribute file so both Broker instances match.

00210763	**PSTORE-TYPE missing**
Explanation	There is no `PSTORE` defined in the partner Broker instance.
Action	Run the partner Broker with matching persistent store attributes.

00210764   **Same PSTORE for UNLOAD and LOAD**

Explanation   The persistent stores defined in Load Broker and Unload Broker must be different.

Action   Adjust the attributes for `PSTORE-TYPE` and the `PSTORE` specific sections for both Broker instances. Make sure the Load Broker is assigned to a new persistent store, and your Unload Broker is assigned to the persistent store you wish to unload.

00210796   **Adabas SVC number must be supplied**

Explanation   Attribute `SVC` was not specified in the `DEFAULTS=ADABAS` section. Adabas PSTORE cannot be reached.

Action   Specify `SVC=`*`svc_number`* used by the Adabas PSTORE database.

00210797   **ADABAS DBID and FNR must be supplied**

Explanation   Attributes `DBID` and `FNR` in section `DEFAULTS=ADABAS` are not supplied.

Action   Enter attributes `DBID` and `FNR`. See `DBID` and `FNR` under *Broker Attributes*.

00210798   **Invalid BLKSIZE (range 126-20000 bytes)**

Explanation   The value of attribute `BLKSIZE` in section `DEFAULTS=ADABAS` is invalid.

Action   Enter valid value (range 126-20000 bytes) for attribute `BLKSIZE`. See `BLKSIZE` under *Broker Attributes*.

00210827   **LDAP: Missing LDAP-AUTHORIZATION-URL**

Explanation   Security attributes `SECURITY-SYSTEM=LDAP` and `SECURITY-LEVEL=AUTHORIZATION` have been defined but no URL was specified to access the LDAP server.

Action   Enter attribute `LDAP-AUTHORIZATION-URL`. See `LDAP-AUTHORIZATION-URL` under *Broker Attributes*.

00210829   **PSTORE: Max MU 191 exceeded**

Explanation   For `PSTORE-TYPE=ADABAS` and `PSTORE-VERSION` 4 or below: Limit of 191 multiple fields was exceeded.

Action   Allocate the Adabas PSTORE file with the delivered JCL member.

00210832   **PSTORE: Cannot load ADABAS link module**

Explanation   The Adabas PSTORE handler was unable to load the Adabas link routine.

Action   Assign the Adabas load library.

00210834	**PSTORE: MAXSCAN value exceeded**
Explanation	The value for Adabas PSTORE attribute `MAXSCAN` exceeded.
Action	Increase attribute MAXSCAN.

00210835	**PSTORE: Mismatching ADABAS FDT**
Explanation	The Adabas PSTORE handler detected a mismatch between required and effective field descriptor table (FDT).
Action	Recreate the Adabas PSTORE file.

00210837	**ACI-CONVERSION requires ICU**
Explanation	Attribute `ACI-CONVERSION=YES` requires attribute `ICU-CONVERSION=YES`.
Action	Correct the Broker attribute file. See `ACI-CONVERSION` and `ICU-CONVERSION` under *Broker Attributes*.

00210838	**ACI-CONVERSION invalid CODEPAGE section**
Explanation	Attribute `ACI-CONVERSION=YES` requires a section `DEFAULTS=CODEPAGE`.
Action	Correct the Broker attribute file. See `ACI-CONVERSION` under *Broker Attributes* and `DEFAULTS=CODEPAGE`.

00210839	**ACI-CONVERSION failed, using translation**
Explanation	The conversion failed due to an error. The translation is used to convert the data.
Action	Check the subsequent error messages and correct the error.

00210840	**PSTORE-VERSION 4 or above required**
Explanation	The DIV PSTORE requires PSTORE-VERSION 4 or above.

Action	Allocate a DIV PSTORE with following attributes:
	
	`PSTORE=COLD`
	`PSTORE-TYPE=DIV`
	`PSTORE-VERSION=5`

00210843	**PSTORE: No records. Restart HOT failed**
Explanation	No records in Adabas PSTORE.
Action	Define `PSTORE=COLD` instead of `PSTORE=HOT` if this is the correct Adabas database and file.

00210845	**PSTORE: Wrong platform detected**
Explanation	The platform ID in the master record is wrong. This is probably a wrong database or the PSTORE of a different Broker.
Action	Check the `DEFAULTS=ADABAS` settings.

00210846	**PSTORE: Mismatching BROKER-ID in PSTORE**
Explanation	The `BROKER-ID` in the master record does not match the `BROKER-ID`. This is probably a wrong database or the PSTORE of a different Broker.
Action	Check the `DEFAULTS=ADABAS` settings.

00210847	**PSTORE: Invalid BLKSIZE**
Explanation	Attribute `BLKSIZE` does not match the Adabas file `BLKSIZE` of the cold start.
Action	Enter the correct `BLKSIZE` attribute value or rerun a cold start.

14 Message Class 0022 - EntireX ACI - Translation and Conversion Errors

This message class is given in case of errors in user exits, e.g. translation routines. The situation can be examined via the error number returned, and after correction, the applications can be restarted. The messages have the format:

0022*nnnn*

where 0022 is the message class, and

nnnn is the message number in the range 0000 - 9999

00220046	TRANS: User Error Returned By Routine
Explanation	The translation routine for the service (specified in the service section of the Broker attribute file) has returned an error to EntireX Broker.
Action	Check for the translation routine in use. This is a user error if customer specific translation routines are in use. Contact Software AG support if the translation routine delivered by Software AG is in use.

00220075	TRANS: Failed To Load Routine
Explanation	The user exit that performs translation services could not be loaded. The translation routine for the service is specified by the `TRANSLATION` parameter for the service in the attribute file. The routine is loaded during `RECEIVE` calls to the Broker.
Action	Check the log data set for further load failure messages. Possible causes for the failure are:

1. An incorrect name for the translation routine is specified.

2. The translation routine is linked incorrectly.

3. The translation routine does not reside in a library accessible by the Broker.

00220081	**TRANS: Return Len > User Receive-length**
Explanation	The return length of the translated string set by the translation routine is greater than the receive length specified in the API by the receiver. Check the translation routine used. The return length given from the translation routine to EntireX Broker must not be set to a value greater than the receive length of the receiver. Check the program and correct the error.
Action	Contact the person who is responsible for the translation routine.

00220085	**TRANS: Return Length < 0**
Explanation	The return length of the translated string set by the translation routine is less than zero. Check the translation routine used. The return length given from the translation routine to EntireX Broker must not be less than zero. Check the program and correct the error.
Action	Contact the person who is responsible for the translation routine.

00220223	**Error from CONVERSION Routine**
Explanation	This message is written to the application if the user translation routine has an error.
Action	This is a user error. Check the program and correct the error.

00220437	**Some chars inconvertible to target CP**
Explanation	Some characters in the sender's message do not exist in the receiver's encoding. Check locale information of the sender of the message.
Action	Contact Software AG support and provide locale information of sender and receiver.

00220438	**Chars to convert undefined in source CP**
Explanation	Some of the characters to be converted are not defined in the source codepage. The data that the participant is sending and the conversion codepage do not correspond.
Action	Correct the data being sent.

00220531	**Converter Obj may be missing in ICUDATA**
Explanation	The converter name cannot be recognized.
Action	Ensure that the ICU data library (libicudataexx.so on UNIX, icudt32.dll on Windows or IXMI32DA on z/OS) is loadable or contact Software AG support.

00220649   **TRANS: User exit returns invalid lengths**

Explanation   There is a probable error in external conversion exit. Lengths of payload data after
                          conversion do not match with return code, returned by external exit.

Action   Ensure that `CONVERSION` (or `TRANSLATION`) parameter in attribute file
                          (`DEFAULTS=SERVICE` section) is properly configured. Make sure that the external exit
                          (user-written) is returning right values in the right fields of TRAP structure.

00220650   **ATTR: Inval keyword in CONVERSION params**

Explanation   There is a syntax error while specifying subparameters in `CONVERSION=(..)` in
                          `DEFAULTS=SERVICE` section.

Action   Ensure that the various option keywords and their values in `CONVERSION` are properly
                          spelled. Each `<keyword=value>` pair must be separated by a ',' delimiter. The last
                          pair is followed by closing parenthesis ')'.

15 Message Class 0036 - EntireX ACI - Broker Busy

This message class occurs when EntireX Broker is busy and the operation demanded from the Broker is temporarily unavailable. However, no conversations are lost. The operation can be retried. The messages have the format:

0036*nnnn*

where 0036   is the message class, and

     nnnn   is the message number in the range 0000 - 9999

00360329	**Cannot Generate New ID**
Explanation	The Broker kernel cannot generate a proper physical ID.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360363	**Unable to get lock for SAT creation**
Explanation	The service attribute table must be locked to create a new entry. The task did not succeed in getting this lock. Since this is a very short time window, it is unlikely to get the error response.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360381	**Unable to get lock for PCB creation**
Explanation	The Broker is busy and the internal resources needed to satisfy the call are currently not available (due to concurrent attempts to serialize the process of creating a user, a block occurs and the user cannot get logged on).
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360476	**Cannot generate new CONVID**
Explanation	The Broker kernel cannot generate a proper conversation ID.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360477	**Cannot generate new UOWID**
Explanation	The Broker kernel cannot generate a proper unit of work ID.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360880	**Failed to get BCT lock**
Explanation	The Broker Control Table cannot be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360881	**Failed to get CCB lock**
Explanation	Conversation Control Block cannot be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360882	**Failed to get CCB pair lock**
Explanation	Conversation Control Block cannot be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360883	**Failed to get CMDLOG CONTROL lock**
Explanation	This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360884	**Failed to get PCB lock**
Explanation	Participant (user) Control Block could not be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360885	**Failed to get SCB lock**
Explanation	Service Control Block could not be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360887	**Failed to get TFE lock**
Explanation	Trace Filter Entry could not be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360888	**Failed to get TOQ lock**
Explanation	Timeout Queue Entry could not be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360889	**Failed to get UOW lock**
Explanation	Unit of Work could not be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360890	**Failed to get WQE lock**
Explanation	Work Queue Element could not be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00360891	**Failed to get XPE lock**
Explanation	Expel entry (in participant blacklist) could not be locked. This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

16 Message Class 0037 - EntireX ACI - Broker Resource Shortage

This message class is returned when resources to satisfy the EntireX Broker operation are temporarily unavailable The resource for which the shortage occurred must be determined by examining the error number returned. This situation is also reported in the Broker's log data set. However, no conversations are lost. On the client side, after a reasonable time, the Broker function can be retried. Ensure that no loop has been programmed. The messages have the format:

0037*nnnn*

where 0037   is the message class, and

   nnnn   is the message number in the range 0000 - 9999

00370041	**CONV-LIMIT for service reached**
Explanation	All resources reserved for that particular service are already in use. No additional resources can be assigned.
Action	Wait a while and try again - the resource shortage may have been resolved. If this happens frequently for a particular service, the assigned resources are not sufficient. Add additional resources (conversations) to this service.

00370042	**BUFFER-LIMIT for service reached**
Explanation	All resources reserved for that particular service are already in use. No additional resources can be assigned.
Action	Wait a while and try again - the resource shortage may have been resolved. If this happens frequently, for a particular service, the assigned resources are not sufficient. Add additional resources (short or long buffers) to this service.

00370057 **ATTR: Shortage For NUM-SHORT-BUFFERS**

Explanation   This is a resource shortage. Currently, no short message containers are available. Short message containers are used for data/messages shorter than or equal to 2048 bytes.

Action   Because this is a temporary resource shortage, it makes sense to try the SEND call later in hope that the resource shortage is over. Be careful not to have a loop programmed in this situation. If this occurs frequently, increase the number of short message containers defined in the section DEFAULTS=BROKER with the keyword NUM-SHORT-BUFFER.

00370061 **ATTR: Shortage For NUM-LONG-BUFFER**

Explanation   This is a resource shortage. Currently, no long message containers are available. Long message containers are used for data/messages longer than 2048 bytes.

Action   Because this is a temporary resource shortage, it makes sense to try the SEND call later in hope that the resource shortage is over. Be careful not to have a loop programmed in this situation. If this occurs frequently, increase the number of long message containers defined in the section DEFAULTS=BROKER with the keyword NUM-LONG-BUFFER.

00370099 **No free timeout queue entry**

Explanation   EntireX Broker detected an error while searching for a free TOQ entry. There is no TOQ entry for usage.

Action   Contact Software AG support.

00370165 **Participant locked by Timeout manager**

Explanation   The timeout manager is currently using the participant control block to do a cleanup. Therefore, the resource is temporarily locked.

Action   Retry the call to EntireX Broker.

00370197 **Reconnect Rejected - User Busy**

Explanation   This situation occurs only when working with the TOKEN parameter in the API; that is, the user is identified by USER-ID/TOKEN instead of USER-ID/Internal ID. If the user changes the physical location between EntireX Broker calls (e.g. a new session from another terminal), and a call to EntireX Broker from the old session is in progress, the new session retrieves this response. The new session is not accepted.

Action   Retry the call to EntireX Broker later. To avoid confusion, however, do not have several concurrent sessions with the same TOKEN parameter in the API.

00370230	**Max NUM-CONVERSATION Reached**
Explanation	This is a temporary resource shortage. The maximum number of EntireX Broker conversations that can be active at any one time has been reached. New conversations will not be accepted until existing ones are ended by `EOC` calls or timeouts.
Action	Increase `NUM-CONVERSATION` in the Broker attribute file or check that the timeout settings for `CONV-NONACT` for the services are not too high.

00370364	**Participant Already Active**
Explanation	A request was issued while another request was already actively being processed for the same `USER-ID`/`TOKEN` combination.
Action	Ensure that there are not two or more active applications specifying the same `USER-ID`/`TOKEN` value.

00370365	**Service Currently Created**
Explanation	The attempt to create a service control block with the same identification at the same time is rejected. Since this is a very short time window, it is unlikely to get the error response.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

00370366	**Participant Currently Created**
Explanation	The attempt to create a participant control block with the same identification at the same time is rejected. Since this is a very short time window, it is unlikely to get the error response.
Action	Ensure that there are not two or more active applications specifying the same `USER-ID`/`TOKEN` value.

00370367	**Topic currently created**
Explanation	Broker serializes any request to create a new topic. The topic with the supplied topic name is currently created.
Action	Retry the call to EntireX Broker.

00370390	**Max NUM-PUBLICATION reached**
Explanation	This is a temporary resource shortage. The maximum number of EntireX Broker publications that can be active at any one time has been reached. New publications will not be accepted until existing ones are acknowledged by all subscribers.
Action	Increase `NUM-PUBLICATION` in the Broker attribute file.

00370417	**PSI: New publications are not allowed**
Explanation	This is a resource shortage. Currently, new publications are not allowed. This situation can occur when the Broker administrator has issued the CIS command `FORBID-NEWUOWMSGS` to disallow new UOW and publication messages or the Broker was started with the `NEW-UOW-MESSAGES=NO`.
Action	Since this is a resource shortage, it may be take some time before new publication messages are allowed again by the Broker administrator. Be careful not to have a loop programmed in this situation. Retry the call to EntireX Broker later after the Broker administrator has issued the command `ALLOW-NEWUOWMSGS` to allow new UOW and publication messages.

00370445	**PSI: New UOW messages are not allowed**
Explanation	This is a resource shortage. Currently, new UOW messages are not allowed. This situation can occur when the Broker administrator has issued the CIS command `FORBID-NEWUOWMSGS` to disallow new UOW messages or the Broker was started with attribute `NEW-UOW-MESSAGES=NO`. See `FORBID-NEWUOWMSGS` under *Broker CIS Data Structures* in the EntireX Broker ACI Programming documentation and `NEW-UOW-MESSAGES=NO` under *Broker Attributes*.
Action	Since this is a resource shortage, it may be take some time before new UOW messages are allowed again by the Broker administrator. Be careful not to have a loop programmed in this situation. Retry the call to EntireX Broker later after the Broker administrator has issued the CIS command `ALLOW-NEWUOWMSGS` to allow new UOW messages. See `ALLOW-NEWUOWMSGS`.

00370448	**SERVER-LIMIT for Service reached**
Explanation	All servers reserved for that particular service are already in use. No additional servers can be assigned.
Action	Wait a while and try again; the resource shortage may have been resolved. If this happens frequently for a particular service, the assigned resources are not sufficient. Add additional resources (servers) to this service.

00370484	**All subscription sessions in use**
Explanation	The maximum number of 32 `RECEIVE-PUBLICATION` sessions per subscriber and topic is reached.
Action	Commit received publications before starting to receive other new publications of that particular topic.

00370486	**BUFFER-LIMIT for Topic reached**
Explanation	All resources reserved for that particular topic are already in use. No additional resources can be assigned.
Action	Wait a while and try again - the resource shortage may have been resolved. If this happens frequently, for a particular topic, the assigned resources are not sufficient. Add additional resources (short or long buffers) to this topic.

00370489	**PUBLICATION-LIMIT for Topic reached**
Explanation	All resources reserved for that particular topic are already in use. No additional resources can be assigned.
Action	Wait a while and try again - the resource shortage may have been resolved. If this happens frequently, for a particular topic, the assigned resources are not sufficient. Add additional resources (publications) to this topic.

00370620	**Heap overflow**
Explanation	The internal heap is exceeded.
Action	Increase the `HEAP-SIZE` and restart Broker.

00370656	**Dynamic pool management not enabled**
Explanation	Existing memory pool is full. Dynamic pool management is not enabled.
Action	Request is rejected due to insufficient resources.

00370669	**Allocation size is out of range**
Explanation	The number of slots for the memory pool exceeds the address space limit.
Action	Change the attribute value. Contact Software AG support if you are not sure about the responsible attribute.

00370670	**Slot size is greater than entire pool**
Explanation	The requested slot size exceeds the total capacity of the memory pool. The request is rejected due to insufficient resources. This error usually occurs if a broker message exceeds the size of the long message buffer.
Action	Define an appropriate size for the memory pool to handle such a large buffer. Make sure that `NUM-LONG` is at least `MAX-MESSAGE-LENGTH` / 4096, and `NUM-COMBUF` is at least `MAX-MESSAGE-LENGTH` / 16384.

00370671	**Requested allocation exceeds MAX-MEMORY**
Explanation	The allocation of this pool will exceed `MAX-MEMORY` and is rejected.
Action	Increase value of Broker-specific attribute `MAX-MEMORY`, or no action if maximum value was defined correctly. See `MAX-MEMORY` under *Broker Attributes*.

00370833	**PSTORE: Cannot allocate record buffer**
Explanation	The Adabas PSTORE handler was unable to allocate heap storage for the Adabas record buffer. This is 31-bit heap storage on z/OS.
Action	Change the runtime settings to enlarge the size of the runtime heap.

00370836	**PSTORE: Cannot perform COLD start**
Explanation	The Adabas PSTORE handler cannot perform a COLD start.
Action	Check the Broker log for additional information.

17 Message Class 0074 - EntireX ACI - No request or Message Available

This message class is returned when no request or data/message is available for processing. However, no conversations are lost. It occurs only in `SEND` or `RECEIVE` operations in the following situations:

1. The `WAIT` time specified in the ACI has elapsed in blocked operations.
2. A non-blocked operation was issued and no request or data/message was available.

With clients in conversational mode, this response can be followed by a `RECEIVE` operation. We do not recommend retrying too often as the counterpart could be having problems, and so a loop is produced. When a new conversation is started with `SEND` and `CONV-ID=NEW` and this response is retrieved, the service requesting side (client) has a conversation, even if there is no server available. In this case, a `RECEIVE` or an `EOC` operation should follow. In non-conversational mode, the `SEND` operation can be retried, but ensure that no loop is programmed.

For servers retrieving this response is a normal situation when issuing a `RECEIVE` operation for incoming request/conversations. Usually the operation is retried, after reporting a "living message" in the server's log. We do not recommended waiting too long for a specific or old conversation, as the counterpart could be having problems, and servers should not be blocked too long by old conversations.

The messages have the format:

0074*nnnn*

where 0074 is the message class, and

      nnnn is the message number in the range 0000 - 9999

00740009	**Conversation Found - No Message**
Explanation	The user polled for data/messages within an existing conversation (non-blocked `RECEIVE` with `CONV-ID=`*n*) and no data/message is available. However, the conversation still exists.
Action	This is an informational message. How the program continues depends on the application.

00740074	**Wait Timeout Occurred**
Explanation	The period specified by the `WAIT` field in the API has elapsed without any reply or request arriving to satisfy the Broker call. The conversation still exists and can continue.
Action	Check the following situations:

1. In a `RECEIVE` for servers, this is an information message when not waiting for a specific conversation. No request is available for processing. The `RECEIVE` is normally issued again.

2. When this occurs for a specific conversation, a `RECEIVE` can be issued to wait again for the data/message, or the conversation can be aborted with an `EOC` call.

3. When this occurs in a client in non-conversational mode, the call can be retried.

4. Check if the partner is working correctly.

00740300	**Conversation found no units of work**
Explanation	There is no unit of work available to be received in this conversation.
Action	This message is for diagnostic purposes only. Make sure that the sender sends and commits at least one unit of work in this conversation.

00740301	**Conversation found end of unit of work**
Explanation	The end of the unit of work was reached for this conversation prior to the last `RECEIVE`. Usually this means that an extra `RECEIVE` command was issued.
Action	This message is for diagnostic purposes only. Check ACI field `UOWSTATUS` to see if it indicates that the last `RECEIVE` for the UOW was processed. See `UOWSTATUS` under *Broker ACI Fields*.

00740345	**Service MAX-UOWS Reached**
Explanation	You are attempting to send a UOW to a service that already has queued to it the maximum number of UOWs allowed, as specified by the `MAX-UOWS` attribute.
Action	Increase the server's `MAX-UOWS` attribute or investigate why the server is not receiving and processing UOWs. If you increase the `MAX-UOWS` attribute, you may need to increase other attributes as well, for example `NUM-CONVERSATION`, `NUM-LONG-BUFFER`, `NUM-SHORT-BUFFER`.

00740346	**Service Does Not Support UOW**
Explanation	You are attempting to send a UOW to a service that does not accept UOWs, as indicated by `MAX-UOWS=0` in the server's attribute definition.
Action	If the server is to handle UOWs, set its `MAX-UOWS` attribute to an appropriate non-zero value.

00740347	**Max. Number of Messages per UOW Reached**
Explanation	You are attempting to send a UOW that contains more messages than are allowed by the `MAX-MESSAGES-IN-UOW` attribute.
Action	If you increase the `MAX-MESSAGES-IN-UOW` attribute, you may also need to increase other attributes as well, for example `NUM-LONG-BUFFER` or `NUM-SHORT-BUFFER`.

00740399	**Max messages per publication reached**
Explanation	You are attempting to send a publication that contains more messages than are allowed by the `MAX-MESSAGES-IN-PUBLICATION` attribute.
Action	If you increase the `MAX-MESSAGES-IN-PUBLICATION` attribute, you may also need to increase other attributes as well, for example `NUM-LONG-BUFFER` or `NUM-SHORT-BUFFER`.

00740480	**Publication found: end of data**
Explanation	All messages for the current publication have been received: there is no more data
Action	Ensure messages belonging to publication have been processed and issue `CONTROL_PUBLICATION` command, `OPTION=COMMIT`.

00740481	**Publication found: no data**
Explanation	The user polled for data/messages within an existing publication (non-blocked `RECEIVE` with `PUBLICATION-ID=`*n*) and no data/message is available. However, the publication still exists.
Action	This is an informational message. How the program continues depends on the application.

00749460	**POSITIVE CONFIRMATION RECEIVED**
Explanation	`CONFIRMATION=COA` or `COD` was specified in the Directory Entry for this server, and a positive confirmation to a previous `SEND` has been received.

00749461   **EXPIRATION REPORT RECEIVED**

Explanation   EXPIRATION= specified in the Directory Entry for this server, and a message was sent, but has expired before being delivered to the server.

18 Message Class 0078 - EntireX ACI - Error from Broker

This message class is returned when EntireX Broker detects an error situation. The situation should be examined using the error number returned and after correction, the applications can be restarted. The messages have the format:

0078*nnnn*

where 0078 is the message class, and

      nnnn is the message number in the range 0000 - 9999

00780008	No Related Text For Error Number
Explanation	EntireX Broker has tried to return an error number that it cannot find in the table of known messages.
Action	Contact Software AG support.

00780055	TRE Entry Not Active
Explanation	The translation routine cannot be loaded (in `RECEIVE` function) because the translation routine control block was not created correctly when the service was registered.
Action	Contact Software AG support.

00780058	Failed to get memory from OS
Explanation	Broker could not get enough memory during initialization.
Action	Reduce the resource requirements in the attribute file OR increase the memory available to your broker job, if possible.

00780093   **MQ Store Pointer Is Null**

Explanation   EntireX Broker detected an error during release of storage.

Action   Contact Software AG support.

00780198   **No Related SCBEXT Entry For PCB**

Explanation   A server issued a `DEREGISTER` call with option `QUIESCE` while a user was still active (conversations were active), and a `REGISTER` call was issued. In this situation, EntireX Broker detected an error.

Action   Contact Software AG support.

00780221   **SPFX Translation Code Error**

Explanation   This is a problem with the Broker stub used by the application. The stub did not send the EntireX Broker call in the correct internal format.

Action   Ensure that the correct version of the EntireX Broker stub is being used. Check the log data set for an image of the internal format. Examine this string for the user issuing the call.

00780224   **POST/WAIT error occurred**

Explanation   The internal communication of Broker failed due to an operating system error.

Action   Contact Software AG support.

00780232   **PSI: Query release failed**

Explanation   Resources obtained for a Command and Infor Services query cannot released.

Action   Contact Software AG support.

00780238   **PSTORE is currently disconnected**

Explanation   Currently, PSTORE is disconnected. Any active operation involving PSTORE is currently prohibited. This situation can occur when the Broker administrator has issued the CIS command `DISCONNECT-PSTORE`.

Action   It may take some time before PSTORE will be connected again. Be careful not to have a loop programmed in this situation. Retry the call to EntireX Broker after the Broker administrator has issued the command `CONNECT-PSTORE`.

00780239	**Invalid length in format string**
Explanation	EntireX Broker has detected an internal inconsistency during info or command processing. The internal field length description is corrupted.
Action	Contact Software AG support.

00780241	**No free service extension entry**
Explanation	EntireX Broker has detected an error while searching for a free SCB extension entry. There is no SCB extension entry available.
Action	This error should not occur with `DYNAMIC-MEMORY-MANAGEMENT` set to "YES" unless the maximum amount of memory has already been reached.
	With `DYNAMIC-MEMORY-MANAGEMENT` set to "NO", the broker-specific attribute `NUM-SERVICE-EXTENSION` can be used to increase the number of service extension control blocks.
	You may retrieve the allocated number of service extensions by using the program `ETBINFO`. Object `ETB_INFO_RESOURCE_USAGE` (CIS version 7 and above) returns all data about service extensions. See value of field `nServiceExtensionEntriesAllocated`.

00780243	**No free topic extension entry**
Explanation	EntireX Broker has detected an error while searching for a free TCB extension entry. There is no TCB extension available.
Action	Contact Software AG support.

00780244	**No free translation entry**
Explanation	The Broker has detected an error while searching for a free TRE entry. There is no TRE entry available.
Action	Contact Software AG support.

00780245	**No related service entry for client**
Explanation	The Broker has detected an error while searching for the client SCB entry. There is no SCB entry for the client.
Action	Contact Software AG support.

00780254	**Invalid type in format string**
Explanation	The Broker has detected an internal inconsistency during info or command processing. The internal description of the field type is corrupted.
Action	Contact Software AG support.

00780258	**Pointer to next segment is null**
Explanation	Internal error during assembly of the Info return buffer.
Action	Contact Software AG support.

00780259	**No related timeout queue entry**
Explanation	EntireX Broker has detected an error in TOQ structures.
Action	Contact Software AG support.

00780260	**Pointer to Info structure is null**
Explanation	Internal error during inquiry of Info services.
Action	Contact Software AG support.

00780261	**No free participant entry**
Explanation	The Broker has detected an error while searching for a free PCB entry. There is no PCB entry available.
Action	Increase `NUM-SERVER` and/or `NUM-CLIENT`.

00780262	**No free participant extension entry**
Explanation	The Broker has detected an error while searching for a free PCB extension entry. There is no PCB extension entry available.
Action	If you are *not* using dynamic memory management (Broker attribute `DYNAMIC-MEMORY-MANAGEMENT`), define an appropriate value for attribute `NUM-PARTICIPANT-EXTENSION` (`NUM-SERVER` * `NUM-SERVICE` + `NUM-CLIENT`).

00780263	**No free topic entry**
Explanation	EntireX Broker has detected an error while searching for a free topic control block. There is no TCB available.
Action	Contact your Broker Administrator to increase the global attribute `NUM-TOPIC`.

00780264	**No free subscription control block**
Explanation	The Broker has detected an error while searching for a free subscriber control block entry. There is no SUBSCB entry available
Action	Contact Software AG support.

00780265	**No free service entry**
Explanation	The Broker has detected an error while searching for a free SCB (Service Control Block) entry. There is no SCB entry available. The number of SCBs is set based upon the number of clients, servers, and services. When this error is returned, it means that all of the SCBs are in use. The current formula for the number of SCBs is: `NUM-CLIENTS` + `NUM-SERVERS` + `NUM-SERVICES` + 5.
Action	Recommendations:

- Increase `NUM-SERVICE`.
- Increase `NUM-SERVER`.
- Increase `NUM-CLIENTS`.

Increasing the values will increase the total number of SCBs.

To free up the idle SCBs sooner:

- Decrease `CLIENT-NONACT`.
- Decrease `CONV-NONACT`.
- Set `SERVER-NONACT`.

Decreasing the non-activity timers will cause the inactive resources to be made available to other users.

If `DYNAMIC-MEMORY-MANAGEMENT` is set to `YES`, this error should no longer occur.

00780266	**Inconsistency at start Info/Cmd-Service**
Explanation	An inconsistency occurred during the start of internal Info or Command Services.
Action	Contact Software AG support.

00780277	**PSI: Replace operation failed**
Explanation	The PSTORE operation to replace the contents of a unit of work failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780299	**Only supported for messages (no UOWs)**
Explanation	An EntireX Broker function for a conversation with no units of work is requested, but the specified conversation contains units of work. The function is rejected.
Action	Check the supplied conversation ID.

00780304	**No free UOW control block**
Explanation	The Broker detected an error while searching for a free UWCB entry. No UWCB entry is available.
Action	Contact Software AG support.

00780305	**No matching UOW found**
Explanation	A client issued a `SEND`, `RECEIVE`, `EOC`, or `SYNCPOINT` call and the specified UOW does not exist.
Action	This is a user error. Clients must ensure that the UOWs exist before any request is made.

00780306	**UOWs not found for UOWID=BOTH**
Explanation	A client issued a `SYNCPOINT OPTION=COMMIT` call specifying `UOWID=BOTH` and two UOWs in the correct status could not be found.
Action	This is a user error. Clients must ensure that the UOWs to be operated on exist and are in the correct status.

00780307	**UOW is not in correct status**
Explanation	A client issued a `SEND`, `RECEIVE`, `EOC`, or `SYNCPOINT` call and the specified UOW is not in the correct status for the requested operation.
Action	This is a user error. Clients must ensure that the UOWs are in the correct status.

00780308	**UOW was not created by caller**
Explanation	A client issued a `SYNCPOINT` call with `OPTION=QUERY` or `OPTION=DELETE`, and the specified UOW was not created by the caller of `SYNCPOINT`.
Action	This is a user error. Only the creator of a UOW can `QUERY` or `DELETE` a UOW. Use the Command and Information Services to accomplish these operations on a UOW not created by the caller.

00780309	**Error updating UOW status**
Explanation	An error occurred while updating the persistent status of a UOW. The error is in the persistent store facility.
Action	Examine the Broker log file to determine the type of error encountered. Contact Software AG support if necessary.

00780310	**Mismatched UOWs Store Type**
Explanation	The store type specified with a SEND function is not the same as the store type specified with the first SEND for that UOW.
Action	Do not change the store type after the first SEND for a UOW has been issued.

00780319	**PSI: WRITE failed**
Explanation	An attempt to write data to the persistent store has failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780320	**PSI: READ control data failed**
Explanation	An attempt to read control data from the persistent store has failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780321	**PSI: READ message data failed**
Explanation	An attempt to read message data from the persistent store has failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780322	**PSI: UPDATE failed**
Explanation	An attempt to update the persistent store has failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780323	**PSI: WRITE both failed**
Explanation	An attempt to write two data items to the persistent store has failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780326	PSI: PURGE failed
Explanation	An attempt to delete data from the persistent store has failed.
Action	Examine the Broker log file for more `informatiofUOWIDn` and contact Software AG support if necessary.

00780328	PSI: Scan operation failed
Explanation	An attempt to scan for selected data on the persistent store has failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780337	Duplicate UOWID found
Explanation	Two UOWs with the same ID, on the same conversation, were encountered during restart. The Broker will not initialize.
Action	It will be necessary to delete one or both of the UOWs before restarting. Contact Software AG support if necessary.

00780338	Exit attempted to change message size
Explanation	An encryption or decryption security exit attempted to change the size of a message.
Action	Correct the user exit so that message sizes are not changed.
	Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

00780350	UOW operations not allowed
Explanation	A request has specified a unit of work (UOW) operation. But because the broker-specific attribute `MAX-UOWS` is set to 0 (zero), unit of work operations are not allowed. See `MAX-UOWS`.
Action	Ensure that the request is directed to the correct Broker and that the Broker supports UOWs.

00780351	UOWID required for COMMIT/BACKOUT/CANCEL
Explanation	A `UOWID` is required for a `SYNCPOINT` function that specifies a `COMMIT`, `BACKOUT`, or `CANCEL` option.
Action	Provide a `UOWID` whenever you want to commit, back out, or cancel a UOW.

00780352	**Invalid message length**
Explanation	The message allocator is getting a request to obtain space for a message lower than or equal to zero. The request is rejected.
Action	Contact Software AG support.

00780356	**Error Updating Receiver Data**
Explanation	An error occurred while updating the receiver data of a UOW in the persistent store.
Action	Examine the Broker log file to determine the type of error encountered. Contact Software AG support if necessary.

00780357	**Message Queue Inconsistent**
Explanation	Broker keeps track of the sequence for sent and received non-persistent messages. The expected message number on receive does not match with the message number in the message queue control block. This indicates inconsistent data in the Broker memory pool. Broker will issue an error message and return this response code in the ACI.
Action	Contact Software AG support.

00780358	**PSI: Query operation failed**
Explanation	The PSTORE operation to run a query is failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780375	**No storage for Translation Buffer**
Explanation	The Broker could not allocate enough memory for a buffer into which the message to be character-converted should be copied.
Action	As a short-term measure try reducing the number of worker tasks (`NUM-WORKER` in the Broker attribute file) since each worker task maintains a separate Translation buffer.

00780386	**No free conversation accounting entry**
Explanation	This message indicates a shortage of accounting control blocks.
Action	Increase `NUM-CONVERSATION`.

00780388	**PSI: UOWs can NOT be persisted**
Explanation	A request for a UOW to be persisted (`STORE=BROKER`) cannot be accomplished, since at startup, the Broker attributes specify no persistent store (`PSTORE=NO`).
Action	Review Broker attribute settings related to the persistent store.

00780389	**PSI: UOW status can NOT be persisted**
Explanation	A request for a UOW status to be persisted cannot be accomplished, since at startup, the Broker attributes specify no persistent store (`PSTORE=NO`).
Action	Review Broker attribute settings related to the persistent store.

00780392	**Publication is not in correct status**
Explanation	A publisher or a subscriber issued a call and the specified publication is not in the correct status for the requested operation.
Action	This is a user error. Publishers and subscribers must ensure that the publications are in the correct status.

00780398	**Publication was not created by caller**
Explanation	A publisher requested a publication which was not created by himself.
Action	This is a user error. Only the creator of the publication can issue this request.

00780405	**PSI: UOW Index initialization failed**
Explanation	EntireX Broker tried to create an internal index for every unit of work. This operation failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780406	**PSI: Add entry to UOW Index failed**
Explanation	EntireX Broker tried to add an entry to the internal index for units of work. This operation failed.
Action	Examine the Broker log file for more information and contact Software AG support if necessary.

00780407   **PSI: Logical read failed**

Explanation   The logical read operation through the Adabas PSTORE returned an error.

Action   Examine the Broker log file for more information and contact Software AG support
                     if necessary.

00780409   **PSI: Delete entry from UOW Index failed**

Explanation   EntireX Broker tried to delete an entry from the internal index for units of work. This
                     operation failed.

Action   Examine the Broker log file for more information and contact Software AG support
                     if necessary.

00780410   **PSI: Close UOW Index failed**

Explanation   EntireX Broker tried to close the internal index for units of work. This operation failed.

Action   Examine the Broker log file for more information and contact Software AG support
                     if necessary.

00780413   **No free extensible topic entry**

Explanation   EntireX Broker has detected an error while searching for a free extensible topic Entry.
                     There is no XTE available.

Action   Contact your Broker Administrator to increase the global attribute `NUM-TOPIC-TOTAL`.

00780492   **No related TCB entry for publisher**

Explanation   EntireX Broker has detected an error while searching for the publisher TCB entry.
                     There is no TCB entry for the publisher.

Action   Contact Software AG support.

00780530   **Error accessing subscriber information**

Explanation   Error occurs when Broker cannot access the subscriber store.

Action   Please check Broker log for more detailed information.

00780575   **PSI: Set Trace Level failed**

Explanation   Unable to set the persistent store-specific trace level.

Action   Contact Software AG support.

00780615	**No free filter entry**
Explanation	An attempt to add a command log filter failed as there were no free command log filter entries.
Action	Delete an existing command log filter or specify an increased value for the broker `NUM-CMDLOG-FILTER` attribute and restart the broker kernel.

00780617	**Broker is waiting for operational PSTORE**
Explanation	Broker was started with `WAIT-FOR-ACTIVE-PSTORE=YES` but the persistent store is not active yet.
Action	As soon as the persistent store is accessible, this temporary problem will no longer exist. Check that the assigned persistent store is in the process of starting.

00780621	**No free proxy queue entry**
Explanation	EntireX Broker has detected an error while searching for a free proxy queue entry. There is no proxy queue entry available.
Action	Contact Software AG support.

00780623	**No free TCP connection entry**
Explanation	The maximum number of TCP/IP connections is derived from the number of available file descriptors. This maximum has been reached.
Action	Increase the number of file descriptors.

00780624	**Broker not operational for user requests**
Explanation	The Broker is not available for user requests. The `BROKER-ID` used for the current request does not address a Broker with `RUN-MODE=STANDARD`.
Action	Change the `BROKER-ID` to address a Broker with `RUN-MODE=STANDARD`.

00780626	**No free node control block**
Explanation	EntireX Broker has detected an error while searching for a free node control block. There is no node control block available.
Action	Contact Software AG support.

00780627   **Transport proxy not active**

Explanation   The proxy component of the requested communicator is not active and cannot be used to contact the partner Broker.

Action   Check the output files for error messages issued by the communicator.

00780655   **Pool order failure**

Explanation   The internal communication path between the task ordering a pool allocation and the task executing the order received an error.

Action   Broker log provides more detailed diagnostics about the reason not being able to perform post and wait between Broker threads.

00780726   **PSTORE load already running**

Explanation   There is an out of band request by the partner Broker to issue another handshake while the load procedure of the persistent store migration is already running.

Action   Restart Load and Unload Broker to repeat the PSTORE migration.

00780765   **Broker version mismatch**

Explanation   A validation is performed by the Partner Brokers according to the Broker version number. This version information does not match.

Action   Adjust the Broker environments so that the version of the Partner Brokers is the same.

00780766   **Broker version missing**

Explanation   A validation is performed by the Partner Brokers according to the Broker version number. This version information has not been sent by the partner.

Action   Contact Software AG support.

00780767   **Broker architecture mismatch**

Explanation   A validation is performed by the Partner Brokers according to the platform architecture type. This type information does not match.

Action   Adjust the Broker environments so that the partner Brokers are running on the same level and type of architecture.

00780768	**Broker architecture missing**
Explanation	A validation is performed by the Partner Brokers according to the platform architecture type. This type information has not been sent by the partner.
Action	Contact Software AG support.

00780769	**Broker security mismatch**
Explanation	A validation is performed by the Partner Brokers according to the security setting. This security setting does not match.
Action	Adjust the Broker environments so that the partner brokers are using the same security settings.

00780770	**Broker security missing**
Explanation	A validation is performed by the Partner Brokers according to the security setting. This security setting has not been sent by the partner.
Action	Contact Software AG support.

00780777	**Request has abended**
Explanation	The current request caused an abnormal exception in the Broker.
Action	Contact your Administrator to send the diagnostic information of the Broker to Software AG support.

00780778	**Request not finished yet**
Explanation	The Broker-to-Broker request has not finished yet. Broker is still waiting for the response of the partner Broker.
Action	None.

00780779	**Request rejected**
Explanation	User error loop was detected before and participant is currently not permitted to issue any Broker request.
Action	Wait until participant is unlocked.

00780798	**Invalid data**
Explanation	The Load Broker detected an inconsistency in the sent data. The expected end-of-data signature has not been sent.
Action	Contact Software AG support.

00780844	**PSTORE: Wrong master record**
Explanation	UOW master record missing when reading UOW from Adabas PSTORE database. Indicates a corrupted or inconsistent Adabas PSTORE database.
Action	Running with `PSTORE=COLD` and `FORCE-COLD=YES` fixes the problem by resetting the PSTORE database. Contact Software AG support if the recommended fix is not an option for your situation.

00780848	**PSTORE: ADABAS error occurred**
Explanation	A call to the Adabas database returned an error response.
Action	Check the Adabas response code for more details.

00780852	**PSTORE: Invalid control data length**
Explanation	The unit of work in the c-tree PSTORE contains wrong data or an I/O error occurred.
Action	Check if a wrong `PSTORE-VERSION` has been defined in the attribute file.

00370853	**PSTORE: Persistent Store is full**
Explanation	The space for the c-tree PSTORE is exhausted.
Action	Move the PSTORE files to a location with more disk space and adjust the c-tree-specific `PATH` attribute accordingly.

00780854	**PSTORE: Cannot set** `ADABAS USER-ID`
Explanation	The request to set the Adabas user ID was not successful.
Action	Check the Adabas configuration.

00780855	**PSTORE: Requested data out of range**
Explanation	This error indicates a data inconsistency.
Action	Contact Software AG support.

00780857	**Unexpected API function triggered by RCB**
Explanation	An internal error occurred in the processing of the receive function.
Action	Rerun Broker with `TRACE-LEVEL=4`. Contact Software AG support and provide the Broker log.

00780858	**Cannot create RCB. malloc failed**
Explanation	The runtime heap is too small. Broker was unable to allocate an RCB (Receive Control Block).
Action	Change the runtime settings to increase the size of the runtime heap.

19 Message Class 0079 - EntireX ACI - Error in Broker Stub

This message class indicates a problem in the Broker stub being used and may be reported by the stub or Broker. Examine the error number and make a correction. Then restart the application. The messages have the format:

0079*nnnn*

where 0079   is the message class, and

      nnnn   is the message number in the range 0000 - 9999

00790072	**STUB: Missing API Terminator Char(.)**
Explanation	This is a problem with the Broker stub used by the application. The stub did not send the Broker call in the correct internal format.
Action	Ensure that the correct version of the Broker stub is being used. Check the log data set for an image of the internal format. Examine this string for the user issuing the call.

00790105	**STUB: Invalid extension data offset**
Explanation	The address of send buffer plus send buffer length is out of range.
Action	Correct data for Broker call.

00790122	**STUB: Invalid :1: value**
Explanation	An invalid value is provided in the ACI field :1:.
Action	Correct the value supplied in ACI field :1:.

00790124   **STUB: Invalid :1: size**

Explanation   The size of ACI field :1: is out of range. This might indicate a transport problem.

Action   Check the value supplied in ACI field :1:. Contact Software AG support if needed.

00790130   **STUB: Invalid size of REQ STRING value**

Explanation   An internal protocol error has occurred between ACI and EntireX Broker or transmission has been corrupted.

Action   Contact Software AG support.

00790131   **STUB: Invalid size of REQ STRING key**

Explanation   An internal protocol error has occurred between ACI and EntireX Broker or transmission has been corrupted.

Action   Contact Software AG support.

00790175   **STUB: Must utilize Natural Version >= 4**

Explanation   The mainframe Assembler stub supports only Natural Version 4 and above.

Action   Use Natural Version 4 or above.

00790202   **STUB: Error in SPFX Length**

Explanation   This is a problem with the Broker stub used by the application. The stub has not sent the EntireX Broker call in the correct internal format.

Action   Ensure that the version of the Broker stub being used matches the version of the Broker you are accessing. Check the log data set for an image of the internal format. Examine this string for the user issuing the call.

00790170   **STUB: Received data greater than RETL**

Explanation   An internal inconsistency in the response from the EntireX Broker has been detected: the size of the received data is greater than the return length, that is, the length of the data returned from the application.

Action   Contact Software AG support.

00790204   **STUB: Broker response not recognized**

Explanation   The stub received a reply that indicates an invalid sender. The received data is rejected.

Action   The `BROKER-ID` is probably invalid. The addressee does not support the communication protocol of the Broker.

00790205	STUB: Invalid SPFX Offsets
Explanation	This is a problem with the Broker stub used by the application. The stub did not send the EntireX Broker call in the correct internal format.
Action	Ensure that the Broker stub being used is the correct one. Check the log data set for an image of the internal format. Examine this string for the user issuing the call.

00790206	STUB: Offset Does not Point to Data
Explanation	This is a problem with the Broker stub used by the application. The stub did not send the EntireX Broker call in the correct internal format.
Action	Check that the Broker stub being used is the correct one. Check the log data set for an image of the internal format. Examine this string for the user issuing the call.

00790207	STUB: No request or reply buffer
Explanation	This is a problem with the Broker stub used by the application. The stub did not send the EntireX Broker call in the correct internal format.
Action	Check that the Broker stub being used is the correct one. Check the log data set for an image of the internal format. Examine this string for the user issuing the call.

00790209	STUB: Nothing Returned From Broker
Explanation	The Broker returned an invalid internal format to the caller. The length of the returned string is not positive.
Action	Contact Software AG support.

00790214	STUB: Work Space Allocation Failed
Explanation	The EntireX Broker stub cannot allocate the storage needed as a work area.
Action	If you are using a Natural application in a mainframe environment, try to reduce or remove Natural buffers from the Natural space management. Please refer to the appropriate Natural Operations documentation for valid Natural buffer profile parameters such as `ASIZE`, `CSIZE`, `DSIZE`. When issuing the first call from any mainframe Natural platform, a buffer of 33K must be available within Natural space management.

00790219	EXEC CICS LINK PGM=pgm_name RESP=resp/resp2
Explanation	Under CICS, the broker stub received a CICS error=RESP/RESP2 while calling the CICS routine `pgm_name` (normally ADACICS).
Action	Check the CICS documentation for the meaning of the response codes.

00790225	**SPFX Reply Buffer Overflow**
Explanation	The reply string could not be generated due to an internal buffer overflow.
Action	Contact Software AG support.

00790227	**SPFX Unknown Binary field**
Explanation	The Broker kernel has received a command string that contains unknown binary field extensions.
Action	Contact Software AG support.

00790233	**STUB: problem with SPFX total length**
Explanation	The message from EntireX Broker does not contain the necessary protocol information.
Action	Contact Software AG support.

00790234	**Invalid binary field length**
Explanation	EntireX Broker received a request with invalid binary protocol parts.
Action	Contact Software AG support.

00790341	**STUB: Transport cannot be initialized**
Explanation	The components (e.g. OpenSSL libraries for SSL transport) are not fully available. Therefore, the desired transport in the Broker stub cannot be initialized. Under z/OS, the most likely causes of this are:

1. The application is running on a version of z/OS below z/OS 1.6.

2. The Language Environment POSIX runtime option has the value OFF.

Action	Use an alternative transport mechanism or make the missing components available.

00790382	**STUB: Unable to load or call Broker Stub**
Explanation	Broker stub could not be loaded.
Action	Please check environment variable `ETBLNK`. It should specify the full path name of the Broker stub.

00790571	STUB: Invalid IBM LE version
Explanation	The stub requires a higher z/OS version.
Action	See *z/OS Prerequisites* for supported versions.

00790819	STUB: C-Stub Module could not be loaded
Explanation	z/VSE: Module BROKERB could not be loaded.
Action	Check assignment of EXX library.

00790820	STUB: LE Initialization failed
Explanation	z/VSE: IBM Language Environment initialization failed.
Action	Check LE messages.

00790821	STUB: LE Termination failed
Explanation	z/VSE: IBM Language Environment termination failed.
Action	Check LE messages.

00790822	STUB: BPX1SDD (set_dub_default) failed
Explanation	z/OS: Execution of BPX1SDD failed. The BPX1SDD is used to make subtasks processes.
Action	Check additional return code and reason code. See z/OS UNIX System Services Messages and Codes for a detailed description.

00790823	STUB: Unable to load ADABAS link routine
Explanation	BS2000, z/OS, z/VSE: The Adabas link routine is loaded dynamically. However, the stub was unable to load the Adabas link routine.
Action	Assign the Adabas load library.

00790824	STUB: ADABAS entry unresolved
Explanation	Under z/OS, the Adabas link routine is loaded dynamically. However, the stub was unable to load the Adabas link routine.
Action	Assign the Adabas load library to the STEPLIB chain.

00790825	**STUB: Cannot call BROKER2. Check STEPLIB**
Explanation	The stub BROKER cannot load module BROKER2.
Action	Add the EXX load library with module BROKER2 to the `STEPLIB` chain and rerun the application.

00790910	**PSTORE: UOW already exists**
Explanation	The PSTORE write operation cannot write a unit of work because this UOW already exists.
Action	Turn on Broker log level 4 and rerun the application. Send the resulting Broker log to Software AG support.

20 Message Class 0196 - EntireX ACI - Disconnected due to new Location

This message class need only be handled when working with the `TOKEN` parameter in the ACI, that is, users are identified by `USER-ID`/`TOKEN` instead of `USER-ID`/internal ID. When the user changes the physical location while issuing EntireX Broker operations (a new session from another terminal) the old session retrieves this message class. The new session takes over all conversations from the old session.

01960196	**Disconnected Due To New Location**
Explanation	This situation occurs whenever a user calls the Broker even though a request of this user is already active.
	A user is identified by `USER-ID` and `TOKEN`, or if `TOKEN` was omitted, identified by `USER-ID` and an internal ID.
	This situation may occur when working with the `TOKEN` parameter in the API. If the user changes the physical location between EntireX Broker calls (e.g., a new session from another terminal), the old session retrieves this response. The new session takes all conversations of the old session.
	The situation may also occur with or without the `TOKEN` parameter if a Broker request was stopped by transport timeout (see `ETB_TIMEOUT`) and the old request was still active in Broker.
Action	The program has to be ended.

21   Message Class 0215 - EntireX ACI - Connection Error

This message class is returned when EntireX Broker is not available or the data/message transport to EntireX Broker is currently interrupted. Also, configuration problems in EntireX Broker or the communication methods involved can cause this message class. The situation can be examined using the message code returned. See *Adabas Messages and Codes* or the *Entire Net-Work Messages and Codes* documentation. The messages have the format:

0215*nnnn*

where 0215   is the message class, and

       nnnn   is the message number in the range 0000 - 9999

02150126	**Error during `RECEIVE` request**
Explanation	The request received by Broker does not contain the required transport data. It may be caused by requests not intended for Broker.
Action	The request is rejected.

02150128	**Work queue full or alloc XWQE failed**
Explanation	There is no entry available to process the received user request. This message is issued if the maximum number of work queue elements is reached (see value of `NUM-WQE` attribute).
Action	Increase the value of parameter `NUM-WQE`.

02150129	**Not enough space for COMMUNICATION POOL**
Explanation	Communication pool is too small.
Action	Increase size of the communication buffer (NUM-COMBUF) and retry.

02150148	**EntireX Broker not active : (or Transport-Specific Error Text)**
Explanation	The requested Broker specified in BROKER-ID is not reachable.
Action	Check the BROKER-ID. If it is correct, check if ETB_TRANSPORT environment variable is defined and if defined, it should point to the desired transport method. If problem persists, contact your network administrator.

02150149	**Various Error Text**
Explanation	The broker stub was unable to initialize the environment.
Action	The error text describes the problem situation. The necessary action depends on the actual problem description.

02150151	**Adabas command queue overflow**
Explanation	Adabas command queue overflow.
Action	Increase the size of the NCQE parameter.

02150152	**IUBL is too low**
Explanation	IUBL is too low and must be increased. Due to the increase of IUBL, it may be necessary to increase NABS, too. **Note:** In other environments, IUBL is also known as LU Size or TRANSFER_UNIT Size.
Action	Increase IUBL.

02150215	**NET: Connection Error**
Explanation	The same as the Adabas 254 response code. The Adabas documentation states: One of the following has occurred: ■ An internal error occurred during processing of an attached buffer (buffer overflow). ■ The CT parameter limit was exceeded. Message ADAM93 (or a similar message) is printed or displayed on the console. If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code. **Note:** The Adabas CT parameter corresponds to the EntireX startup parameter TIME.
Action	Consider increasing the EntireX TIME parameter, or otherwise increase resources.

02150255	**NET: Connection Error**
Explanation	The same as the Adabas 255 response code. The Adabas documentation states:
	All attached buffers were allocated at the time the command was processed. Buffer allocation (NAB) "high water marks" may not reflect this condition when no buffer allocation occurs. If you were running with Entire Net-Work, the leftmost two bytes of the additions 2 field contain the ID of the Entire Net-Work node that issued this response code.

02150278	**User Buffer Too Small**
Explanation	Settings for Broker attribute NUM-COMBUF possibly too low. See NUM-COMBUF under *Broker Attributes*.
Action	Consider increasing the value of NUM-COMBUF. If the problem persists, contact Software AG support.

02150373	**Transport Timeout exceeded**
Explanation	Connection error. A timeout occurred, based on the value specified in the TRANSPORT-TIMEOUT environment variable (ETB_TIMEOUT) and/or any client-specified wait time. Refer to that variable for more information.
Action	Identify the cause of the timeout and correct it. If the problem remains, contact Software AG support.

02150403	**Certificate expired or invalid**
Explanation	OpenSSL handshake failed. Certificate is expired or invalid.
Action	Generate a new certificate.

02150546	**No SSL parameters set for this broker ID**
Explanation	ACI function FCT_SETSSLPARMS was not set, The necessary SSL parameters were not issued, and an SSL connection to the Broker was requested.
Action	Issue missing ACI function FCT_SETSSLPARMS, or change the BROKER-ID to not use SSL.

02150572	**Remote certificate name mismatch**
Explanation	The DN field in the SSL certificate supplied by the broker kernel does not match the hostname part of the broker ID.
Action	Ensure that the broker kernel is configured to use the correct SSL certificate.

02150586   **Connection error: work queue exhausted**

Explanation   There is no entry available to process the received user request. This message is issued
                     if the maximum number of work queue elements is reached (see value of `NUM-WQE`
                     attribute).

Action   Increase the value of parameter `NUM-WQE`.

02150587   **Connection error: prefix length invalid**

Explanation   Connection error. Broker command prefix length is invalid (internal error).

Action   Contact Software AG support.

02150588   **Connection error: API offset invalid**

Explanation   Connection error. Broker command API offset is invalid (internal error).

Action   Contact Software AG support.

02150599   **::NET: ADALNK unresolved**

Explanation   ADALNK or ADAUSER is not linked to the Broker stub. The stub cannot perform
                     the transport call to the Broker kernel.

Action   Link ADAUSER to the stub. See BROKER.

02150610   **Error during receive of response**

Explanation   An internal error occurred while receiving an API request.

Action   Contact Software AG support.

02150949   **Skipped Data Collector Call**

Explanation   The data collector cannot be reached. The call is skipped.

Action   Analyze the error reported for the data collector call and fix it.

02159408   **various error texts**

Explanation   A local program has committed an error. The error text field contains specific error
                     information.

Action   Check the program and correct the error.

02159409   **various error texts**

Explanation   A remote program has committed an error. The error-text field contains specific error information.

Action   Check the program and correct the error.

02159411   **NOTHING TO DEREGISTER**

Explanation   A Remote Attach `DEREGISTER` request has been issued, but either the `TPNAME` specified in the `SERVICE` field was not previously registered, or a `DEREGISTER` was issued with a blank `TPNAME` and the Remote Attach Manager currently has no `TPNAME`s registered.

Action   None.

22 Message Class 0217 - EntireX ACI - Transactionality

The messages have the format:

0217*nnnn*

where 0217   is the message class, and

     nnnn   is the message number in the range 0000 - 9999

02179999	**The shared library for the transactionality feature could not be loaded**
Explanation	The specifications in the Broker control block have triggered the transactionality feature, but the appropriate shared library could not be loaded.
Action	Check the fields in the Broker control block or verify that the transactionality library is properly installed.

23 Message Class 0300 - Broker Command Service

The messages have the format:

0300*nnnn*

where 0300 is the message class, and

   nnnn is the message number in the range 0000 - 9999

03000000	**Command Service successfully completed**
Explanation	Command service has completed successfully.
Action	None required.

03000002	**Invalid VERSION**
Explanation	This response is given when a CIS command request includes an invalid `VERSION` number in the Command Request Structure.
Action	This is a program error. Contact the owner of the program.

03000003	**OBJECT-TYPE missing**
Explanation	This response is given when a CIS command request missing a valid `OBJECT-TYPE` in the Command Request Structure.
Action	This is a program error. Contact the owner of the program.

03000005	**Invalid OBJECT-TYPE**
Explanation	This response is given when a CIS command request includes an invalid `OBJECT-TYPE` in the Command Request Structure.
Action	This is a program error. Contact the owner of the program.

03000020	**The user is not authorized to issue Broker commands**
Explanation	User is not permitted access to Command Services: access denied.
Action	Contact security administrator to ensure that correct privileges are defined.

03000021	**Invalid COMMAND**
Explanation	This response is given when a CIS command request includes an invalid `COMMAND` in the Command Request Structure.
Action	This is a program error. Contact the owner of the program.

03000022	**Invalid OPTION**
Explanation	This response is given when a CIS command request includes an invalid `OPTION` in the Command Request Structure.
Action	This is a program error. Contact the owner of the program.

03000023	**Shutdown possible for servers only**
Explanation	Only participants registered as servers can be shutdown.
Action	This is a program error. Contact the owner of the program.

03000024	**Participant not found**
Explanation	This response is given when a CIS command request includes an invalid participant in the Command Request Structure.
Action	This is a program error. Contact the owner of the program.

03000025	**Purge unit of work failed**
Explanation	This response is given when a specified unit of work cannot be purged. The unit of work may not exist or may be in an incorrect state.
Action	This is a program error. Contact the owner of the program.

03000026	User specification must be unique
Explanation	The user (user ID and token or user ID and physical user ID) must be unique.
Action	This is a program error. Contact the owner of the program.

03000027	Topic name must be unique
Explanation	The topic name must be unique.
Action	This is a program error. Contact the owner of the program.

03000028	Add subscription failed
Explanation	This response is given when a subscription cannot be added.
Action	This is a program error. Contact the owner of the program.

03000029	Remove subscription failed
Explanation	This response is given when a subscription cannot be removed.
Action	This is a program error. Contact the owner of the program.

03000030	User must be specified
Explanation	Specify the user in the Command Request Structure. The command cannot be completed without the user argument.
Action	This is a program error. Contact the owner of the program.

03000031	Class/Server/Service must be unique
Explanation	The triplet Class, Server and Service must be unique.
Action	This is a program error. Contact the owner of the program.

03000032	Class and Topic cannot both specified
Explanation	Specify Class or Topic in the Command Request Structure. Do not specify both fields.
Action	This is a program error. Contact the owner of the program.

03000033	Class, Topic or User must be specified
Explanation	The Class, Topic or User must be specified in the Command Request Structure.
Action	This is a program error. Contact the owner of the program.

03000034	**Set command log filter failed**
Explanation	This response is given when a command log filter cannot be set.
Action	This is a program error. Contact the owner of the program.

03000035	**Clear command log filter failed**
Explanation	This response is given when a command log filter cannot be cleared.
Action	This is a program error. Contact the owner of the program.

03000036	**Enable command log filter failed**
Explanation	This response is given when a command log filter cannot be enabled.
Action	This is a program error. Contact the owner of the program.

03000037	**Disable command log filter failed**
Explanation	This response is given when a command log filter cannot be disabled.
Action	This is a program error. Contact the owner of the program.

03000038	**Switch command log files failed**
Explanation	This response is given when the command log output files cannot be switched.
Action	This is a program error. Contact the owner of the program.

03000039	**Set security trace level failed**
Explanation	This response is given when the security trace level cannot be set.
Action	This is a program error. Contact the owner of the program.

03000040	**Set PSF trace level failed**
Explanation	This response is given when the persistent store trace level cannot be set.
Action	This is a program error. Contact the owner of the program.

03000041	**Enable command logging failed**
Explanation	This response is given when command logging cannot be enabled.
Action	This is a program error. Contact the owner of the program.

03000042	**Disable command logging failed**
Explanation	This response is given when command logging cannot be disabled.
Action	This is a program error. Contact the owner of the program.

03000043	**Connect PSTORE failed**
Explanation	This response is given when the persistent store cannot be connected.
Action	This is a program error. Contact the owner of the program.

03000044	**Disconnect PSTORE failed**
Explanation	This response is given when the persistent store cannot be disconnected.
Action	This is a program error. Contact the owner of the program.

03000045	**Allow new UOW messages failed**
Explanation	This response is given when new unit of work messages cannot be allowed.
Action	This is a program error. Contact the owner of the program.

03000046	**Forbid new UOW messages failed**
Explanation	This response is given when new unit of work messages cannot be forbidden.
Action	This is a program error. Contact the owner of the program.

03000047	**Enable accounting failed**
Explanation	This response is given when accounting cannot be enabled.
Action	This is a program error. Contact the owner of the program.

03000048	**Disable accounting failed**
Explanation	This response is given when accounting cannot be disabled.
Action	This is a program error. Contact the owner of the program.

03000049	**Reset user failed**
Explanation	CIS command `CMD_RESET_USER` failed. Broker kernel is not running with Security.
Action	No action required.

03000050	Command refused in current `RUN-MODE`
Explanation	CIS command refused. Broker is running with special `RUN-MODE` that prohibits the execution of the specified command.
Action	No action required.

03000051	Service must be specified
Explanation	CIS command requires `SERVER-CLASS`, `SERVER-NAME` and `SERVICE` as parameters, but these are not specified.
Action	Specify `SERVER-CLASS`, `SERVER-NAME` and `SERVICE` as parameters for the CIS command.

03000052	Service not found
Explanation	The selected service could not be found. The CIS command could not be executed successfully.
Action	Check the specified parameters `SERVER-CLASS`, `SERVER-NAME` and `SERVICE`.

03000053	CONVID must be specified
Explanation	CIS command requires a `CONVID` as parameter, but this was not specified.
Action	Specify `CONVID` as parameter for the CIS command.

03000054	Conversation not found
Explanation	The selected conversation could not be found. The CIS command could not be executed successfully.
Action	Check the specified parameter `CONVID`.

03000056	Only supported for messages
Explanation	The specified conversation contains UOWs. The CIS command could not be executed successfully.
Action	No action possible.

03000057	Cannot lock Conversation
Explanation	The specified conversation could not be locked to process the CIS command.
Action	Please reissue the CIS command.

03000058	**Not for currently running Conversation**
Explanation	The conversation that has to be shut down is the conversation carrying the CIS command. This is not permitted; the conversation cannot shut itself down.
Action	No action required.

03000059	**Security violation detected**
Explanation	The user does not have the permission to shut down the specified service.
Action	Consult your Administrator.

03000060	**Invalid transport ID.**
Explanation	The supplied transport ID is invalid.
Action	Correct the transport ID. The following values are supported: COM, NET, SSL, TCP, S00, S01, S02, S03, S04, T00, T01, T02, T03, T04.

03000061	**Cannot execute command**
Explanation	Specified transport ID does not represent a communicator thread in Broker.
Action	Correct the transport ID. The following values are supported but may not be active in Broker: COM, NET, SSL, TCP, S00, S01, S02, S03, S04, T00, T01, T02, T03, T04.

03000062	**Command ignored. Only one Communicator left**
Explanation	The command is rejected because no other transport communicator is running. This would make the Broker unusable.
Action	No action.

03000063	**Command ignored. Cannot stop all Communicators**
Explanation	The command to stop a transport communicator must provide a unique identification of the transport instance. Transport IDs COM or SSL or TCP are not unique, but transport ID T00, for example, is unique.
Action	Correct the transport ID value.

03000064	**Communicator currently not suspended**
Explanation	The transport communicator cannot be resumed because it wasn't suspended before.
Action	No action required.

03000065	**Communicator currently not stopped**
Explanation	The transport communicator cannot be started because it wasn't stopped before.
Action	No action required.

03000066	**Communicator currently not active**
Explanation	The transport communicator cannot be stopped because it is not active.
Action	No action required.

03000067	**Enable Dynamic Worker Management failed**
Explanation	Broker cannot enable the dynamic worker management because it wasn't disabled before.
Action	No action required.

03000068	**Disable Dynamic Worker Management failed**
Explanation	Broker cannot disable the dynamic worker management because it wasn't enabled before.
Action	No action required.

03000070	**TRACE-FLUSH failed**
Explanation	Command TRACE-FLUSH was issued but did return an error.
Action	Check the Broker log for additional error messages.

03000071	**Still active conversations for Service**
Explanation	Adabas Event Replicator issued command `SINGLE-CONVERSATION-MODE` to turn on the single conversation mode in Broker. The command can be accepted only if there are no active conversations available for the requested service.
Action	Adabas Event Replicator must run in multi-conversation mode until all active conversations have been consumed. You can issue the command `SINGLE-CONVERSATION-MODE` again only if no more active conversations exist for the service.

03000072   **Verification of attribute file failed**

Explanation   The verification of the supplied attribute file buffer detected an error.

Action   The contents of the attribute file buffer must be corrected.

03000073   **Cannot delete deferred service with UOW**

Explanation   Command `SHUTDOWN SERVICE` has been issued to delete a service that was defined
                     as `DEFERRED=YES` and still contains active conversations with units of work (UOW).
                     These units of work must be consumed before the service can be shut down.

Action   No action required.

03000074   **Cannot set UOW status**

Explanation   Command `SET-UOW-STATUS` was issued to change the status of postponed units of
                     work. Most likely the postponed queue does not exist.

Action   No action required.

03000075   **Cannot add service to SCM record**

Explanation   Adabas Event Replicator issued command `SINGLE-CONVERSATION-MODE` to turn on
                     the single conversation mode in Broker. There was a problem adding this service to
                     the single conversation mode record in the persistent store.

Action   Check the Broker log for additional error messages.

03000076   **Update SCM record failed**

Explanation   Command `ACTIVATE-SCM-FOR-SERVICE` was issued to activate the single
                     conversation mode for the specified service. This error is described in more detail by
                     the error number in return field `EtbErrorCode`.

Action   Check the error number in field `EtbErrorCode`.

03000077   **Conversation contains unprocessed UOWs**

Explanation   Command `SHUTDOWN CONVERSATION` was issued, but the selected conversation still
                     contains unprocessed persistent data.

Action   Consume or purge the units of work of the specified conversation and repeat the
                     command.

03000078	**Missing** `TOKEN`
Explanation	Command `SINGLE-CONVERSATION-MODE` was issued, but the requesting user logged on with `USER-ID` only; `TOKEN` was missing. This is not allowed. Adabas Event Replication provides parameter `DETBTOKEN` to define a `TOKEN` for the source side and parameter `IQETBTOKEN` to define a `TOKEN` for the target side.
Action	Specify a `TOKEN` and restart the application.

03000079	**Missing collector Broker ID**
Explanation	CIS command `SET-COLLECTOR` was issued without specifying a `COLLECTOR-BROKER-ID`.
Action	Repeat the command with a `COLLECTOR-BROKER-ID`. See `SET-COLLECTOR` under *Broker Command and Information Services* in the EntireX Broker documentation and `COLLECTOR-BROKER-ID` under *Broker Attributes*.

03000080	**Cannot persist new APPMON value**
Explanation	CIS command `APPMON-OFF` or `APPMON-ON` was issued. See `ETBCMD`: Executable Command Requests in the EntireX Broker documentation. The change of the Broker runtime setting was successful, but the attribute change could not be written to the attribute file.
Action	Analyze preceding error messages in the Broker log file.

03000081	**Cannot persist new COLLECTOR-BROKER-ID**
Explanation	CIS command `SET-COLLECTOR` was issued. The change of the Broker runtime setting was successful, but the attribute change could not be written to the attribute file. See `SET-COLLECTOR` under *Broker Command and Information Services* in the EntireX Broker documentation.
Action	Analyze preceding error messages in the Broker log file.

24 Message Class 0301 - Broker Information Service

The messages have the format:

0301*nnnn*

where 0301 is the message class, and

      nnnn is the message number in the range 0000 - 9999

03010000	**Information Service successfully completed**
Explanation	Information service has completed successfully
Action	None required.

03010001	**Invalid** `BLOCK-LENGTH`
Explanation	This response is given when a CIS information request includes an invalid `BLOCK-LENGTH` in the Information Request Structure.
Action	This is a program error. Contact the owner of the program.

03010002	**Invalid** `VERSION`
Explanation	This response is given when a CIS information request includes an invalid `VERSION` in the Information Request Structure.
Action	This is a program error. Contact the owner of the program.

03010003   `OBJECT-TYPE` **is missing**

Explanation	This response is given when a CIS information request does not include a valid `OBJECT-TYPE` in the Information Request Structure.
Action	This is a program error. Inform the owner of the program.

03010004   **Nothing was found for this request**

Explanation	No data found for this request.
Action	None required.

03010005   **Invalid** `OBJECT-TYPE`

Explanation	This response is given when a CIS information request includes an invalid `OBJECT-TYPE` in the Information Request Structure.
Action	This is a program error. Inform the owner of the program.

03010006   **Invalid** `INFO-LEVEL`

Explanation	This response is given when a CIS information request includes an invalid `INFO-LEVEL` in the Information Request Structure.
Action	This is a program error. Inform the owner of the program.

03010007   `BLOCK-LENGTH` **too short for** `OBJECT-TYPE`

Explanation	This response is given when a CIS information request includes a too short `BLOCK-LENGTH` for the object specified in `OBJECT-TYPE`.
Action	This is a program error. Inform the owner of the program.

03010008   **User selection must be unique**

Explanation	The user (user ID and token or user ID and physical user ID) selection must be unique.
Action	This is a program error. Inform the owner of the program.

03010009   **Service selection must be unique**

Explanation	The service selection must be unique.
Action	This is a program error. Inform the owner of the program.

03010010	**Topic selection must be unique**
Explanation	The topic selection must be unique.
Action	This is a program error. Inform the owner of the program.

25 Message Class 0302 - Configuring and Controlling Service

The messages have the format:

0302*nnnn*

where 0302   is the message class, and

nnnn   is the message number in the range 0000 - 9999

Messages of class 0302 are caused by the Administration Service or related components. The messages can appear in the log file of the Administration Service.

Messages of class 0302 can result, for example, from `etbsrv` or in programs generated with Command and Information Services IDLs.

03020000	**Administration Service successfully executed**
Explanation	The Administration Service action has completed successfully.
Action	None.

03020001	**Invalid arguments**
Explanation	The Administration Service has detected invalid or missing arguments.
Action	Contact Software AG support.

03020013	**Broker does not exist**
Explanation	The configuration data of the requested broker is missing.
Action	None. This message is for information purposes only.

03020014	**Broker already exists**
Explanation	The configuration data of the requested broker does already exist.
Action	None. This message is for information purposes only.

03020015	**Broker name wrong or missing**
Explanation	The name of the broker is missing or contains illegal chararacter(s).
Action	Repeat the last action with a valid broker name.

03020016	**TCP port duplicate or wrong value**
Explanation	The name of the TCP port is duplicate or is invalid.
Action	Check and correct the arguments of the program call.

03020017	**SSL port duplicate or wrong value**
Explanation	The name of the SSL port is duplicate or is invalid.
Action	Check and correct the arguments of the program call.

03020019	**Missing port number**
Explanation	The port number is missing or is invalid.
Action	Repeat the last action with a valid port number.

03020029	**Not yet implemented**
Explanation	The function that was called has not yet been implemented.
Action	Contact Software AG support.

03020046	**Invalid command**
Explanation	An invalid command was detected.
Action	None. This message is for information purposes only.

03020049	**BROKER-ID wrong or missing**
Explanation	No broker ID or an invalid ID was passed to the Administration Service.
Action	Reenter the Broker ID in the used application; do not use special characters.

03020050	**CIS Information service request failed**
Explanation	A broker CIS information request failed.
Action	If the target broker has started, check its log file. For detailed information, it may be necessary to increase the trace level.

03020053	**Invalid credentials**
Explanation	Invalid credentials were used to access the Administration Service or a specific broker. This message can be given after a change of password.
Action	Log on required in the used application.

03020058	**SSL certificate or key file not found**
Explanation	The SSL certificates could not be found in the EntireX directory *config/etb*.
Action	Create your own SSL certificates and make available in the EntireX directory *config/etb*.

03020063	**Missing attribute file**
Explanation	No suitable attribute file could be found when creating the thread context.
Action	None. This message is for information purposes only.

03020064	**Missing broker API version**
Explanation	The broker API version could not be detected.
Action	None. This message is for information purposes only.

03020068	**Invalid attribute file**
Explanation	The contents of the attribute file are invalid. This error can occur when a broker attribute file is being migrated, or when a broker or service is to be added with command `etbsrv BROKER|SERVICE CREATE <name> <attribute file name>` using an existing attribute file.
Action	Correct the attribute file.

03020073	**Request timeout occurred**
Explanation	A request to start, stop or restart a broker could not be performed within a defined period. This error can occur if a broker process is stopped immediately due to an error in the broker attribute file.
Action	Check the broker log file.

03020075	**Instance "EntireX Broker** *brokerId*" **is not reachable or not running**
Explanation	EntireX Broker is not available or stopped.
Action	Try to start the EntireX Broker.

03020076	**Instance "EntireX RPC Server for** *serverType serverId*" **is not reachable or not running**
Explanation	EntireX RPC Server is not available or stopped.
Action	Try to start The EntireX RPC Server.

03020077	**Administration port number of instance "EntireX RPC Server for** *serverType serverId*" **is invalid**
Explanation	Administration port number of the EntireX RPC Server is empty or invalid.
Action	Open the Command Central server configuration of the RPC Server and insert a valid administration port number.

03020079	**Administration port number** *<port number>* **is invalid. Administration port number is in use for instance** *<InstanceId>*
Explanation	Administration port number is in use for another RPC server instance.
Action	Enter a valid administration port number that is not in use by another RPC server instance.

03020080	**EntireX RPC Server for .NET is only available for Windows operating systems**
Explanation	EntireX RPC Server for .NET is only available for Windows operating systems.
Action	

03020081	**Program rpcserver.exe is not available**
Explanation	Program rpcserver.exe could not be found in the *EntireX/bin* directory.
Action	Check the EntireX installation and make sure that the program rpcserver.exe is available in the *EntireX/bin* directory.

03020082	**\<Function\> not available for this Broker version (Broker version = X.X, requires Broker version Y.Y)**
Explanation	The selected function in Command Central, for example **UOW statistics**, is not available for the Broker connected.
Action	None. This message is for information purposes only.

26 Message Class 0400 - Direct RPC

This message class contains messages that can occur with Direct RPC. The messages have the format:

0400*nnnn*

where 0400 is the message class, and

nnnn is the message number in the range 0000 - 9999

04000001	**Exception during processing call: <exception text>**
Explanation	An unexpected error occurred during processing of a call from an RPC client or server.
Action	Check the exception text for details.

4000002	**Transport session not active**
Explanation	A call happens on an adapter connection although this connection instance is disabled.
Action	Contact Software AG support.

04000003	**Invalid usage of Direct RPC (<class/server/service>)**
Explanation	An RPC client sends a request to an RPC server using Direct RPC. This is not supported.
Action	Change your application setup so that

1. an RPC client sends a request to a Direct RPC listener, or

2. a Direct RPC adapter service sends a request to an RPC server.

04000004   **Invalid register: replicate from different transport (<class/server/service>)**

Explanation   Both a listener and an RPC server try to register using the same
                       `class/server/service` name. This is not supported.

Action   Change your application so that only listeners or RPC servers register for the same
                       `class/server/service` name.

04000005   **Send with wait not possible for servers (<class/server/service>)**

Explanation   An RPC server issues a synchronous send command, which is not supported.

Action   Check your configuration: for example, an ACI server might be using Direct RPC.

04000006   **Send with no wait not possible for clients (<class/server/service>)**

Explanation   An RPC client issues an asynchronous send command, which is not supported.

Action   Check your configuration: for example, an ACI client might be using Direct RPC.

04000007   **Receive not possible for clients (<class/server/service>)**

Explanation   An RPC client issues a receive command, which is not supported.

Action   Check your configuration: for example, an ACI client might be using Direct RPC.

04000008   **Direct RPC not started**

Explanation   An adapter service or a listener issues a call using Direct RPC, but the Direct RPC
                       component is not started.

Action   Start the Direct RPC component, or ignore error if stopping of Direct RPC is intended.

04000009   **Information Service error: <detailed message>**

Explanation   An error occurred while processing an Information Service request.

Action   See error message for details.

04000010   **Command Service error: <detailed message>**

Explanation   An error occurred while processing a Command Service request.

Action   See error message for details.

04000011   **Compression not supported**

Explanation   The compression feature is not supported.

Action   Disable compression (use value `"NO_COMPRESSION"`) on the RPC client or RPC server.

04000012   **Publish and Subscribe not supported**

Explanation   The Publish and Subscribe functionality is not supported.

Action   Change your application.

04000013   **Character set for <character set type> not available**

Explanation   No character set is available for an RPC call.

Action   Contact Software AG support.

04000014   **Encoding LS=<char set name> not supported**

Explanation   The specified character set is not available. Only character sets supported by the Java JVM can be used.

Action   Change the configuration of the RPC client or server.

04000015   **<error message>**

Explanation   An error during character set conversion.

Action   See error message for details.

04000017   **Send with wait not possible for UOWs (<service>)**

Explanation   UOWs can be sent only asynchronously.

Action   Check your configuration: for example, an ACI server might be using Direct RPC.

04000018   **Unable to load/store SCM conversation data: <detailed message>**

Explanation   An error occurred while loading or storing conversation data.

Action   See error message for details.

04000019   **Invalid usage of convid: <detailed message>**

Explanation   A conversation ID has been used in an invalid context.

Action   See error message for details.

04000020	**No listener enabled for <service>**
Explanation	Either no listener exists or is not enabled for the specified service.
Action	Create or enable a listener for this service or use a different service.

04000021	**UOW Processor not available**
Explanation	Commit of a UOW fails.
Action	Contact Software AG.

04001000	**Notification not processed**
Explanation	Processing the notification in the Integration Server fails.
Action	Check the server log for errors.

04001001	**Notification processing cancelled: <detailed message>**
Explanation	Processing the notification in the Integration Server has been cancelled.
Action	See error message for details.

27 Message Class 0800 - webMethods EntireX Adapter for Integration Server

Messages are logged with message class 0800. In the Administrator, section **Settings > Logging** you find the logging settings in the tree for Adapters. See the *webMethods Integration Server Administrator's Guide* for changing the logging settings.

The messages have the format:

0800*nnnn*

where   0800 is the message class, and

      nnnn is the message number in the range 0000 - 9999

08000211	**\<error detail>**
Explanation	An error occurred during the execution of an adapter service. The error message contains a detailed description of the error.
Action	Use error detail to fix.

08000212	**WmEntireX: exception during register: \<exception detail>**
Explanation	An error occurred during REGISTER call. This can happen when an adapter listener starts.
Action	Use exception detail to fix. This is typically a configuration issue.

08000213	**WmEntireX: exception during receive: <exception detail>**
Explanation	An error occurred during `RECEIVE` call in an adapter listener.
Action	Use exception detail to fix.

08000215	**WmEntireX: connection: unknown resourceDomainName: <name>**
Explanation	An internal error occurred.
Action	Contact Software AG support.

08000219	**WmEntireX: connection.receive: unknown server command <actual command>**
Explanation	`<actual command>` was sent to the adapter listener. This is unknown and cannot be handled.
Action	Change command. The only known command is `PING`.

08000220	**WmEntireX: connection.receive: conversational call <actual packet type> rejected**
Explanation	The adapter listener does not support conversational RPC.
Action	Use non-conversational calls.

08000221	**WmEntireX: connection.receive: illegal packet type <actual packet type>**
Explanation	The adapter listener received an illegal packet type.
Action	Change your RPC client to send valid packet types.

08000228	**WmEntireX: exception during resource domain lookup: <exception detail>**
Explanation	An internal error occurred.
Action	Contact Software AG support.

08000229	**WmEntireX: unsupported RPC protocol version: <actual protocol version>**
Explanation	The RPC client is sending an old protocol version that is not supported by the adapter listener.
Action	Update your RPC client.

08000231	**WmEntireX: Asynchronous Listener Notification can only be used with a Reliable RPC Listener Connection**
Explanation	An asynchronous adapter listener notification cannot be used with an RPC Listener connection which is not reliable. This error can only occur if an adapter notification is created manually.
Action	Use a Reliable RPC Listener connection for the adapter notification.

08000234	**WmEntireX: connection.receive: illegal call for Reliable RPC rejected**
Explanation	A reliable RPC listener received a non-reliable call from an RPC client.
Action	Configure the RPC client to use Reliable RPC.

08000236	**WmEntireX: connection.receive: illegal call for non Reliable RPC rejected**
Explanation	An RPC listener received a reliable call from an RPC client.
Action	Configure the RPC client not to use Reliable RPC.

08000250	**WmEntireX: exception in createManagedConnectionObject: <exception detail>**
Explanation	An error occurred when creating an adapter connection. The error message contains a detailed description of the error.
Action	Use exception detail to fix.

08000301	**WmEntireX: exception during listener startup: <exception detail>**
Explanation	An error occurred while starting a listener. The error message contains a detailed description of the error.
Action	Use exception detail to fix.

08000310	**WmEntireX: listener.processNotificationResults error: <error details>**
Explanation	The Integration Server runtime reported an error during notification.
Action	Use exception details to fix.

08000311	**WmEntireX: listener.waitForData (listener for Reliable RPC) error: <exception detail>**
Explanation	An error occurred during processing of an RPC request in a reliable listener. The error message contains a detailed description of the error.
Action	Use exception detail to fix.

08000315	**WmEntireX: invalid userid password combination**
Explanation	A listener is configured to execute the service with client credentials. Either no credentials (user ID and password) were passed in the RPC call or an invalid user ID or password was specified (for example the user does not exist in the Integration Server).
Action	Configure the RPC client to send a valid user ID / password combination.

08000333	**WmEntireX: exception during syncListener.runNotification: <exception details>**
Explanation	The adapter listener trapped into an exception while processing a notification event.
Action	Use exception details to fix.

08000342	**WmEntireX: listener <entry or exit> handler <service name> throws exception <exception detail>**
Explanation	An error occurred in a listener during the call of an entry or exit handler. The error message contains a detailed description of the error.
Action	Use exception detail to fix.

08000343	**WmEntireX: listener <entry or exit> handler <service name> is not a service**
Explanation	Either a service with the given name does not exist or there is an Integration Server object with the same name which is not a service.
Action	Specify a valid entry or exit handler service in the listener configuration.

08000362	**WmEntireX: exception during listener.runAsyncNotification: <exception detail>**
Explanation	An error occurred during the processing of a notification in a reliable listener. The error message contains a detailed description of the error.
Action	Use exception detail to fix.

08000500	**WmEntireX: exception while executing service: <exception detail>**
Explanation	An error occurred during the processing of an adapter service. The error message contains a detailed description of the error.
Action	Use exception detail to fix.

08000603	**Error in transaction handling(<connection id>): <exception detail>**
Explanation	An error occurred in the transactional logic of an adapter service. The error message contains a detailed description of the error.
Action	Use exception detail to fix.

28 Message Class 1000 - RPC C Runtime System

This message class is returned if an error occurred in the RPC C runtime system layer. Messages of this class have the format:

1000*nnnn*

where 1000   is the message class, and

nnnn   is the message number in the range 0000 - 9999.

10000001	**Error**
Explanation	System error.
Action	Check system log to find out which error occurred.

10000002	**Service not implemented**
Explanation	A service call was requested for a platform not implemented.
Action	Contact Software AG support.

10000003	**A non-C file was found**
Explanation	A LoadLibrary has found a module which is not a shared library. This message is useful in CICS/COBOL environment to distinguish between C (shared) libraries and COBOL native programs.
Action	Call as COBOL program.

10000004   **System Services not initialized**

Explanation   Initialize some System Services logic: tracing, error boxes.

Action   Code `SS_INIT()` if above functionalities are required.

10000005   **Resource temporarily unavailable**

Explanation   Indicates system shortage, especially when starting new threads.

Action   Try later or terminate some other task(s), if applicable.

10000006   **Permission denied**

Explanation   1. Windows: System request `WaitForSingleObject()` or `GetExitCodeThread()` failed.

                      2. CICS: `EXEC CICS LOAD PROGRAM(MAPNAME)` failed with `NOTAUTH`.

Action   1. Restart Windows.

                      2. Contact your system administrator.

10000007   **Not enough memory**

Explanation   A system request returned with `ENOMEM` (UNIX).

Action   Try to locate the reason for this shortage and remove it from your system.

10000008   **Thread doesn't exist**

Explanation   A system request returned with `ESRCH` (UNIX) or `CreateThread()`/`GetExitCodeThread()` (Windows) failed.

Action   1. If this error is returned for system requests such as `pthread_create()` or `CreateThread()`, it indicates system shortage. Close unnecessary applications.

                      2. For wait requests such as `pthread_join()` or `GetExitCodeThread()` this indicates that the thread already has terminated.

10000009   **Deadlock detected**

Explanation   A system request has been cancelled with `EDEADLK` (`EDEADLOCK`).

Action   Correct your program logic. If the error is caused by an EntireX RPC server operation, contact Software AG support.

10000010   **Invalid Argument(s) supplied**

Explanation   A system request has been cancelled with `EINVAL` (UNIX) or `INVREQ` (CICS).

Action   Correct your program logic. If the error is caused by an EntireX RPC server operation, contact Software AG support.

10000011   **Thread cancelled**

Explanation   A thread has been cancelled by the operating system.

Action   Check system resources.

10000012   **Interrupted**

Explanation   One of the `pthread_cond_` functions is in `EINTR` condition. This return code normally will be handled in a `DO-WHILE` loop.

Action   Re-issue request.

10000013   **Timeout**

Explanation   A wait for an event finished with a timeout.

Action   None.

10000014   **Unknown error**

Explanation   The RPC Server for CICS returns this code for CICS error codes.

Action   Check the system log for the kind of error.

10000015   **Cannot load shared library**

Explanation   Loading a shared library failed. The library name can be found in accompanying messages.

Action   Check that the shared library is in the server's `PATH`.

10000016   **Cannot load function**

Explanation   A shared library has been found but it did not contain the function name. Library name and function name can be found in accompanying messages.

Action   Check proper shared library in the server's `PATH`.

10000017	**CICS length error**
Explanation	A `CICS LINK` request failed with `CICS RESP LENGERR`.
Action	More detailed information (`RESP`, `RESP2`) will be written to the trace output.

10000018	**Reserved**

10000019	**Invalid arguments supplied**
Explanation	This code is returned by the RPC Server for CICS when `WAIT/POST` functions are failing.
Action	If part of RPC server errors, contact Software AG support.

10000020	**File not found**
Explanation	Loading a file failed. The file name can be found in accompanying messages. This return code will be used by RPC Server for CICS to first test if the file is of type Shared Library or COBOL.
Action	Check if the named file is in the server's DFHRPL steplib.

10000021	**Not authorized**
Explanation	An RPC Server for CICS has tried to start a (user)task with the user ID of the client, but CICS rejected with `USERIDERR`. The client user ID can be found in accompanying messages.
Action	Contact your system administrator.

10000022	**Thread has abended**
Explanation	A user server program under CICS has terminated abnormally. The RPC server will continue to process.
Action	Correct your server program.

10000024	**Process could not be started/does not exist**
Explanation	A request to start a new server process returned with error. This kind of error will occur in environments where a server process can be started from an RPC Online Maintenance Facility tool.
Action	Check to see if a process already exists. Otherwise check system messages.

10000025	**Read from console failed**
Explanation	Input for RPC Online Maintenance Facility tools is not possible. Note: An RPC Online Maintenance Facility is not supported on every platform.
Action	For CICS: Check the `MAPSET` definition for `ERXMAPS`.

10000026	**Write to console failed**
Explanation	Output for the RPC Online Maintenance Facility is not possible. Note: An RPC Online Maintenance Facility is not supported on every platform.
Action	For CICS: Check the `MAPSET` definition for `ERXMAPS`.

10000027	**Shared memory already exists**
Explanation	This message is used internally.
Action	None.

10000029	**Error in DISEI - RC : nnnnnnnn**
Explanation	An error in the RPC Server eventing routines occurred. *nnnnnnnn* contains the return code from a `DISEI` macro.
Action	Contact Software AG support.

10000030	**Error in ENAEI - RC : nnnnnnnn**
Explanation	An error within the RPC Server eventing routines occurred. *nnnnnnnn* contains the return code from an `ENAEI` macro.
Action	Contact Software AG support.

10000031	**Failed to execute worker task**
Explanation	An error occurred while establishing an RPC server worker task. This error messages occurs in conjunction with message 10000032, which will contain a reason code.
Action	See message 10000032.

10000032	**Reason Code : n**
Explanation	Contains the reason code of a previous 10000031 message.
Action	Action depends on the reason code *n*:

1 The SDF variable `ENTERPARM` in S-procedure `START-RPC-SERVER` is not set up. Correct the job control and rerun the job.

2 An error occurred while a `PUTVAR` macro is executed. Contact Software AG support.

3 The SDF variable `ENTERPARM` in S-procedure `START-RPC-SERVER` is not set up correctly. Correct the job control and rerun the job.

4 An error occurred during execution of a `REQM` macro. Contact Software AG support.

5 An error occurred during execution of a `RELM` macro. Contact Software AG support.

6 The SDF variable `ENTERPARM` in S-procedure `START-RPC-SERVER` is not set up correctly. The placeholder `WORKER-PARAMETER` could not be found. Correct the job control and rerun the job.

10000033	**Worker task successfully connected to shared memory**
Explanation	Informational message.
Action	None.

10000034	**SDF variable MAIN-TASK-TSN could not be read - GETVAR RC : nnnnnnnn**
Explanation	An error in macro `GETVAR` occurred. The SDF variable `MAIN-TASK-TSN` in S-procedure `START-RPC-SERVER` could not be read. *nnnnnnnn* contains the `GETVAR` return code.
Action	Make sure that `MAIN-TASK-TSN` is contained in the parameter declaration section of `START-RPC-SERVER`. Correct the job control and rerun the job.

10000035	**Server main task is initializing**
Explanation	Informational message.
Action	None.

10000036	**Server worker task is initializing**
Explanation	Informational message.
Action	None.

10000037	**ENAMP failed while initializing the main task - ENAMP RC : nnnnnnnn**
Explanation	An error within the RPC Server main task initialization routine occurred. *nnnnnnnn* contains the return code from an `ENAMP` macro.
Action	Contact Software AG support.

10000038	**ENAMP failed while connecting the worker task - ENAMP RC : nnnnnnnn**
Explanation	An error within the RPC Server worker task initialization routine occurred. *nnnnnnnn* contains the return code from an `ENAMP` macro.
Action	Contact Software AG support.

10000039	**SDF variable CURRENT-TSN could not be read - GETVAR RC : nnnnnnnn**
Explanation	An error in macro `GETVAR` occurred. The SDF variable `CURRENT-TSN` in S-procedure `START-RPC-SERVER` could not be read. *nnnnnnnn* contains the `GETVAR` return code.
Action	Make sure that `CURRENT-TSN` is set up correctly. Correct the job control and rerun the job.

10000040	**Request memory failed - REQMP RC : nnnnnnnn**
Explanation	An error within the RPC Server initialization routine occurred. *nnnnnnnn* contains the return code from a `REQMP` macro.
Action	Contact Software AG support.

10000041	**Main task shared memory enabled successfully**
Explanation	Informational message.
Action	None.

10000042	**ENAMP failed - invalid pool address**
Explanation	An error within the RPC Server initialization routine occurred.
Action	Contact Software AG support.

10000043	**Error in POSSIG - RC : nnnnnnnn**
Explanation	An error within the RPC Server eventing routines occurred. *nnnnnnnn* contains the return code from a `POSSIG` macro.
Action	Contact Software AG support.

10000044	**Error in SOLSIG - RC : nnnnnnnn**
Explanation	An error within the RPC Server eventing routines occurred. *nnnnnnnn* contains the return code from a `SOLSIG` macro.
Action	Contact Software AG support.

10000045	**Error in DISMP - RC : nnnnnnnn**
Explanation	An error within the RPC Server termination routine occurred. *nnnnnnnn* contains the return code from a `DISMP` macro.
Action	Contact Software AG support.

10000046   **Shared memory disabled**

Explanation	Informational message.
Action	None.

10000047   **Disconnected from shared memory**

Explanation	Informational message.
Action	None.

10000048   **RPC Server task ended**

Explanation	Informational message.
Action	None.

10000049   **Failed to load User Exit**

Explanation	Either the initialization user exit or the termination user exit, specified in the RPC server configuration file, could not be loaded.
Action	Make sure that server parameters `INIT_EXIT` and `TERM_EXIT` are set up correctly and that the library containing the exit(s) has been included into the `BLSLIB` chain of the RPC server startup job control.

10000050   **Call Initialization User Exit**

Explanation	Informational message.
Action	None.

10000051   **Call Termination User Exit**

Explanation	Informational message.
Action	None.

10000052   **SINF failed while retrieving system information - SINF RC : nnnnnnnn**

Explanation	An error within the RPC Server initialization routine occurred. *nnnnnnnn* contains the return code from a `SINF` macro.
Action	Contact Software AG support.

10000053   **View already exists**

Explanation   This message is used internally.

Action   None.

10000054   **Cannot open file**

Explanation   A request to open a file was not successful.

Action   This message is accompanied by other messages. The RPC server could not open a required file, (e.g the server-side mapping container, see *Server-side Mapping Files* in the respective RPC server documentation. The RPC server might stop.

10000055   **CICS Container error**

Explanation   A `CICS PUT/GET CHANNEL` or `STARTBROWS/GETNEXT/ENDBROWSE CONTAINER` request failed.

Action   More detailed information (`RESP`, `RESP2`) will be written to the trace output.

10000056   **Process stop**

Explanation   This message is used internally.

Action   None.

10000057   **Trace synchronization table overflow**

Explanation   Informational message.

Action   None.

10000058   **Fork-child**

Explanation   This message is used internally.

Action   None.

29   Message Class 1001 - RPC Protocol

This class indicates an error occurred in the RPC Protocol. Messages of this class have the format:

1001*nnnn*

where 1001   is the message class, and

    nnnn   is the message number in the range 0000 - 9999.

10010004   **Not enough memory to receive request**

Explanation   The RPC server does not have enough memory to receive the client request.

Action   If your server is a Natural RPC Server, increase the `MAXBUFF` memory parameter.

10010005   **Out of memory**

Explanation   The RPC server is unable to allocate enough memory to fulfill the request.

Action   Increase the memory resources of your RPC server.

10010007   **Internal error [Response <number> from RPC Server]**

Explanation   The RPC server returned an internal error. A more specific error <*number*> may follow.

Action   1. See the trace on the server and/or client side and contact Software AG support.

                           2. See under error <*number*> for an explanation and action to take.

10010008	**Unknown version**
Explanation	This error message is returned in the following situations:

1. The RPC protocol version you requested is not supported by your RPC server.
2. The server command is not known.
3. There is an error in the RPC protocol header.

Action	Depending on the situation above, for

1. If possible, upgrade your RPC server or use only those data types supported by your RPC server in the IDL file.
2. See the trace on the server and/or client side and contact Software AG support.

10010009	**Invalid format buffer**
Explanation	The format buffer within the RPC protocol could not be parsed.
Action	Contact Software AG support.

10010010	**Invalid value buffer**
Explanation	The value buffer within the RPC protocol could not be parsed.
Action	Contact Software AG support.

10010011	**Invalid packet type**
Explanation	The packet type shipped with the RPC protocol is not valid.
Action	Contact Software AG support.

10010012	**Authorization or initialization failed**
Explanation	One of the following occurred on the RPC server side:

1. A Natural RPC Server secured by Natural Security denied access because the Natural RPC Security ticket could not be evaluated correctly or is missing.
2. Initialization of a Natural RPC Server failed.
3. An EntireX RPC Server for z/OS CICS® secured by CICS security denied the user's request.

Action	Depending on the situation described above, check your security configuration on the server side.

10010013	**No match with pattern**
Explanation	Natural RPC Server message.
Action	Contact Software AG support.

10010014	**Wrong Version of SYSRPC**
Explanation	Natural RPC Server message.
Action	Contact Software AG support.

10010015	**Recursive RPC tried**
Explanation	Natural RPC Server message.
Action	Contact Software AG support.

10010016	**Callee not found. [<Software AG IDL File Information>] [<RPC Server Message Appendix>]**
Explanation	The RPC server did not find the target customer server program. This message can be appended optionally by IDL information and an RPC Server Message Appendix, where

`<Software AG IDL File Information>` is either

- `Library=<Library>` see `library-definition` under *Software AG IDL Grammar* in the IDL Editor documentation
  or
- `Library=<Library>, Program=<Program>` see `program-definition` under *Software AG IDL Grammar* in the IDL Editor documentation

`<RPC Server Message Appendix>` depends on the target RPC server, for example:

- **CICS**
  For the RPC Server for CICS (z/OS | z/VSE):
  - `RPC Server: CICS program <program> not found.`

- **COBOL**
  For the RPC Server for Batch (z/OS | BS2000 | z/VSE) if configured for COBOL[1], or *RPC Server for IMS* if configured for COBOL[2], or *RPC Server for Micro Focus*:
  - `RPC Server: COBOL program <program> not found.`

- **PL/I**
  For the RPC Server for Batch (z/OS) if configured for PL/I[1] or *RPC Server for IMS* if configured for PL/I[2]:
  - `RPC Server: PL/I program <program> not found.`

- **Java**

  For the *RPC Server for Java*:

  - `RPC Server: java.lang.ClassNotFoundException: <class>`

  - `RPC Server: Method <method> not found in class <class> (java.lang.NoSuchMethodException: <class>.<method>())`

  - etc.

- **C**

  For the RPC Server for Batch (BS2000) if configured for C[(1)], or *RPC Server for C*:

  - `RPC Server: Library <library> not found.`

  - `RPC Server: Function (Entry Point) <function> not found.`

  - `RPC Server: Interface Object (Library <library> not found.`

  - `RPC Server: Interface Object (Entry Point) <function> not found.`

  - etc.

Action   Depends on the target RPC server:

- **CICS**

  For the RPC Server for CICS (z/OS | z/VSE): see *Locating and Calling the Target Server* in the z/OS | z/VSE RPC Server documentation on how to make the RPC server customer code available.

- **COBOL**

  For the RPC Server for Batch (z/OS | BS2000 | z/VSE) if configured for COBOL[(1)], or *RPC Server for IMS* if configured for COBOL[(2)], or *RPC Server for Micro Focus*: see *Locating and Calling the Target Server* in the z/OS | BS2000 | z/VSE | Micro Focus RPC Server documentation on how to make the RPC server customer code available.

- **PL/I**

  For the RPC Server for Batch (z/OS) if configured for PL/I[(1)], or *RPC Server for IMS* if configured for PL/I[(2)]: see *Locating and Calling the Target Server* in the Batch | IMS RPC Server documentation on how to make the RPC server customer code available.

- **Java**

  The action depends on the `<RPC Server Message Appendix>` returned. See *Generating a Java Server Interface Object* under *Using the Java Wrapper* and `entirex.server.packagename` in the RPC Server for Java documentation for information.

- **C**

  For the RPC Server for Batch (z/OS) if configured for C[(1)], or *RPC Server for C*: the action depends on the `<RPC Server Message Appendix>` returned. See *Locating and Calling the Target Server* in the respective RPC server documentation on how to make the RPC server customer code available.

- etc.

Note:

1. See `marshalling` parameter for the RPC Server for Batch (z/OS | BS2000 | z/VSE).

2. See `marshalling` parameter IMS RPC Server

10010017	**Reserved for internal use**

10010018	**Abnormal termination during program execution. Lib=\<Library\>, Pgm=\<Program\>[,\<Natural Error Info\>]**
Explanation	The stub or the program/method called by the RPC server ended abnormally. This message can be appended by Natural error information:

```
[,(Natural Error Info: Program=<NAT Pgm>,Error=<NAT Error>,
                       Line=<NAT Line>,Status=<NAT ↵
Status>,Level=<NAT Level>)]
<NAT Pgm>      The Natural Program name which caused the error.
<NAT Error>    The Natural Error number.
<NAT Line>     The Line number within the erroneous program which ↵
caused the error.
<NAT Status>   See the Natural documentation.
<NAT Level>    See the Natural documentation.
```

Action	Correct the program/method called by the RPC server.

10010019	**Response from user program out of range**
Explanation	The program/method called by the RPC server can return application errors within the range 1 - 9999. The user error is outside of this range.
Action	Check your program/method called by the RPC server and correct the error.

10010020	**Reserved for internal use**

10010021	**Invalid header**
Explanation	The header within the RPC protocol is invalid.
Action	See the trace on the server and/or client side and contact Software AG support.

10010022	**Unknown server command**
Explanation	The RPC protocol contains an unknown server command.
Action	Contact Software AG support.

10010023	**Stub parameter definition error**
Explanation	The parameter definitions within the stub called by the RPC server are different. This error code is typical if clients send data using an older RPC protocol. The code will be detected by the RPC server to adjust its call information.
Action	When working with the UNIX or Windows RPC server, no action is required if the error message appears just once per call. Multiple appearances indicate a general problem: re-generate your stubs with the template file server.tpl, compile and link them. If the error persists, contact Software AG support.

10010024	**Parameter out of value range**
Explanation	The value range for a parameter is outside the defined range.
	Example:
	An I1 data type is mapped to a 2-byte integer type in a programming language environment where there is no 1-byte integer type. The range is defined in the interface specification, that is, the IDL file. See *Software AG IDL File* in the IDL Editor documentation.
	For I1 it is from -127 to 128. The mapping to a 2-byte integer permits a program to set values less than -127 or greater than 128 which is not allowed for I1.
Action	Check program and correct error.

10010025	**Parameter max len or array bound required**
Explanation	This error message is returned in the following situations:
	1. The RPC server cannot handle variable-length data types such as AV, BV and KV without maximum lengths.
	2. The RPC server cannot handle arrays with variable bounds without maximum upper bounds.
Action	Depending on the situation above, for
	1. Specify maximum values for the variable-length data types in the IDL file. See *Software AG IDL File* in the IDL Editor documentation.
	2. Specify maximum values for the upper bounds of the array in the IDL file.

10010026	**Invalid string buffer**
Explanation	Internal error in the string buffer of the RPC protocol.
Action	Contact Software AG support.

10010027	**Parse error**
Explanation	The RPC server cannot parse the RPC protocol.
Action	Contact Software AG support.

10010028	**Library not found**
Explanation	The RPC server did not find the library or class given in the RPC protocol.
Action	Check your configuration, server programs and stubs and the library name sent by the client.

10010029	**Invalid eyecatcher**
Explanation	The header of the RPC protocol contains an invalid eyecatcher.
Action	Contact Software AG support.

10010030	**Parameter array bounds overflow**
Explanation	An overflow occurs with an unbounded array whose maximum array bounds are determined in the IDL file. See *Software AG IDL File* in the IDL Editor documentation.
Action	Check program and correct error.

10010031	**String buffer item overflow of the RPC protocol**
Explanation	Internal error in string buffer.
Action	Contact Software AG support.

10010032	**Reserved for internal use**

10010033	**Invalid unbounded array**
Explanation	During marshalling/unmarshalling on the server side an error occurred when accessing the unbounded array.
Action	One of the following may apply:

1. The unbounded array was destroyed by your server program. Check the program and correct the error.

2. An internal error occurred in the RPC server. Contact Software AG support.

10010034   **Unbounded array does not match IDL file**

Explanation   The data type and attributes of the unbounded array sent to the server do not match
                   the data type or attributes of the unbounded array within the server stub.

Action   Re-generate, compile and link your server stub using the same IDL file as on the client
                   side.

10010035   **Conversation already open**

Explanation   The client application issues an open conversation RPC request having the conversation
                   already opened.

Action   Contact Software AG support.

10010036   **Conversation already closed**

Explanation   The client application issues a close conversation, close conversation commit or
                   conversational RPC request without having any open conversation.

Action   Contact Software AG support.

10010037   **Non-conv call within open conversation**

Explanation   The client application issues a non-conversational RPC request while having an open
                   conversation.

Action   Contact Software AG support.

10010038   **Reserved for internal use**

10010039   **Error code converted to <encoding>, error code is <error code>**

Explanation   The RPC server does not reply in the correct encoding.

                   ■ <encoding> ASCII when the RPC server answers in ASCII but EBCDIC is expected

                     EBCDIC when the RPC server answers in EBCDIC but ASCII is expected

                   ■ <error code> The error code replied by the Server.

Action   Check that character conversion is correctly configured for the broker. See
                   Internationalization with EntireX.

10010040	**Error code cannot be decoded**
Explanation	The receiver of an RPC message (client or server) is not able to understand (decode) the message. Possible causes:

- character conversion issues
- communicating with an incompatible partner (RPC client to ACI)
- the message is damaged for whatever reason
- etc.

Except for character conversion issues, the broker is not the cause of this error.

Action	- Check that character conversion is correctly configured for the broker and the associated components. See *Internationalization with EntireX*.
	- Check that the server you are communicating with is an RPC server and not, for example, an ACI server.

If the error occurs sporadically, contact Software AG support.

10010041	**Optional parameters not supported by RPC server**
Explanation	The RPC server does not support optional parameters. Optional parameters are supported by a Natural RPC Server. EntireX RPC servers do not support optional parameters.
Action	Contact Software AG support to check whether a newer version of the Natural RPC Server may support the feature.

10010042	**Maximum supported depth for Group levels is \<level\>**
Explanation	The maximum level for groups is 99.
Action	Correct your application.

10010043	**Change Password not supported by RPC server**
Explanation	You tried to use the Change Password feature of the RPC protocol with an RPC server that does not support this feature.
Action	Do not try to change the password with this RPC server.

10010044	**Natural RPC client interface object required**
Explanation	The IDL you are using contains features which require a Natural client interface object.
Action	Generate a Natural client interface object out of the *Software AG IDL File* in the IDL Editor documentation and use it with the RPC client. See *Using the Natural Wrapper for the Client Side* in the Natural Wrapper documentation.

10010045	**CICS ABEND <myabend> was issued**
Explanation	This error indicates an application error code. Application error codes enable the RPC server to return customer-invented errors back to the RPC client in a standardized way without defining an error code field in the IDL.
	Here the RPC Server for CICS received a CICS `ABEND` code forced by the application server program using the `EXEC CICS ABEND ABCODE(`*myabend*`)`. The `ABEND` starts with a letter other than "A" and follows the rules for CICS user `ABEND` codes. The `ABEND` code (*myabend*) can be used in the RPC client to gain information about specific application error situations of the server.
	For more information see *Returning Application Errors* in the RPC Server for CICS documentation.
Action	The error code can be used in RPC clients to test for specific application error codes.

10010046	**Inconsistent RPC request or Reliable RPC message**
Explanation	The string buffer item "REL" shipped with the RPC protocol is not valid with RPC request.
Action	Contact Software AG support.

10010047	**Invalid value area**
Explanation	The value area in the server mapping file could not be parsed. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL*.
Action	Contact Software AG support.

10010048	**Inconsistent Reliable RPC message**
Explanation	The string buffer item "REL" is missing or invalid.
Action	Contact Software AG support.

10010049	**Invalid packet type for Reliable RPC**
Explanation	The packet type shipped with the RPC protocol is not valid for the use of reliable RPC. The string buffer item "REL" is not valid for the packet type.
Action	Contact Software AG support.

10010050	**Illegal parameter direction**
Explanation	Reliable RPC allows only IDL direction `IN` parameters.
Action	Update your IDL, i.e. remove any `OUT` and `INOUT` parameters, possibly re-generate your interface object and/or update your application, then retry the RPC call.

10010051	**RPC request aborted by application program**
Explanation	The RPC client communicates with an RPC Server for CICS. The RPC server programmer used `EXEC CICS ABEND CANCEL` together with `RPCUEX01` to abort the RPC server customer code. See *Using `EXEC CICS ABEND CANCEL`* under *Returning Application Errors* in the RPC Server for CICS documentation.
Action	This is an informational message. How the program continues depends on the application.

10010052	**Server mapping not supported by RPC server [Library <library>, program <program>.]**
Explanation	The RPC server does not support client-side server mapping files (Designer files with extension .cvm), see *Server Mapping Files for COBOL*). A wrong RPC server was used to execute the RPC request. For <library> see `library-definition` under *Software AG IDL Grammar* in the IDL Editor documentation and for <program> see `program-definition` under *Software AG IDL Grammar* in the IDL Editor documentation. The following RPC servers support client-side server mapping files:
	■ COBOL RPC servers: *RPC Server for CICS* (z/OS, z/VSE)	*RPC Server for Batch* (z/OS, z/VSE, BS2000)	*RPC Server for IMS*	*RPC Server for Micro Focus*	*RPC Server for CICS ECI*	*RPC Server for AS/400*	*RPC Server for IMS Connect*.
	■ Natural RPC server.
Action	Use an RPC server that supports client-side server mapping files.

10010053	**Programming language <language> in server mapping not supported by RPC server. [Library <library>, program <program>.]**
Explanation	The RPC server does not support the programming language (Natural, COBOL etc.) in the server mapping file (Designer files with extension .svm or .cvm). For <library> see `library-definition` under *Software AG IDL Grammar* in the IDL Editor documentation and for <program> see `program-definition` under *Software AG IDL Grammar* in the IDL Editor documentation. One of the following situations occurred:
	1. At design time with the Designer, a server mapping file containing COBOL mapping was created with COBOL plug-in IDL Extractor for COBOL or COBOL Wrapper (Generate RPC Server). See also *Server Mapping Files for COBOL* in the Designer documentation. At runtime, however, the RPC server used was not a COBOL RPC server.
	2. At design time with the Designer, a server mapping file containing Natural mapping was created with Natural plug-in IDL Extractor for Natural or Natural Wrapper

(Generate RPC Server). See also *Server Mapping Files for Natural* in the Designer documentation.

At runtime, however, the RPC server used was not a Natural RPC server.

Action

■ For situation 1, use one of the following COBOL RPC servers: *RPC Server for CICS (z/OS, z/VSE)* | *RPC Server for Batch (z/OS, z/VSE, BS2000)* | *RPC Server for IMS* | *RPC Server for Micro Focus* | *RPC Server for CICS ECI* | *RPC Server for AS/400* | *RPC Server for IMS Connect*.

■ For situation 2, use a Natural RPC server.

10010054

Interface type <interface-type> in server mapping not supported by RPC server. [Library <library>, program <program>.]

Explanation

The interface type in the server mapping (Batch, DFHCOMMAREA, IMS MPP (IMS Connect) etc.) is not supported by the EntireX Adapter or RPC server and/or the platform the RPC server is running on. For <library> see `library-definition` under *Software AG IDL Grammar* in the IDL Editor documentation and for <program> see `program-definition` under *Software AG IDL Grammar* in the IDL Editor documentation.

At design time with the Designer, a server mapping file (Designer file with extension .svm or .cvm) for COBOL with a specific interface type was created with a COBOL plug-in: IDL Extractor for COBOL or COBOL Wrapper (Generate RPC Server).

To call your server program successfully, the target RPC runtime component used must support the interface type. The table below gives an overview of possible combinations of an interface type and RPC server.

| Interface Type of your Server Program | z/OS | | | UNIX/Windows | | | | IBM i | BS2000 | z/VSE | |
	CICS	Batch	IMS	CICS ECI	CICS Socket Listener	Micro Focus	IMS Connect	AS/400	Batch	CICS	Batch
CICS with `DFHCOMMAREA` Calling Convention	x			x	x					x	
CICS with `DFHCOMMAREA` Large Buffer Interface	x				x					x	
CICS with Channel Container Calling Convention	x				x						

Interface Type of your Server Program	z/OS			UNIX/Windows				IBM i	BS2000	z/VSE	
	CICS	Batch	IMS	CICS ECI	CICS Socket Listener	Micro Focus	IMS Connect	AS/400	Batch	CICS	Batch
Batch with Standard Linkage Calling Convention		x	x					x	x		x
Micro Focus with Standard Linkage Calling Convention						x					
IMS BMP with Standard Linkage Calling Convention			x								
IMS MPP Message Interface (IMS Connect)							x				
COBOL Converter											

Action   Probably a user error. For example, a CICS interface type was used with an RPC Server for Batch.

10010055   **Sent IDL type N/NU/P/PU too long, RPC server supports <number-of-digits> digits max**

Explanation   The length of a numeric IDL type, one of N/NU/P/PU sent by the RPC client is too long for the target programming language and environment where the RPC server is running.

Action   Update your IDL. Re-generate your interface object and/or update your application, then retry the RPC call.

10010056	**Configuration issue: For program <program> library <library> the RPC server has a server-side mapping and received a conflicting client-side mapping from the RPC client**
Explanation	The RPC client sent a client-side mapping file (Designer file with extension .cvm), but a server-side mapping file (.svm) also still exists in the server mapping container for <library> see `library-definition` under *Software AG IDL Grammar* in the IDL Editor documentation and for <program> see `program-definition` under *Software AG IDL Grammar* in the IDL Editor documentation. See *Server-side Mapping Files* in the respective RPC server documentation. Usage of server mapping files is mutually exclusive: use either client-side or server-side mapping files. See *Server Mapping Files for COBOL*.
Action	If you migrate server-side mapping files to client side mapping files, you may have forgotten *Step 2: Remove the Server-side Mapping Files on Target RPC Server*. See *Migrating Server Mapping Files* under *Server Mapping Files for COBOL* in the Designer documentation.

10010057	**Version mismatch: For program <program> (library <library>) the RPC server found the unsupported version <svm-version> in the server mapping**
Explanation	The server mapping for the IDL library and IDL program contained a server mapping version not supported by the RPC server. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL*.
Action	Contact Software AG support for RPC server upgrade.

10010150	**Format Buffer Check: direction does not match. Request of IDL field (<type-length>), location=<location>**
Explanation	The EntireX RPC server detected an inconsistency between the deployed server-side mapping (see *Server-side Mapping* under *Server Mapping Files for COBOL* in the Designer documentation) and the IDL file with which the RPC client was built. The `direction-attribute` (`IN`, `OUT`, `INOUT`) of a parameter (see `attribute-list` under *Software AG IDL Grammar* in the IDL Editor documentation) defined in the IDL file is different to the `direction-attribute` in the related server-side mapping.

Possible causes:

■ You are calling an existing COBOL server and have reextracted the IDL and server-side mapping without redeploying the server-side mapping file. See Scenario *Calling an Existing COBOL Server* in the respective RPC server documentation, and *Server Mapping Deployment Wizard* in the Designer documentation.

■ You are writing a new COBOL server and have rebuilt the RPC server with a modified IDL file using the COBOL Wrapper, which updates the server-side mapping file, but the updated server-side mapping file is not redeployed. See Scenario *Writing a New COBOL Server* in the respective RPC server documentation, and and *Server Mapping Deployment Wizard* in the Designer documentation.

■ etc. |

The message provides additional information such as `<type-length>` and `<location>`, where

- `<type-length>` matches the IDL data type; see *IDL Data Types*

- `<location>` contains the hierarchy of IDL nodes, separated by a colon

Example: `IDL field (NU14.0), location=3.2.1.`

The IDL below was used for the RPC call. The location is interpreted as follows: Third field on level 1 is '`G-parameter-3-on-level-1`'; then second parameter on level 2 is the array '`G-parameter-32-on-level-2`'; then the first field on level 3 which is '`G-parameter-322-on-level-3`' produced the error.

```
. . .
define data parameter
1 G-parameter-1-on-level-1       (A10) In
1 G-parameter-2-on-level-1             In
1 G-parameter-3-on-level-1             Out
   2 G-parameter-31-on-level-2
      3 G-parameter-311-on-level-3 (A5)
      3 G-parameter-312-on-level-3 (N8)
      3 G-parameter-313-on-level-3 (NU4)
   2 G-parameter-32-on-level-2    (/25)
      3 G-parameter-322-on-level-3 (NU14)
      3 G-parameter-321-on-level-3 (A5)
1 G-parameter-4-on-level-1       (A64)
. . .
end-define
```

Action   Make sure the IDL file and the deployed server-side mapping file are consistent. Possibly redeploy the server-side mapping file, see *Deploying Server-side Mapping Files* in the respective RPC server documentation. If the problem persists, reextract or rewrap and then redeploy.

10010151   **Format Buffer Check: data type does not match. Request of IDL field (<type-length>), location=<location>**

Explanation   The EntireX RPC server detected an inconsistency between the deployed server-side mapping (see *Server-side Mapping* under *Server Mapping Files for COBOL* in the Designer documentation) and the IDL file with which the RPC client was built. The sequence of IDL data types (see *IDL Data Types* in the IDL Editor documentation) defined in the IDL file is different to the sequence in the related server-side mapping. See error message 10010150 for possible causes of this situation and additional information for `<type-length>` and `<location>`.

Action   Make sure the IDL file and the deployed server-side mapping file are consistent. Possibly redeploy the server-side mapping file, see *Deploying Server-side Mapping Files* in the respective RPC server documentation. If the problem persists, reextract or rewrap and then redeploy.

10010152	**Format Buffer Check: length is not equal. Request of IDL field (<type-length>), location=<location>**
Explanation	The EntireX RPC server detected an inconsistency between the deployed server-side mapping (see *Server-side Mapping* under *Server Mapping Files for COBOL* in the Designer documentation) and the IDL file with which the RPC client was built. The length definition of a parameter (see `simple-parameter-definition` under *Software AG IDL Grammar* in the IDL Editor documentation) defined in the IDL file is different to the length definition in the related server-side mapping. See error message 10010150 for possible causes of this situation and additional information for `<type-length>` and `<location>`.
Action	Make sure the IDL file and the deployed server-side mapping file are consistent. Possibly redeploy the server-side mapping file, see *Deploying Server-side Mapping Files* in the respective RPC server documentation. If the problem persists, reextract or rewrap and then redeploy.

10010153	**Format Buffer Check: attributes not matching. Request of IDL field (<type-length>), location=<location>**
Explanation	The EntireX RPC server detected an inconsistency between the deployed server-side mapping (see *Server-side Mapping* under *Server Mapping Files for COBOL* in the Designer documentation) and the IDL file with which the RPC client was built. The attributes of a parameter (see `attribute-list` under *Software AG IDL Grammar* in the IDL Editor documentation) defined in the IDL file are different to the attributes in the related server-side mapping. See error message 10010150 for possible causes of this situation and additional information for `<type-length>` and `<location>`.
Action	Make sure the IDL file and the deployed server-side mapping file are consistent. Possibly redeploy the server-side mapping file, see *Deploying Server-side Mapping Files* in the respective RPC server documentation. If the problem persists, reextract or rewrap and then redeploy.

10010154	**Format Buffer Check: indices not matching. Request of IDL field (<type-length>), location=<location>**
Explanation	The EntireX RPC server detected an inconsistency between the deployed server-side mapping (see *Server-side Mapping* under *Server Mapping Files for COBOL* in the Designer documentation) and the IDL file with which the RPC client was built. Either the number of dimensions (one-, two- three-dimensional) or the upper bounds (see `array-definition` under *Software AG IDL Grammar* in the IDL Editor documentation) do not match. See error message 10010150 for possible causes of this situation and additional information for `<type-length>` and `<location>`.
Action	Make sure the IDL file and the deployed server-side mapping file are consistent. Possibly redeploy the server-side mapping file, see *Deploying Server-side Mapping Files* in the respective RPC server documentation. If the problem persists, reextract or rewrap and then redeploy.

10010200	**RPC Parameter Error: data not unsigned numeric. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter cannot be processed because its content does not match the expected format unsigned numeric (NU). See *IDL Data Types*.

The message provides additional information such as `<direction>`, `<parameter-name>`, `<type-length>` and `<location>`, where

- `<direction>` is either `'Request'` if the error was detected before the RPC server was executed, or `'Reply'` for the answer, i.e. if the RPC server was already executed.

- `<parameter-name>` is available for target programming language C only

- `<type-length>` matches the IDL data type; see *IDL Data Types*

- `<location>` contains the hierarchy of IDL nodes, separated by a colon. If an IDL node is an array, its indexes are given in parentheses.

Example: `Reply of IDL field (NU14.0), location=3.2(I=5).1.`

The IDL below was used for the RPC call. The location is interpreted as follows: Third field on level 1 is `'G-parameter-3-on-level-1'`; then second parameter on level 2 is the array `'G-parameter-32-on-level-2'` and (I=5) means the fifth occurrence; then the first field on level 3 which is `'G-parameter-322-on-level-3'` produced the error.

```
. . .
define data parameter
1 G-parameter-1-on-level-1        (A10) In
1 G-parameter-2-on-level-1              In
1 G-parameter-3-on-level-1              Out
  2 G-parameter-31-on-level-2
      3 G-parameter-311-on-level-3 (A5)
      3 G-parameter-312-on-level-3 (N8)
      3 G-parameter-313-on-level-3 (NU4)
  2 G-parameter-32-on-level-2    (/25)
      3 G-parameter-322-on-level-3 (NU14)
      3 G-parameter-321-on-level-3 (A5)
1 G-parameter-4-on-level-1      (A64)
. . .
end-define
```

Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010201	**RPC Parameter Error: data not signed numeric. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter cannot be processed because its content does not match the expected format signed numeric (N). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010202	**RPC Parameter Error: data not numeric. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter cannot be processed because its content does not match the expected format unsigned numeric (NU) or signed numeric (N). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010203	**RPC Parameter Error: data not unsigned packed. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter cannot be processed because its content does not match the expected format unsigned packed (PU). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010204	**RPC Parameter Error: data not signed packed. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**
Explanation	An application parameter cannot be processed because its content does not match the expected format signed packed (P). See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010205	**RPC Parameter Error: data not packed. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation	An application parameter cannot be processed because its content does not match the expected format unsigned packed (PU) or signed packed (P). See *IDL Data Types*.

The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.

Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010206	**RPC Parameter Error: I1 < MIN. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation	An application parameter of IDL type I1 cannot be processed because its content is less than the allowed minimum (-128) for I1. See *IDL Data Types*.

The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.

Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010207	**RPC Parameter Error: I1 > MAX. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation	An application parameter of IDL type I1 cannot be processed because its content is greater than the allowed maximum (+127) for I1. See *IDL Data Types*.

The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.

Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010208	**RPC Parameter Error: I2 < MIN. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation	An application parameter of IDL type I2 cannot be processed because its content is less than the allowed minimum (-32768) for I2. See *IDL Data Types*.

The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.

Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010209   **RPC Parameter Error: I2 > MAX. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation   An application parameter of IDL type I2 cannot be processed because its content is greater than the allowed maximum (+32767) for I2. See *IDL Data Types*.

                        The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.

Action   Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010210   **RPC Parameter Error: I4 < MIN. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation   An application parameter of IDL type I4 cannot be processed because its content is less than the allowed minimum (-2147483648) for I4. See *IDL Data Types*.

                        The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.

Action   Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010211   **RPC Parameter Error: I4 > MAX. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation   An application parameter of IDL type I2 cannot be processed because its content is greater than the allowed maximum (+2147483647) for I2. See *IDL Data Types*.

                        The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.

Action   Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010212   **RPC Parameter Error: float < MIN. <direction> of IDL field [<parameter-name>] (<type-length>), location=<location>**

Explanation   An application parameter of IDL type F4 cannot be processed because its content is less than the allowed minimum (1.175494351e-38F) for F4. See *IDL Data Types*.

                        The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.

Action   Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010213	**RPC Parameter Error: float > MAX. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F4 cannot be processed because its content is greater than the allowed maximum (3.402823466e+38F) for F4. See *IDL Data Types*. The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010215	**RPC Parameter Error: float HUGE_VAL. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F4 cannot be processed because of conversation error HUGE_VAL (see C library strtod() for more information). The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010216	**RPC Parameter Error: double < MIN. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F8 cannot be processed because its content is less than the allowed minimum (2.2250738585072014e-308) for F8. See *IDL Data Types*. The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010217	**RPC Parameter Error: double > MAX. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F8 cannot be processed because its content is greater than the allowed maximum (1.7976931348623158e+308) for F8. See *IDL Data Types*. The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010218	**RPC Parameter Error: double exponent over-, underflow. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type F4 or F8 cannot be processed because of exponent over- or underflow. See *IDL Data Types*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010219	**RPC Parameter Error: bad vdata provided. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An application parameter of IDL type AV, BV, KV or UV cannot be processed because incorrect data was applied, see *Using Variable-length Data Types AV, BV, KV and UV*.
	The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10010220	**RPC Parameter Error: bounds exceeds maximum. \<direction\> of IDL field [\<parameter-name\>] (\<type-length\>), location=\<location\>**
Explanation	An index of an application parameter for an IDL unbounded-array (see `array-definition` under *Software AG IDL Grammar* in the IDL Editor documentation) cannot be processed because its value exceeds the maximum for upper bound The additional information `<direction>`, `<parameter-name>`, `<type-length>` and `<location>` is explained under error message 10010200.
Action	Make sure the IDL file and, if it exists, the server-side mapping file and your server application are consistent. See *Server Mapping Files for COBOL* in the Designer documentation. Check your application for parameter integrity.

10012000	**Reserved for internal use**

10012048	**Reserved for internal use**

10012049   **Reserved for internal use**

10012050   **Reserved for internal use**

30 Message Class 1002 - User-definable Server

The messages have the format:

1002*nnnn*

where 1002 is the message class, and
      nnnn is the message number in the range 0000 - 9999.

Error messages in class 1002 are reserved for customer use. The messages are given by customer RPC server implementations. See for example *Returning Application Errors*.

31 Message Class 1003 - Conversion

This message class is returned if an error has occurred within Conversion. The messages have the format:

1003*nnnn*

where 1003   is the message class, and

   nnnn   is the message number in the range 0000 - 9999.

10030001	**Error *number* returned by RPCTRANS**
Explanation	The error indicated by *number* has occurred within an internal conversion routine.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030002	**Buffer too small. Requires *length* bytes**
Explanation	The length of the receive buffer given by the receiver is too small. Depending on the version of EntireX Broker, EntireX and Natural components in use:

■ The situation is handled inside the EntireX Broker, that is, conversion is called a second time by the EntireX Broker with a buffer that is large enough.

■ The EntireX Broker passes this error as error 00200377 to the client or server.

Action	The error can be ignored. See error 00200377 for more information if the EntireX Broker passes 00200377 to the client or server.

10030003	**No Input Buffer Length**
Explanation	An error has occurred in the interface between EntireX Broker kernel and the conversion routine.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030004	**No Input Buffer**
Explanation	An error has occurred in the interface between EntireX Broker kernel and the conversion routine.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030005	**No Output Buffer Length**
Explanation	An error has occurred in the interface between EntireX Broker kernel and the conversion routine.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030006	**No Output Buffer**
Explanation	An error has occurred in the interface between EntireX Broker kernel and the conversion routine.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030007	**Internal Error**
Explanation	An internal error has occurred inside the conversion routine.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030008	**Error *number* returned by ECS initialize**
Explanation	Error *number* has occurred during ECS initialization.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030009	**Error *number* returned by ECS conversion**
Explanation	Error *number* has occurred during ECS conversion.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030010	**Error converting binary/numeric fields**
Explanation	The length of the data (of numeric and binary data types such as Nm.n, Pm.n, NUm.n, PUm.n, L, B, F4, F8, I1, I2, I4, D, T) contained in an IDL parameter has increased/decreased, but the data must keep its length when converted.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030011	**No free entries in preallocated list**
Explanation	An internal error occurred in the conversion routine.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030012	**Out of Memory**
Explanation	The conversion routine is out of memory.
Action	Try the following:

■ Increase the memory resources available for EntireX Broker.

■ If the error persists:

   Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030013	**RPC Protocol Version error**
Explanation	An invalid RPC payload was sent. The conversion routine detected an inconsistent RPC protocol.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030014	**RPC Protocol Version not supported**
Explanation	The RPC protocol is not supported by the conversion routine.
Action	Try the following:

- Check if an older version of the EntireX Broker and/or conversion routine is in effect.

- Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute CONVERSION.

- If the error persists:

  Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030015	**RPC Protocol Compression 1 not supported**
Explanation	The conversion routine supports "RPC compression 2" and "no RPC compression". "RPC compression 1" is not supported.
Action	Try the following:

- Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute CONVERSION.

- Do not use "RPC compression 1" when RPC conversion SAGTRPC is involved. Use "RPC compression 2" in your RPC client.

- If the error persists:

  Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030016	**RPC protocol error parsing format buffer**
Explanation	The RPC protocol sent by the client or server is invalid.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030017	**Digit/Character not found**
Explanation	The RPC protocol sent by the client or server is invalid.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030018	**Unexpected end During Scan**
Explanation	The RPC protocol sent by the client or server is invalid.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030019	**Codepage attribute has bad format**
Explanation	An internal error occurred.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030020	**Codepage attribute contains no data**
Explanation	An internal error occurred.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030021	**Some chars inconvertible to target CP**
Explanation	Some of the characters to be converted have no equivalent in the target ICU converter.
Action	Try the following:

- Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute `CONVERSION`.

- Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.

- If possible for the scenario, you can replace the inconvertible characters with a codepage-dependent substitution character. See *OPTION Values for Conversion*.

- If the error persists:

  Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030022	**Chars to convert undefined in source CP**
Explanation	Some of the characters to be converted are not defined in the source ICU converter of the sender. The payload and the ICU converter of the sender do not match.
Action	Try the following:

- Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute `CONVERSION`.

- Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.

- If possible for the scenario, you can replace the inconvertible characters with a codepage-dependent substitution character. See *OPTION Values for Conversion*.

- If the error persists:

  Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030023	**Internal attribute table overflow**
Explanation	An internal table overflow occurred.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030024	**Error *error* returned by ECS free handle**
Explanation	An internal error occurred.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030025	**Error *error* returned by ECS get handle**
Explanation	An internal error occurred.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030026	**Error *error* returned by ECS get attributes**
Explanation	An internal error occurred.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030027	**Error *error* from user exit out of range**
Explanation	The valid range of errors returned by the SAGTRPC user exit is 1-9999. For more information see *Writing SAGTRPC User Exits* under *Configuring Broker for Internationalization* in the platform-specific Administration documentation.
Action	Check your SAGTRPC user exit and correct the error.

10030028   **String Buffer missing**

Explanation   An invalid RPC payload was sent. A string buffer is required for the RPC protocol but could not be detected.

Action   Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030029   **Format Buffer missing**

Explanation   An invalid RPC payload was sent. A format buffer is required for the RPC protocol but could not be detected.

Action   Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030030   **Attribute end tag missing**

Explanation   An invalid RPC payload was sent. An attribute start tag was detected but the corresponding end tag is missing.

Action   Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030031   **Attribute error**

Explanation   An invalid RPC payload was sent. An invalid attribute was detected.

Action   Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030032   **Value Buffer parse error**

Explanation   An invalid RPC payload was sent. This error occurs in the following situations:

1. An unexpected end of the value buffer occurred.

2. The indices of an unbounded array cannot be parsed correctly.

Action   Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030033   **Error update addresses/length in header**

Explanation   An error occurred when updating new offsets and length in the RPC protocol header after decrease/increase of buffers.

Action   Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030034   **Output Buffer overflow**

Explanation   This is an internal message.

Action   Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030035   **Format Buffer length change occurred**

Explanation   During conversion the format buffer has increased or decreased, but the format buffer must keep its length when converted.

Action   Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030036   **String Buffer parse error**

Explanation   An invalid RPC payload was sent. An unexpected end of the string buffer occurred.

Action   Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030037   **Delimiter missing**

Explanation   An invalid RPC payload was sent. The delimiter between keyword and value in the string buffer is missing.

Action   Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030038   **Variable Length Data parse error**

Explanation   An invalid RPC payload was sent. This error occurs in the following situations:

1. An unexpected end of the value buffer occurred.

2. An error occurred when parsing the value buffer for the actual length of AV, BV and KV data types.

Action   Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030039   **Group end without corresponding start**

Explanation   An invalid RPC payload was sent. A group end was detected without a group start tag.

Action   Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030040	**Group end missing**
Explanation	An invalid RPC payload was sent. A group was detected without a corresponding group end.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030041	**No Group start tag**
Explanation	An invalid payload was sent. A group was detected with an invalid group start indicator.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030042	**Error *number* returned by ECS create binding**
Explanation	The error indicated by *number* has occurred during ECS binding of codepages.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030043	**DBCS Space missing for modal codepage**
Explanation	For an EBCDIC stateful codepage (encoded with escape technique, that is, SI/SO bytes) there is no DBCS space defined.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030044	**K or KV Field must have even length**
Explanation	If IDL K fields are used with EBCDIC stateful codepages (encoded with escape technique, that is, SI/SO bytes) the fields must have even length. For more information see *EBCDIC Stateful Codepages*.
Action	Try the following:

- For fixed-length IDL K fields, define the field in your IDL with even length. For variable-length KV fields, make sure to send your data with even length. For more information see *IDL Data Types*.

- If the error persists:

  Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030045	**DBCS Space less or more than 2 bytes**
Explanation	The length of DBCS space is not as expected.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030046	**Single Space more than 1 byte**
Explanation	The length of space is not as expected.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030047	**Space missing for codepage**
Explanation	There is no space defined.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030048	**SAGTRPC Load error** *number*
Explanation	The error indicated by *number* has occurred during load of the conversion routine by your SAGTRPC user exit. For *number* refer to your operating system documentation.
Action	Where applicable check the following possibilities:

- Under UNIX and Windows, check that the link step of SAGTRPC user exit is correct and all required libraries are linked to your SAGTRPC user exit.

  See *Writing SAGTRPC User Exits* under *Configuring Broker for Internationalization* in the platform-specific Administration documentation.

- Under UNIX, check that *libsagtrpc.so* is accessible by the broker. If it is not accessible, reinstall EntireX.

- Under Windows, check that *libsagtrpc.dll* is accessible by the broker. If it is not accessible, reinstall EntireX.

- Under all other operating systems and if the error persists:

  Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030049	**User exit missing**
Explanation	Internal error.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030050	**Invalid Conversion Method**
Explanation	Internal error.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030051	**Invalid Trap Function**
Explanation	Internal error.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030052	**Invalid Direction**
Explanation	Internal error.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030053	**ICU Error *error* occurred**
Explanation	The error indicated by *error* has occurred during execution of an ICU function. Possible errors are:
	`U_FILE_ACCESS_ERROR` - This error indicates a missing ICU converter or a missing mapping from ICU alias name to the real ICU converter name. The ICU converter can be accessed with any name (alias name or real name).
Action	Depending on the error situation:

- `U_FILE_ACCESS_ERROR` - Examine the broker's trace for the name used to locate the ICU converter. For information on available ICU converters and their alias names, see *ICU Converter Explorer*. There are the following possibilities:

  - If the client or server component uses a valid codepage for its environment but sends a name which is not a valid ICU alias, you can define an ICU alias to ICU Converter name mapping in the EntireX Broker attribute file. See *Codepage-specific Attributes*.

  - Reconfigure the client or server component to use a codepage valid in its own environment and available as an ICU converter. See *ICU Conversion*.

- For all other errors:

  Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030054	**SAGTRPC Get EP error** *number*
Explanation	The error indicated by *number* has occurred during load of the conversion routine by your SAGTRPC user exit. For *number* refer to your operating system documentation.
Action	Contact Software AG support.

10030055	**Option conflicts with Method**
Explanation	The option defined with the service-specific attribute CONVERSION cannot be used together with the defined conversion.
Action	Define an option supported by the defined conversion. See *OPTION Values for Conversion*.

10030056	**Padding occurred for K field and modal CP**
Explanation	Internal error.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030057	**Invalid Unicode Byte Sequence**
Explanation	An invalid RPC payload was sent. The sender's data was not correctly converted to the intermediate Unicode encoding of the RPC protocol.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030058	**SAGTRPC ICU Wrapper Load error** *number*
Explanation	The error indicated by *number* has occurred during load of a module required by the conversion. For *number* refer to your operating system documentation.
Action	Where applicable, check the following possibilities:

- Under z/OS, check that EXXICU is accessible by the broker. If it is not accessible, reinstall EntireX.

- Under UNIX, check that *libsagtrpcicu.so* is accessible by the broker. If it is not accessible, reinstall EntireX.

- Under Windows, check that *sagtrpcicu.dll* is accessible by the broker. If it is not accessible, reinstall EntireX.

If the error persists:

Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

If your EntireX Broker is running under z/OS, also provide the module report. Refer to `DDNAME ETBMREP` under *Step 2: Edit the Broker Startup Procedure* in the z/OS installation documentation.

10030059	**SAGTRPC ICU Wrapper Get EP error** *number*
Explanation	The error indicated by *number* has occurred during load of a module required by the conversion. For *number* refer to your operating system.
Action	Where applicable, check the following possibilities:

■ Under z/OS, check that `EXXICU` is accessible by the broker. If it is not accessible, reinstall EntireX.

■ Under UNIX, check that *libsagtrpcicu.so* is accessible by the broker. If it is not accessible, reinstall EntireX.

■ Under Windows, check that *sagtrpcicu.dll* is accessible by the broker. If it is not accessible, reinstall EntireX.

If the error persists:

Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

If your EntireX Broker is running under z/OS, also provide the module report. Refer to `DDNAME ETBMREP` under *Step 2: Edit the Broker Startup Procedure* in the z/OS installation documentation.

10030060	**Unconvertible Chars in B,I,D,.. Field**
Explanation	Unconvertible characters were detected in RPC binary, integer or date fields. The ICU converter used by the receiver does not support characters required by the RPC protocol. The ICU converter of the receiver cannot be used with RPC calls.
Action	Try the following:

■ Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute `CONVERSION`.

■ Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.

■ If the error persists:

Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030061	**Unconvertible Chars in Metadata**
Explanation	Unconvertible characters were detected in RPC metadata. The ICU converter used by the receiver does not support characters required by the RPC protocol. The ICU converter of the receiver cannot be used with RPC calls.
Action	Try the following:

- Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute `CONVERSION`.

- Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.

- If the error persists:

  Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030062	**Invalid Source Chars in B,I,D,.. Field**
Explanation	An invalid RPC payload was sent. Invalid characters where detected in IDL binary, integer or date fields of the sender. The payload and the ICU converter of the sender do not match or the payload that was sent is not a valid RPC protocol.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030063	**Invalid Source Chars in Metadata**
Explanation	An invalid RPC payload was sent. Invalid characters were detected in RPC metadata of the sender. The payload and the ICU converter of the sender do not match, or the payload that was sent is not a valid RPC protocol.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030064	**Substitution character length error**
Explanation	Internal error.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030065	Error *error* returned by ICU free handle
Explanation	Closing an ICU handle returned an error.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030066	Bad access to memory
Explanation	An internal error occurred.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030067	No support for ECS
Explanation	ECS Conversion is no longer supported.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030068	Length changed during uppercase conversion
Explanation	For the Hebrew codepage CP803, lowercase metadata is converted to uppercase. An error occurred during this. For more information see *Hebrew Codepage 803*.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030069	Missing Unicode character *char* in target ICU Converter *converter*
Explanation	The payload of the sender could not be converted to the encoding of the receiver. The given Unicode character is not contained in the ICU converter of the receiver.
Action	Try the following:

- For *RPC-based Components*:
  - Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute CONVERSION.
  - Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.
- If possible for the scenario, you can replace the inconvertible characters with a codepage-dependent substitution character. See *OPTION Values for Conversion*.
- If the error persists:

  Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030070	**No character at codepoint** *codepoint* **in source ICU Converter** *converter*
Explanation	An invalid payload was sent. The payload and the ICU converter of the sender do not match. There is no character defined in the ICU converter at the given codepoint.
Action	Try the following:

- For *RPC-based Components*:

  - Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute CONVERSION.

  - Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.

- Check that the data sent is correct.

- If possible for the scenario, you can replace the inconvertible characters with a codepage-dependent substitution character. See *OPTION Values for Conversion*.

- If the error persists:

  Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030071	**Missing Unicode character** *char* **in broker ICU Converter** *converter*
Explanation	The EntireX Broker's ICU converter is required to parse the RPC payload of the sender. The given Unicode character is missing in the defined EntireX Broker's ICU converter.
Action	Try the following:

- Check if the ICU converter of the EntireX Broker is the correct one. If not, reconfigure the EntireX Broker.

- If the error persists:

  Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030072	**No character at codepoint** *codepoint* **in broker ICU Converter** *converter* **defined**
Explanation	The EntireX Broker's ICU converter is required to parse the RPC payload of the sender. There is no character defined at the given codepoint in the ICU converter.
Action	Try the following:

- Check if the ICU converter of the EntireX Broker is the correct one. If not, reconfigure the EntireX Broker.

- If the error persists:

Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030073	**Missing Unicode character** *char* **in ICU Converter** *converter*
Explanation	In some situations it is necessary to use an additional ICU converter for conversion (for example the old Hebrew codepage CP803). The error occurred using this additional converter. The given Unicode character is not contained in the given ICU converter.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030074	**No character at codepoint** *codepoint* **in ICU Converter** *converter* **defined**
Explanation	In some situations it is necessary to use an additional ICU converter for conversion (for example the old Hebrew codepage CP803). The error occurred using this additional converter. No character is defined in the given ICU converter at the given codepoint.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030075	**No character at codepoint** *codepoint* **in ICU Converter** *converter* **defined for integer or binary data**
Explanation	An invalid RPC payload was sent. Invalid characters where detected in integer or binary data of the sender. The payload and the ICU converter of the sender do not match, that is, there is no character defined in the given ICU converter at the given codepoint, or the payload that was sent is not a valid RPC protocol.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030076	**No character at codepoint** *codepoint* **in ICU Converter** *converter* **defined for metadata**
Explanation	An invalid RPC payload was sent. Invalid characters where detected in metadata of the sender. The payload and the ICU converter of the sender do not match, that is, there is no character defined in the given ICU converter at the given codepoint, or the payload that was sent is not a valid RPC protocol.
Action	Configure trace level 3 for the service-specific attribute `CONVERSION` and provide a trace to Software AG support.

10030077	**No character at codepoint *codepoint* in ICU Converter *converter* defined for string buffer item**
Explanation	An invalid RPC payload was sent. Invalid characters where detected in string buffer items of the sender. The payload and the ICU converter of the sender do not match, that is, there is no character defined in the given ICU converter at the given codepoint, or the payload send is not a valid RPC protocol.
Action	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030078	**Missing Unicode character *char* in target ICU Converter *converter* for integer or binary data**
Explanation	Integer or binary data of the RPC payload of the sender could not be converted into the encoding of the receiver. The given Unicode character is not contained in the given ICU converter.
Action	■ Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute CONVERSION.
	■ Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.
	■ If the error persists:
	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030079	**Missing Unicode character *char* in target ICU Converter *converter* for metadata**
Explanation	Metadata of the RPC payload of the sender could not be converted into the encoding of the receiver. The given Unicode character is not contained in the given ICU converter.
Action	■ Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute CONVERSION.
	■ Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.
	■ If the error persists:
	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

10030080	**Missing Unicode character** *char* **in target ICU Converter** *converter* **for string buffer**
Explanation	The RPC string buffer of the RPC payload of the sender could not be converted into the encoding of the receiver. The given Unicode character is not contained in the given ICU converter.
Action	■ Determine the component (RPC client or RPC server) sending the RPC payload. To find out the IDL library and IDL program where the error occurred, configure trace level 2 for the service-specific attribute CONVERSION.
	■ Use an ICU converter where all needed characters are defined (see *ICU Resources* and *Codepage Requirements for RPC Data Stream Conversions*). Check if the ICU converter is the correct one. If not, reconfigure the RPC component. See *Introduction to Internationalization*.
	■ If the error persists:
	Configure trace level 3 for the service-specific attribute CONVERSION and provide a trace to Software AG support.

32 **Message Class 1004 - IDL Compiler**

This message class is returned if an error occurred concerning the Software AG IDL Compiler. Messages of this class have the format:

1004*nnnn*

where 1004 is the message class, and

    nnnn is the message number in the range 0000 - 9999.

10040001	**No template file given**
Explanation	A template file is mandatory to run the Software AG IDL Compiler.
Action	Specify a template file using the `-t` option.

10040002	**Template file <file-name> open failed**
Explanation	The template file specified could not be opened for one of the following reasons:

    1. The path or template file does not have read access.

    2. The template file is missing.

Action	Depending on the situation above, provide the template file and grant read access to the IDL Compiler.

10040003	**Template file <file-name> is too large (Max. 1MB)**
Explanation	The maximum size for the template file has been exceeded.
Action	1. For customer-written template files:

Create several smaller files from your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040004	**#endif expected in template**
Explanation	When parsing the template file, the following error was detected: An expected #endif preprocessor statement was not found in the template file.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040005	**Premature end of template file occurred**
Explanation	When parsing the template file, an unexpected end-of-file condition occurred.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040006	**Illegal opcode in template**
Explanation	When running the template file an illegal operation code was detected.
Action	Contact Software AG support.

10040007	**Illegal number**
Explanation	When running the template file, an illegal number was found in a template variable.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040008 **Illegal character occurred in code: '<code>'**

Explanation When parsing the template file, an illegal character was detected.

Action 1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040009 **%block without block**

Explanation When parsing the template file, the following error was detected:
A block was missing.

Action 1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040010 **%library{ } must not be an inner loop**

Explanation When parsing the template file, the following error was detected:
A library loop could not be placed within another library loop.

Action 1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040011 **%program{ }-loop must be embedded in %library{ }-loop**

Explanation When parsing the template file, the following error was detected:
A program loop must be placed within a library loop.

Action 1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040012   **%name{ }-loop must be embedded in %program or %x_struct { }-loop**

Explanation   When parsing the template file, the following error was detected:
A `name` loop must be placed within a `program` or `x_struct` loop.

Action   1. For customer-written template files:

        Correct your template file and rerun the IDL Compiler.

     2. For template files delivered by Software AG:

        Contact Software AG support.

10040013   **%x_struct{ }-loop must be embedded in %library{ }-loop**

Explanation   When parsing the template file, the following error was detected:
An `x_struct` loop must be placed within a `library` loop.

Action   1. For customer-written template files:

        Correct your template file and rerun the IDL Compiler.

     2. For template files delivered by Software AG:

        Contact Software AG support.

10040014   **Illegal environment variable syntax**

Explanation   When parsing the template file, the following error was detected:
The syntax for environment variables is incorrect.
Environment variables must be surrounded by parentheses: '(' and ')'.

Action   1. For customer-written template files:

        Correct your template file and rerun the IDL Compiler.

     2. For template files delivered by Software AG:

        Contact Software AG support.

10040015   **Illegal numeric variable: '%compute'**

Explanation   When parsing or running the template file, an illegal numeric variable was found in a template variable.

Action   1. For customer-written template files:

        Correct your template file and rerun the IDL Compiler.

     2. For template files delivered by Software AG:

        Contact Software AG support.

10040016   **Illegal string variable <variable>: '%assign'**

Explanation   When parsing or running the template file, an illegal string was detected in a template variable.

Action   1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040017   **Illegal closing brackets of array string variable <variable>: '%assign'**

Explanation   When parsing or running the template file, an array string variable could not be determined correctly.

Action   1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040018   **Illegal opening brackets of array string variable <variable>: '%assign'**

Explanation   When parsing or running the template file, an array string variable could not be determined correctly.

Action   1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040019   **Array string variable out of bounds**

Explanation   When running the template file, an array string variable could not be determined correctly. Array variables must be in the range 0 - 8.

Action   1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040020   **%Sanitize<flag> is unknown**

Explanation   When parsing the template file, an illegal statement was detected.

Action   1. For customer-written template files:

                         Correct your template file and rerun the IDL Compiler.

                     2. For template files delivered by Software AG:

                         Contact Software AG support.

10040021   **%using I must have specified 1, 2 or 4**

Explanation   When parsing the template file, an illegal length for the data type integer was detected.

Action   1. For customer-written template files:

                         Correct your template file and rerun the IDL Compiler.

                     2. For template files delivered by Software AG:

                         Contact Software AG support.

10040022   **%using F must have specified 4 or 8**

Explanation   When parsing the template file, an illegal length for the data type float was detected.

Action   1. For customer-written template files:

                         Correct your template file and rerun the IDL Compiler.

                     2. For template files delivered by Software AG:

                         Contact Software AG support.

10040023   **Illegal character occurred in %using <type>: '<char>' (0x%.2X)**

Explanation   When parsing the template file, an illegal data type was detected.

Action   1. For customer-written template files:

                         Correct your template file and rerun the IDL Compiler.

                     2. For template files delivered by Software AG:

                         Contact Software AG support.

10040024	**Recursive type specification, <output-statement> used in %u clause**
Explanation	When parsing the template file, an error was detected.
Action	1. For customer-written template files:
	Correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG:
	Contact Software AG support.

10040025	**Illegal %-specification '<char>'**
Explanation	When parsing the template file, an illegal statement was detected.
Action	1. For customer-written template files:
	Correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG:
	Contact Software AG support.

10040026	**} without block**
Explanation	When parsing the template file, a closing brace was detected without the corresponding opening one.
Action	1. For customer-written template files:
	Correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG:
	Contact Software AG support.

10040027	**Unsupported %-format: <char>**
Explanation	When running the template file, an unsupported format was detected.
Action	1. For customer-written template files:
	Correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG:
	Contact Software AG support.

10040028	**\<statement\> is unknown**
Explanation	An incorrect \<statement\> was found in the template file.
Action	1. For customer-written template files:
	Correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG:
	Contact Software AG support.

10040029	**Illegal string**
Explanation	When parsing the template file, a string could not be determined correctly.
Action	1. For customer-written template files:
	Correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG:
	Contact Software AG support.

10040030	**String continues on next line**
Explanation	When parsing the template file, a string could not be determined correctly. A string must not continue on the next line.
Action	1. For customer-written template files:
	Correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG:
	Contact Software AG support.

10040031	**String missing: \<string\>**
Explanation	When parsing the template file, a string was expected but did not occur.
Action	1. For customer-written template files:
	Correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG:
	Contact Software AG support.

10040032   **Missing ')' in expression**

Explanation   When running the template file, an illegal expression was detected.

Action   1. For customer-written template files:

                        Correct your template file and rerun the IDL Compiler.

                     2. For template files delivered by Software AG:

                        Contact Software AG support.

10040033   **Bad expression (read '<expression>')**

Explanation   When running the template file, an illegal expression was detected.

Action   1. For customer-written template files:

                        Correct your template file and rerun the IDL Compiler.

                     2. For template files delivered by Software AG:

                        Contact Software AG support.

10040034   **Level nesting exceeded**

Explanation   When running the template file, the maximum number of levels was exceeded.

Action   1. For customer-written template files:

                        Correct your template file and rerun the IDL Compiler.

                     2. For template files delivered by Software AG:

                        Contact Software AG support.

10040035   **Recursion too deep**

Explanation   When parsing the template file, an error was detected.

Action   1. For customer-written template files:

                        Correct your template file and rerun the IDL Compiler.

                     2. For template files delivered by Software AG:

                        Contact Software AG support.

10040036 **\<statement> blocks exceeded, maximum is \<number>**

Explanation   When parsing the template file, the maximum number of nested blocks for statement \<statement> of \<number> was exceeded.

Action   1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040037 **Internal error**

Explanation   An unexpected error occurred when running the Software AG IDL Compiler.

Action   Contact Software AG support.

10040038 **Can access \<output-statement> only in \<control-statement>-loop**

Explanation   When running the template file, a statement was executed which was not placed in its proper loop statement.

Action   1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040039 **Premature EOF within preprocessor block in template**

Explanation   When parsing the template file, an unexpected end-of-file condition occurred.

Action   1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040040 **Unknown preprocessor command \<command> in template**

Explanation   When parsing the template file, an unknown statement was detected.

Action   1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040041	**#endif found without #ifdef in template**
Explanation	When parsing the template file, an `#endif` was found without a corresponding `#ifdef` preprocessor statement.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040042	**#else found without #ifdef in template**
Explanation	When parsing the template file, an `#else` was found without a corresponding `#ifdef` preprocessor statement.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040043	**#elif found without #ifdef in template**
Explanation	When parsing the template file, an `#elif` was found without a corresponding `#ifdef` preprocessor statement.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040044	**#elif found after #else in template**
Explanation	When parsing the template file, an `#elif` was found after a corresponding `#else` preprocessor statement.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040045	**#ifdef found before #endif in template**
Explanation	When parsing the template file, an #ifdef was found before an #endif preprocessor statement.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040046	**<statement> found without DEFINITION in template**
Explanation	An incorrect <statement> was found in the template file.
Action	1. For customer-written template files:

Correct your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG:

Contact Software AG support.

10040047	**Software AG IDL file <file-name> open failed**
Explanation	The Software AG IDL file specified could not be opened for one of the following reasons:

1. The path or Software AG IDL file does not have read access.

2. An incorrect name was given for the IDL file or it is missing.

Action Depending on the situation above, provide the Software AG IDL file and/or give read access to the IDL Compiler.

10040048	**Software AG IDL file parse error**
Explanation	When parsing the Software AG IDL file, an error occurred.
Action	Correct your IDL file and rerun the IDL Compiler.

10040049	**Usage error**
Explanation	The Software AG IDL Compiler was called with an incorrect template file, IDL file or option settings.
Action	Supply the IDL Compiler with correct parameters.

10040050	**Out of memory**
Explanation	A memory request by the IDL Compiler could not be fulfilled by the operating system.
Action	Increase your memory resources and rerun the IDL Compiler.

10040051	**Pushback character limit reached**
Explanation	The maximum number of pushback characters was reached by the operating system.
Action	Contact Software AG support.

10040052	**Label table overflow**
Explanation	The maximum number of labels was reached by the operating system.
Action	Contact Software AG support.

10040053	**Output buffer overflow**
Explanation	An overflow of the output buffer occurred.
Action	1. For customer-written template files: Correct your template file and rerun the IDL Compiler. 2. For template files delivered by Software AG: Contact Software AG support.

10040054	**Library name is too long**
Explanation	A library name specified in the IDL file is too long. The maximum number of characters is 128.
Action	Correct your IDL file and rerun the IDL Compiler.

10040055	**Library name is empty**
Explanation	A library name specified in the IDL file contains no characters.
Action	Correct your IDL file and rerun the IDL Compiler.

10040056	**Library alias name is too long**
Explanation	A library alias name specified in the IDL file is too long. The maximum number of characters is 128.
Action	Correct your IDL file and rerun the IDL Compiler.

10040057	**Library alias name is empty**
Explanation	A library alias name specified in the IDL file contains no characters.
Action	Correct your IDL file and rerun the IDL Compiler.

10040058	**Program <program-name> already defined**
Explanation	A program with the same name has already been defined in the IDL file.
Action	Correct your IDL file and rerun the IDL Compiler.

10040059	**Program alias <alias-name> already defined**
Explanation	A program alias with the same name has already been defined in the IDL file.
Action	Correct your IDL file and rerun the IDL Compiler.

10040060	**Program name is too long**
Explanation	A program name specified in the IDL file is too long. The maximum number of characters is 128.
Action	Correct your IDL file and rerun the IDL Compiler.

10040061	**Program name is empty**
Explanation	A program name specified in the IDL file contains no characters.
Action	Correct your IDL file and rerun the IDL Compiler.

10040062	**Program alias name is too long**
Explanation	A program alias name specified in the IDL file is too long. The maximum number of characters is 128.
Action	Correct your IDL file and rerun the IDL Compiler.

10040063	**Program alias name is empty**
Explanation	A program alias name specified in the IDL file contains no characters.
Action	Correct your IDL file and rerun the IDL Compiler.

10040064	**Structure <structure-name> already defined**
Explanation	A structure with the same name has already been defined in the IDL file.
Action	Correct your IDL file and rerun the IDL Compiler.

10040065	**Structure name is too long**
Explanation	A structure name specified in the IDL file is too long. The maximum number of characters is 128.
Action	Correct your IDL file and rerun the IDL Compiler.

10040066	**Structure name is empty**
Explanation	A structure name specified in the IDL file contains no characters.
Action	Correct your IDL file and rerun the IDL Compiler.

10040067	**Structure <structure-name> not defined**
Explanation	An structure not defined in the IDL file was referenced.
Action	Correct your IDL file and rerun the IDL Compiler.

10040068	**Level must be at least <level-number>**
Explanation	An incorrect level for parameters is specified in the IDL file.
Action	Correct your IDL file and rerun the IDL Compiler.

10040069	**Level must be <level-number>**
Explanation	An incorrect level for parameters is specified in the IDL file.
Action	Correct your IDL file and rerun the IDL Compiler.

10040070	**Parameter name is too long**
Explanation	A parameter name specified in the IDL file is too long. The maximum number of characters is 31.
Action	Correct your IDL file and rerun the IDL Compiler.

10040071   **Maximum level is <level-number>**

Explanation   An incorrect level for parameters is specified in the IDL file.

Action   Correct your IDL file and rerun the IDL Compiler.

10040072   **Index bound is too high**

Explanation   A dimension specification for a parameter in the IDL file was too high. The maximum limit for upper bounds is 1073741824.

Action   Correct your IDL file and rerun the IDL Compiler.

10040073   **Invalid dimension specification**

Explanation   The specification of a dimension for a parameter in the IDL file was incorrect.

Action   Correct your IDL file and rerun the IDL Compiler.

10040074   **Errors in the IDL file <file-name> detected**

Explanation   Errors in the IDL file were detected - generation failed.

Action   Correct your IDL file and rerun the IDL Compiler.

10040075   **Recursion of parameter detected - invalid IDL file**

Explanation   A parameter recursion occurred in the IDL file.

Action   Correct your IDL file and rerun the IDL Compiler.

10040076   **Group parameter '<parameter-name>' has no members**

Explanation   A group defined in the IDL file has no members.

Action   Correct your IDL file and rerun the IDL Compiler.

10040077   **No output file open**

Explanation   When running the template file, an output statement was supposed to be executed but no file was open.

Action   1. For customer-written template files:

                         Correct your template file and rerun the IDL Compiler.

                      2. For template files delivered by Software AG:

                         Contact Software AG support.

10040078   **Could not open %f file <file-name>**

Explanation   An output file could not be opened for one of the following reasons:

1. The path or file does not have write access.

2. The file name is incorrect.

Action   Depending on the situation above, provide write access to the IDL Compiler or correct the file name.

10040079   **-P Option is limited to 32 characters**

Explanation   The IDL Compiler was called with incorrect parameter `-P`. The length of an option is limited to 32 characters.

Action   Supply the IDL Compiler with correct parameters.

10040080   **Max. -P options = <max-number>**

Explanation   The IDL Compiler was called with too many options. The maximum possible number of options is `<max-number>`.

Action   Supply the IDL Compiler with correct parameters.

10040083   **Illegal option - <option>**

Explanation   The IDL Compiler was called with incorrect parameters.

Action   Supply the IDL Compiler with correct parameters.

10040084   **Option must be followed by whitespace - <option>**

Explanation   The IDL Compiler was called with incorrect parameters. All options must be followed by whitespace.

Action   Supply the IDL Compiler with correct parameters.

10040085   **Option requires an argument - <option>**

Explanation   The IDL Compiler was called with incorrect parameters. The given option requires an argument.

Action   Supply the IDL Compiler with correct parameters.

10040086	**Option must not be clustered - <option>**
Explanation	The IDL Compiler was called with incorrect parameters. Options must not be clustered.
Action	Supply the IDL Compiler with correct parameters.

10040087	**Recursion for structure <structure-name> detected - Invalid IDL file**
Explanation	A structure recursion occurred in the IDL file.
Action	Correct your IDL file and rerun the IDL Compiler.

10040088	**Syntax error in %execute statement**
Explanation	When parsing the template file, an illegal %execute statement was detected.
Action	1. For customer-written template files: correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG: contact Software AG support.

10040089	**Parameter <parameter name> has the wrong type in return statement**
Explanation	When parsing the template file, a wrong parameter type was detected in the return declaration of the `%execute` statement.
Action	1. For customer-written template files: check the return declaration of the `%execute` statement and the parameter of the `%return` statement. The parameter types must match.
	2. For template files delivered by Software AG: contact Software AG support.

10040090	**Count of parameter is wrong in return statement**
Explanation	When parsing the template file, the wrong number of parameters was detected in the return declaration of the `%execute` statement.
Action	1. For customer-written template files: check the return declaration of the `%execute` statement and the parameter of the `%return` statement. The count of parameters must match.
	2. For template files delivered by Software AG: contact Software AG support.

10040091	**Parser exception occurred in template file <template file name>**
Explanation	When parsing the template file, a wrong statement or a syntax error has been detected by the template parser.
Action	1. For customer-written template files: correct your template file and rerun the IDL Compiler.
	2. For template files delivered by Software AG: contact Software AG support.

10040092   **%UnsupportedProgram statement must be embedded in %program or %name loop**

Explanation   `%UnsupportedProgram` statement needs a `%library { %program { }}` loop.

Action   1. For customer-written template files: create several smaller files from your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG: contact Software AG support.

10040093   **%UnsupportedProgram statement cannot be used if an output file is open**

Explanation   `%UnsupportedProgram` must be used before an output file is opened.

Action   1. For customer-written template files: create several smaller files from your template file and rerun the IDL Compiler.

2. For template files delivered by Software AG: contact Software AG support.

33 Message Class 1005 - RPC Server

If you are communicating with an EntireX RPC server, this class is returned if an error occurred in the RPC server.

If you are communicating with a Natural RPC Server and you receive errors in the range 10050001 - 10059999 on the client side, make a note of the last 4 digits of the error number and refer to the Natural error code documentation to determine the cause of the error instead here. For example, if you receive error number 10050082, Natural error 0082 has occurred on the server side.

Messages of this class have the format:

1005*nnnn*

where 1005 is the message class, and

     nnnn is the message number in the range 0000 - 9999.

10050000	**Reserved**

10050001	**Cannot open or read File=<file name>**
Explanation	An invalid configuration file name or a wrong file type was used to start the RPC server.
Action	Restart the server with correct configuration file.

10050002   **Cannot open or read File=<file name>**

Explanation   Configuration problem.

Action   Contact Software AG support

10050003   **Bad configuration: endworkers set to timeout**

Explanation   RPC server was started with an incomplete configuration file: Parameter `endworkers` has been set to timeout.

Action   Restart server with desired definition.

10050004   **Bad configuration: MinWorkers set to <number>**

Explanation   RPC server was started with an inconsistent configuration file: Parameter `minworkers` was either less than 1 or greater than the available thread entries.

Action   Restart server with desired definition.

10050005   **Bad configuration: MaxWorkers set to <number>**

Explanation   RPC server was started with an inconsistent configuration file: Parameter `maxworkers` was either greater than the available thread entries or (if `endworkers=never` was not specified) was less than 2.

Action   Restart server with desired definition.

10050006   **MaxWorkers must not be less than MinWorkers**

Explanation   RPC server was started with an inconsistent configuration file: Parameter `minworkers` was greater than `maxworkers`.

Action   Restart server with desired definition.

10050007   **ERXInit() failed**

Explanation   Initialization of ERX runtime failed. This message is accompanied by an ERX runtime error message.

Action   Check ERX runtime error message for further action.

10050008   **Create Instance failed**

Explanation   A new thread could not be established. This message is accompanied by message 10050009.

Action   See message 10050009 for further action.

10050009	**Search for free entry in Thread table failed**
Explanation	The predefined thread table is full. This table normally is 256 entries long, under CICS there are 38 entries located in the ERX main control block. With `ENDW=USER`, each user thread requires an additional entry.
Action	Check reason of the overflow: if a thread abnormally terminates (abends), the thread entry might be marked as `UNUSABLE`. If there are too many abnormal terminations during the lifetime of the RPC server, the table might be shortened. In other cases, contact Software AG support.

10050010	**Get Server status failed**
Explanation	Internal function failed. This message follows a genuine error message.
Action	Check original ERX error message for further action.

10050011	**Set Server status failed**
Explanation	Internal function failed. This message follows a genuine error message.
Action	Check original ERX error message for further action.

10050012	**Follow Worker creation failed**
Explanation	Internal function failed. This message follows a genuine error message.
Action	Check original ERX error message for further action.

10050013	**ERXRegister() failed**
Explanation	Register call to ERX runtime failed. This message is accompanied by a genuine error message.
Action	Check original ERX error message for further action.

10050014	**ERXLogon() failed**
Explanation	Logon call to ERX runtime (logon to Broker) failed. This message is accompanied by a genuine error message.
Action	Check original ERX error message for further action.

10050015	**ERXLogoff() failed**
Explanation	Logoff call to ERX runtime (logoff from Broker) failed. This message is accompanied by a genuine error message.
Action	Check original ERX error message for further action.

10050016	**ERXUnregister() failed**
Explanation	Unregister call to ERX runtime failed. This message is accompanied by a genuine error message.
Action	Check original ERX error message for further action.

10050017	**Server Statistics:**
Explanation	Informational. This message is the header of the statistic messages 10050018 - 10050023 which will be printed when RPC server terminates.
Action	None.

10050018	**Conversations successful .... \<number\>**
Explanation	Informational. Prints the number of conversational and non-conversational calls.
Action	None.

10050019	**Workers successful .... \<number\>**
Explanation	Informational. Prints the number of worker threads with normal end.
Action	None.

10050021	**Workers failed in executing .... \<number\>**
Explanation	Informational. Prints the number of worker threads with abnormal end.
Action	None.

10050022	**Workers maximum parallel active ..... \<number\>**
Explanation	Informational. Prints the maximum number of concurrently active worker threads.
Action	None.

10050023	**Workers failed in starting .... \<number\>**
Explanation	Informational. Prints the number of failing worker threads.
Action	None.

10050024	**ERXEndServing() failed**
Explanation	EndServing call to ERX runtime (Broker `DEREGISTER`) failed. This message is accompanied by a genuine error message.
Action	Check original error message for further action.

10050025   **Check Worker creation failed**

Explanation   Internal function failed. This message is accompanied by a genuine error message.

Action   Check original error message for further action.

10050026   **Create Worker failed**

Explanation   Internal function failed. This message is accompanied by a genuine error message.

Action   Check original error message for further action.

10050027   **Set Worker status failed**

Explanation   Internal function failed. This message is accompanied by a genuine error message.

Action   Check original error message for further action.

10050028   **Check for Worker stop failed**

Explanation   Internal function failed. This message is accompanied by a genuine error message.

Action   Check original error message for further action.

10050029   **Check for new Worker to create failed**

Explanation   Internal function failed. This message is accompanied by a genuine error message.

Action   Check original error message for further action.

10050030   **ERXDynamicParmGeneration() failed**

Explanation   Internal function to prepare the data conversation failed. This message is accompanied by a genuine error message.

Action   Check original error message for further action.

10050031   **ERXUnmarshal() failed for \<library\> \<program\>**

Explanation   Internal function for data conversation failed, `<library>=requested Library`, `<program>=requested Program`. This message is accompanied by a genuine error message.

Action   Verify that the data received from client is correct. It may be necessary to reproduce the error while tracing is on.

10050032	**ERXMarshal() failed for \<library\> \<program\>**
Explanation	Internal function for data conversation failed, `<library>=requested Library`, `<program>=requested Program`. This message is accompanied by a genuine error message.
Action	Verify that the data sent by a server subroutine is correct. It may be necessary to reproduce the error while tracing is on.

10050033	**Could not resolve RPC call for \<library\> \<program\>**
Explanation	A client request could *not* be answered successfully. The client is notified with the appropriate protocol error, depending on the genuine error. This message is accompanied by a genuine error message.
Action	Check original messages for possible errors.

10050034	**Exception Type=\<type\> received!**
Explanation	SignalHandler indicates critical error. Depending on the operating system, dump information will be provided. Message 10050060 provides information about the program that is involved in this abend.
Action	Check message 10050060 for more information.

10050035	**ERXBeginServing() failed**
Explanation	BeginServing call to ERX runtime (Broker `REGISTER`) failed. This message is accompanied by a genuine error message.
Action	Check original error message for further action.

10050036	**SAG EntireX RPC server \<Runtime platform\>**
Explanation	Informational. This message is the header of the information messages 10050037 - 10050042 and 10050051 - 10050052 which are printed when RPC server is started.
Action	None.

10050037	**Minworkers (free for new conversation) \<number\>**
Explanation	Informational. Prints `minworkers` startup parameters.
Action	None.

10050038   **Maxworkers (max parallel active) ..... <number>**

Explanation   Informational. Prints `maxworkers` startup parameters.

Action   None.

10050039   **Endworkers (criteria when to stop) ... <number>**

Explanation   Informational. Prints `endworkers` startup parameters.

Action   None.

10050040   **Timeout (in seconds for Broker) ... <seconds>**

Explanation   Informational. Prints `timeout` startup parameters.

Action   None.

10050041   **API used (for Broker) .... <api-version>**

Explanation   Informational. Prints `ETB_APIVERS` startup parameters.

Action   None.

10050042   **Codepage (for data conversion) ..... <CodePage>**

Explanation   Informational. Prints `CODEPAGE` startup parameters.

Action   None.

10050043   **Invalid Thread Status**

Explanation   Internal check has detected an error in thread status logic. The reason might be system shortages. The thread might be flagged unusable.

Action   Check if the server can still continue working. If not, restart server. If problem persists, contact Software AG support.

10050044   **ERXDynDispatch() failed**

Explanation   Dispatcher call to ERX runtime (Broker `RECEIVE`) failed. This message is accompanied by a genuine error message.

Action   Check original error message for further action.

10050045   **SERVER**

Explanation	Informational. This token is used to identify the originator thread of a message.
Action	None.

10050046   **Worker**

Explanation	Informational. This token is used to identify the original thread of a message.
Action	None.

10050047   **Transaction Control Callback failed**

Explanation	Internal function failed. This message is accompanied by a genuine error message.
Action	Check original error message for further action.

10050048   **Server Control Callback failed**

Explanation	Internal callback function failed. This message is accompanied by a genuine error message.
Action	Check original error message for further action.

10050049   **Client Identification Callback failed**

Explanation	Internal callback function failed. This message is accompanied by a genuine error message.
Action	Check original error message for further action.

10050050   **Init Globals failed**

Explanation	Internal function failed. This message is accompanied by a genuine error message. CICS: This message will also be used to dynamically initialize a shared memory block within the ERX Main control block.
Action	Check original error message for further action. CICS: Recompile and/or reload ERX Main control block.

10050051   **Broker ID (default) ... <BrokerID>**

Explanation	Informational. Prints `BROKERID` startup parameters (entered in the command line or configuration parameter `BrokerID`.
Action	None.

10050052   **Service Name (default) ...... <ClassName><ServerName><Service>**

Explanation   Informational. Prints `CLASS SERVER SERVICE` startup parameters (entered in the command line or configuration parameter `Class`, `ServerName` and `Server`).

Action   None.

10050053   **Load of Memory <MapName> failed**

Explanation   CICS only: ERX Main control block could not be loaded.

Action   Check CICS resource definitions and if module exist in DFHRPL load library.

10050054   **Invalid Memory Version=<version> found in <MapName>**

Explanation   CICS only: Invalid version detected in ERX Main control block. Either the version is out of support or (most likely) the control is corrupt.

Action   Recompile ERX Main control block with updated ERXMAIN macro.

10050055   **Read of Memory <MapName> failed**

Explanation   The message indicates an error with ERX Main control block. This message is accompanied by a genuine error message.

Action   Check original messages for possible errors.

10050056   **Usage : <SeverName> Broker@Server/Class/Service [-Option]**
                      or :
                      <SeverName> Broker Class Server Service [-Option]
                      or :
                      <SeverName> CFG=ConfigFile.cfg [-Option]

Explanation   Usage error. The correct syntax will be displayed. The server will terminate.

Action   Start server again with correct syntax.

10050057   **or : <ServerName> MEM=memory**

Explanation   Operating system-dependent USAGE message, part of message 10050056.

Action   Start server again with correct syntax.

10050058   **Option : -s[ilent] suppresses input from STDIN Default: <ServerName> ETB001 RPC SRV1 CALLNAT**

Explanation   Operating system-dependent USAGE message, part of message 10050056.

Action   Start server again with correct syntax.

10050059	**Press Return key to continue.**
Explanation	Part of message 10050056.
Action	Confirm usage messages and start server again with correct syntax.

10050060	**Program program-name abended with exception= exception-code**
Explanation	(Customer) server subroutine <program-name> has abended. Depending on the operating system, dump information will be provided. The server will continue running. The thread in which the abend occurred will be terminated or (if not possible) will be marked as `UNUSABLE`.
Action	Correct the malfunctioning subroutine.

10050061	**Not yet implemented**
Explanation	Informational message.
Action	None.

10050062	**ERXTerminateServer() failed**
Explanation	The complex function `ERXTerminateServer` will communicate with the Broker to stop all existing replicas for this server. This message is accompanied by a genuine error message.
Action	Check original error message for further action.

10050063	**Conversations aborted .... number**
Explanation	Informational. Prints the number of "unsuccessful" calls:

- all calls that return with error because of server subroutine problem and/or data conversations,
- Broker (timeout) terminated the call
- client terminates during conversation
- in conversational mode: the conversation did not finish with `DISCONNECT-COMMIT`.

Action	None.

10050064	**Thread stopped because of major problems**
Explanation	Internal error in server. This message is accompanied by a genuine error message.
Action	Check original error message for further action.

10050065   **ERXFreeVData() failed**

Explanation	Service function failed. This message is accompanied by a genuine error message.
Action	Check original error message for further action.

10050066   **The max. thread entries available .... number**

Explanation	Informational. This message is printed to a trace file. The maximum number of thread entries is 256. Exception: under CICS it is automatically calculated from free memory in the ERX Main control block.
Action	None.

10050067   **Server is starting.................**

Explanation	Informational. This message is accompanied by a timestamp. The message will be generated after the Broker availability has been successfully tested. See also message no. 10050069.
Action	none

10050068   **Server is stopping.................**

Explanation	Informational. This message is accompanied by a timestamp.
Action	none.

10050069   **Broker not available, has tried to connect x times**

Explanation	The EntireX RPC server detected that the Broker is not available (either during startup or at runtime). Depending on the restartcycles option, the server will try to logon again after a one-minute timeout. If the Broker becomes available during these restart cycles, the server will continue with message 10050067. Otherwise, it will terminate.
Action	Restart Broker, if desirable.

10050074   **Broker ID (in use) <BrokerID>**

Explanation	Informational. Prints the Broker ID with which a session is requested. This Broker ID can be different from the default Broker ID.
Action	None

10050075	Service (in use) <ClassName>, <ServerName>, <Service>
Explanation	Informational. Prints the class name, server name and service with which a connection is established. The values can be different from the default or the logical service
Action	None

10050076	ERX runtime version and RPC server not compatible
Explanation	Your EntireX Installation is destroyed.
Action	Reinstall EntireX.

10050077	Response number from RPC server
Explanation	The EntireX RPC server returned an error.
Action	See under error *number* for further explanation and action to take.

10050082	Callee not found
Explanation	The EntireX/Natural RPC Server did not find the server program.
Action	Depending on the type of your RPC server, one of the following situations may apply:

1. If the server is an EntireX RPC server on Windows/UNIX:

   ■ The server stub with the name *D<library>.dll* on Windows or *D<library>.so|sl* on UNIX must be accessible to the EntireX RPC server. The program called must be available within that library as an export named *D<program>*.

   ■ The same applies to the server program. A server with the name *<library>.dll* on Windows or *<library>.so|sl* on UNIX must be accessible to the EntireX RPC server. The program called must be available within that library as an export named *<program>*.

   Check read/execution access, library names and exports.

2. If the server is an EntireX RPC server on CICS:

   ■ A program named *<program>* must exist in the DFHRPL steplib concatenation.

   ■ The program must be CSD-defined and (depending on CICS version) must be installed.

3. If the server is a Natural RPC Server:

   ■ If Natural Logon is switched on for the request or conversation, the program must be found within the target library (or its steplib concatenation).

   ■ If Natural Logon is switched off for the request or conversation, the program must be found in the initial library (or its steplib concatenation) of the Natural RPC Server.

   See also the appropriate Natural documentation.

4. If the server is an EntireX RPC Server for XML/SOAP:

- The server classes must be accessible from the EntireX RPC Server for XML/SOAP.

- Make sure that the path of the server classes is in the classpath.

10050086	**Invalid job control - WORKER-PARMS is empty**
Explanation	The SDF variable `WORKER-PARMS` in S-procedure `START-RPC-SERVER` is not set up correctly. This message will be sent by RPC servers under BS2000 only.
Action	Correct the job control and rerun the job.

10050087	**Shared memory could not be established**
Explanation	An error occurred while establishing the main or a worker task. This message will be sent by RPC servers under BS2000 only.
Action	Contact Software AG support.

10050088	**Abnormal termination during program execution**
Explanation	The server program called by the EntireX/Natural RPC Server caused an abnormal end.
Action	Check the program and correct the error.

10050089	**ERXSetSecurity() failed**
Explanation	RPC server was started with option `KERNELSECURITY`, but failed.
	This message is accompanied by a genuine error message.
Action	Correct installation error and restart.

10050090	**Broker Kernel-Security.............. \<level\>**
Explanation	Informational.
	RPC server runs with broker `KERNELSECURITY=<level>`.
Action	None.

10050091	**Authentication failed: user=\<userid\>, reason=\<reason\>**
Explanation	The host security refused an authentication request.
Action	Inspect reason code. Retry if password mistyped, otherwise contact your security administrator.

10050092	**Security could not be initialized, reason=<reason>**
Explanation	Internal PC routines could not be installed.
Action	Inspect reason code and contact your system administrator.

10050093	**Reserved**
Explanation	
Action	

10050094	**Cannot reset authentication, reason=<reason>**
Explanation	The host security refused to reset a previously performed authentication request.
Action	Inspect reason code and contact your security administrator.

10050095	**ERX Runtime not found**
Explanation	EntireX RPC server requires the ERX shared library to be available. On Windows this is usually located in directory *<drive>:\SoftwareAG\EntireX\bin*.
Action	Check EntireX installation. Verify that the *erx.dll* is in standard installation path.

10050096	**PL/I stack level exceeded**
Explanation	RPC server received request for target PL/I application but application interface has higher indent level than PL/I supports (32).
Action	Correct RPC client application.

10050098	**RPC server does not support RPC protocol version <rpc-version> found in server mapping**
Explanation	The server mapping file accessed with IDL library and IDL program for the RPC request contained an RPC protocol version not supported by the RPC server. See *Supported RPC Protocols*. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL*.
Action	Contact Software AG support for RPC server upgrade.

10050099	**Server mapping format is invalid**
Explanation	The server mapping file accessed with IDL library and IDL program for the RPC request contained an invalid format. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL*.
Action	Check that you have the latest updates for the Designer installed. Try to produce the server mapping again, see COBOL Wrapper or IDL Extractor for COBOL and retry.

- If you are using *server-side* mapping files (.svm), deploy the correct server mapping to the RPC server. See *Deploying Server-side Mapping Files* in the respective RPC server documentation.

  Note: For IMS Connect and CICS ECI connections with the webMethods EntireX Adapter for Integration Server, server-side mapping files are not deployed. They are wrapped into the Integration Server connection - the same as client-side mapping files. You need to update your Adapter connection. See *Step 3: Create or Update an Adapter Connection* in the Integration Server Wrapper documentation. For RPC connections, deployment to the target RPC server is mandatory.

- If you are using *client-side* mapping files (.cvm), you need to rebuild all RPC clients communicating with this RPC server program. Select the appropriate wrapper (see *EntireX Wrappers*) and re-generate the client interface objects. For RPC connections with the webMethods EntireX Adapter for Integration Server, you need to update your Adapter connection. See *Step 3: Create or Update an Adapter Connection* in the Integration Server Wrapper documentation.

If this fails, contact Software AG support.

10050100	**Reserved**

10050101	**Server mapping file in use........... Yes**
Explanation	If the RPC server uses a server-side mapping container, this message will be printed, otherwise no message. See *Server-side Mapping Files* in the respective RPC server documentation.
Action	None.

10050102	**EXTRACTOR service name reserved for internal use**
Explanation	The RPC server did not come up. In the RPC server configuration, EXTRACTOR is specified as the broker service name, but EXTRACTOR is used for internal purposes of the RPC server and is a Software AG reserved service name.
Action	Do not specify EXTRACTOR as the broker service name in the RPC server configuration, and restart the RPC server.

10050103	**DEPLOYMENT service name reserved for internal use**
Explanation	The RPC server did not come up. In the RPC server configuration DEPLOYMENT is specified as the broker service name, but DEPLOYMENT is used for internal purposes of the RPC server and is a Software AG reserved service name.
Action	Do not specify DEPLOYMENT as the broker service name in the RPC server configuration, and restart the RPC server.

10050104	**Deployment service defined but could not open SVM file**
Explanation	The RPC server did not come up. In the RPC server configuration, the deployment service is specified (see *Deployment Service* in the respective RPC server sections of the documentation), but the server-side mapping container could not be opened.
Action	Check your installation. Possible reasons:

■ The server-side mapping container is missing. For configuration see *Enabling the Deployment Service* in the respective RPC server sections of the documentation.

■ The server-side mapping container has mismatched DCB parameter.

■ ....

10050110	**Call for CICS DFHCOMMAREA exceeds 32K limit**
Explanation	The RPC Server for CICS tried to call an RPC server with an interface of type *CICS with DFHCOMMAREA Calling Convention* (COBOL Wrapper | Extractor), but the length of the data exceeded the CICS DFHCOMMAREA maximum of 32 KB.
Action	Check the interface type of the target RPC server program called:

■ If it is *not* a DFHCOMMAREA interface but a Large Buffer or Channel Container interface, the server mapping file may be missing or is wrong. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL*.

  ■ If you are using *server-side* mapping files (.svm), deploy the correct server mapping to the RPC server. See *Deploying Server-side Mapping Files* in the respective RPC server documentation.

    Note: For IMS Connect and CICS ECI connections with the webMethods EntireX Adapter for Integration Server, server-side mapping files are not deployed. They are wrapped into the Integration Server connection - the same as client-side mapping files. You need to update your Adapter connection. See *Step 3: Create or Update an Adapter Connection* in the Integration Server Wrapper documentation. For RPC connections, deployment to the target RPC server is mandatory.

  ■ If you are using *client-side* mapping files (.cvm), you need to rebuild all RPC clients communicating with this RPC server program. Select the appropriate wrapper (see *EntireX Wrappers*) and re-generate the client interface objects. For RPC connections with the webMethods EntireX Adapter for Integration Server, you need to update your Adapter connection. See *Step 3: Create or Update an Adapter Connection* in the Integration Server Wrapper documentation.

■ If it *is* a DFHCOMMAREA interface, it is not possible to call such an RPC server program. Check if you can migrate the RPC server program to a Large Buffer or Channel Container interface. See *Supported COBOL Interface Types* under *Introduction to the IDL Extractor for COBOL* or *COBOL Server Interface Types* under *Introduction to the COBOL Wrapper*.

10050111	**Cannot load interface library EXX2MF**
Explanation	The EntireX server was started as Micro Focus server, but the interface library *EXX2MF* was not found or could not properly be initialized.
Action	■ Check if the library *EXX2MF* can be found in the standard EntireX installation directory and if it is valid.
	■ Check for the Micro Focus installation if the library directory is located in the OS-library path.
	Note: Software AG might not support Micro Focus on your platform.

10050112	**EXX2MF initialization error**
Explanation	The EntireX interface library *EXX2MF* could not properly perform (thread) initialization.
Action	Check the Micro Focus installation.

10050113	**Invalid usage of SAG service**
Explanation	EntireX services EXTRACTOR or DEPLOYMENT were used other than by broker services EXTRACTOR or DEPLOYMENT.
Action	■ For the EntireX RPC client: use broker service EXTRACTOR and broker service DEPLOYMENT respectively.
	■ For the EntireX RPC server: configure the RPC server with `EXTRACTOR=YES` and `DEPOLOYMENT=YES`.
	■ Allow services EXTRACTOR and DEPLOYMENT in the Broker attribute file.

10050114	**No matching user ID**
Explanation	The EntireX RPC server runs with option `IMPERSONATION=AUTO,SAME_USER`. This requires the client to send both, the EntireX user ID as well as the RPC user ID and the IDs must be equal.
Action	Correct your EntireX client.

10050116	**Deployment service not supported in that configuration**
Explanation	Deployment service is feasible only when using the programming language COBOL for the server programs (see also configuration parameter `MARSHALLING` in the respective RPC documentation section).
Action	Check the RPC server configuration options for consistency.

10050117	**Server mapping file (SVM) parameter required**
Explanation	By default, COBOL support under UNIX or Windows requires a server-side mapping container, but no container was specified.
Action	Correct the RPC server configuration and provide a server-side mapping container; see *Server-side Mapping Files* in the RPC Server for Micro Focus documentation.

10050118	**No SVM file/record found but required**
Explanation	The RPC server runs with COBOL support but no server mapping file was found for this particular RPC request, where one is required. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL*.

Action

■ If you are using *server-side* mapping files (.svm), deploy the correct server mapping to the RPC server. See *Deploying Server-side Mapping Files* in the respective RPC server documentation.

Note: For IMS Connect and CICS ECI connections with the webMethods EntireX Adapter for Integration Server, server-side mapping files are not deployed. They are wrapped into the Integration Server connection - the same as client-side mapping files. You need to update your Adapter connection. See *Step 3: Create or Update an Adapter Connection* in the Integration Server Wrapper documentation. For RPC connections, deployment to the target RPC server is mandatory.

■ If you are using *client-side* mapping files (.cvm), you need to rebuild all RPC clients communicating with this RPC server program. Select the appropriate wrapper (see *EntireX Wrappers*) and re-generate the client interface objects. For RPC connections with the webMethods EntireX Adapter for Integration Server, you need to update your Adapter connection. See *Step 3: Create or Update an Adapter Connection* in the Integration Server Wrapper documentation.

10050119	**Wrong SVM record type found**
Explanation	The server mapping file accessed with IDL library and IDL program is inconsistent and does not match the RPC request. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL*.
Action	Check you have the latest updates for the Designer installed. Try to produce the server mapping again and retry. See COBOL Wrapper or IDL Extractor for COBOL.

■ If you are using *server-side* mapping files (.svm), deploy the correct server mapping to the RPC server. See *Deploying Server-side Mapping Files* in the respective RPC server documentation.

Note: For IMS Connect and CICS ECI connections with the webMethods EntireX Adapter for Integration Server, server-side mapping files are not deployed. They are wrapped into the Integration Server connection - the same as client-side mapping files. You need to update your Adapter connection. See *Step 3: Create or Update an Adapter Connection* in the Integration Server Wrapper documentation. For RPC connections, deployment to the target RPC server is mandatory.

- If you are using *client-side* mapping files (.cvm), you need to rebuild all RPC clients communicating with this RPC server program. Select the appropriate wrapper (see *EntireX Wrappers*) and re-generate the client interface objects. For RPC connections with the webMethods EntireX Adapter for Integration Server, you need to update your Adapter connection. See *Step 3: Create or Update an Adapter Connection* in the Integration Server Wrapper documentation.

If this fails, contact Software AG support.

10050120	**WARNING! API-area was exceeded! Lib=<Library> Pgm=<program>**
Explanation	The RPC server detected a memory override by the called server program behind the provided interface (API).
Action	■ COBOL: Check that the *Software AG IDL File* in the IDL Editor documentation and *Server Mapping Files for COBOL* match the called server program. ■ Other: Check that the *Software AG IDL File* in the IDL Editor documentation matches the called server program.

10050122	**EntireX RPC server error 122 occurred**
Explanation	An error occurred within the RPC Server runtime while deallocating storage during worker task shutdown.
Action	None.

10050123	**Invalid transaction ID**
Explanation	The (CICS) RPC server was started with transaction ID different to the transaction-id that was specified in ERXMAIN control block.
Action	The transaction IDs must be unique.

10050124	**Server already active**
Explanation	An attempt was made to start (CICS) RPC server a second time.
Action	This message was issued by the RPC server (see also message 10170004). Only one server instance can be started using the same shared memory block (ERXMAIN control block).

10050125	**No free server resources available**
Explanation	An attempt was made to start an RPC worker or user task, but the allocated thread table has no more free entries.
Action	Either reduce the MAXW parameter or increase the SIZE parameter. Check also the server log file for errors, because this situation may also be caused by aborting threads.

10050126	**RPC Server is initialized**
Explanation	Message of RPC server running under z/OS. Informational. Supports process automation.
Action	None.

10050127	**RPC in closure**
Explanation	Message of RPC server running under z/OS. Informational. Supports process automation.
Action	None.

10050129	**Invalid parameter/program search order**
Explanation	Internal error.
Action	Contact Software AG support

10050130	**Service not supported. (<service>)**
Explanation	The server was configured to use a feature that is not supported under this operating system.
Action	Change server configuration.

10050131	**Setting CICS sync point failed (<resp>, <resp2>)**
Explanation	RPC server under CICS tried to perform `EXEC CICS SYNCPOINT` (due to end of conversation) but failed.
Action	Check CICS response codes for this error.

10050132	**Server option <option> deprecated**
Explanation	At startup, the server found an option that is deprecated.
Action	The message is informational. Normally, the option will still be supported for compatibility reasons, but support may be withdrawn in a future release. See EntireX Release Notes for recommended action.

10050134	**Reserved for internal use.**

10050135   **Reserved for internal use.**

10050136   **Reserved for internal use.**

10050137   **Reserved for internal use.**

10050138   **Reserved for internal use.**

10050139   **Reserved for internal use.**

10050140   **Reserved for internal use.**

10050141   **Broker resources are currently not available \<additional info\>**

Explanation   RPC server received broker status: broker not available (error class 0215) or broker
resource shortage (error classes 0036 and 0037). These status codes will be considered
as a temporary bottleneck. Depending on RPC server option `RESTARTCYCLES`, the
server will try to reconnect the broker within this restart period.

Action   No action is required if the broker problems are solved within the RPC server restart
period.
Otherwise check broker job/log for problems.

10050142   **RPC Server initialization timeout at worker creation**

Explanation   A final step of the server initialization is to launch the configured minimum number
of worker tasks. If this does not succeed within 10 seconds, the server aborts the
initialization.

Action   Verify server output for additional messages indicating problems with the worker
initialization. Verify server trace output for additional error messages.

10050143   **Server returned invalid data**

Explanation   The RPC server received an area from the called server program with a length less
than expected. The RPC call is invalid. This situation can occur in environments that
may alter the reply length, such as *CICS with* `DFHCOMMAREA` *Large Buffer Interface*
(COBOL Wrapper | Extractor) or *CICS with Channel Container Calling Convention*
(COBOL Wrapper | Extractor).

Action   Check the EntireX RPC environment for consistency. The expected reply length does
not match the length provided the called server program. Consider using fixed arrays
in a variable manner or optional output. See *Set Array Mapping (fixed \<-\> unbounded)*
for interface type DFHCOMMAREA (In same as Out, In different to Out) | Large

Buffer (In same as Out, In different to Out) | Channel Container | IMS Connect | COBOL Converter (In same as Out, In different to Out)

10056971	**EntireX RPC server error 6971 occurred**
Explanation	The cause of the error and corrective action depends on the type of your RPC server.
Action	■ If the server is an EntireX RPC server, contact Software AG support because of internal problems within the server.
	■ If the server is a Natural RPC Server, see the appropriate Natural documentation for error 6971.

10056974	**EntireX RPC server error 6974 occurred**
Explanation	The cause of the error and corrective action depends on the type of your RPC server.
Action	■ If the server is an EntireX RPC server, increase your memory resources and retry the program because a memory request could not be fulfilled by the operating system.
	■ If the server is a Natural RPC Server, see the appropriate Natural documentation for error 6974.

10056977	**EntireX RPC server error 6977 occurred**
Explanation	The EntireX/Natural RPC request could not be executed.
Action	Examine the log of the EntireX/Natural RPC Server for the cause of the malfunction.

10056978	**EntireX RPC server error 6978 occurred**
Explanation	The cause of the error and corrective action depends on the type of your RPC server.
Action	■ If the server is an EntireX RPC server, the reason could be an invalid compression value.
	■ If the server is a Natural RPC Server, refer to the appropriate Natural documentation for error 6978.

34 Message Class 1006 - DCOM Wrapper

This message class is returned if an error occurred in the DCOM Wrapper. Messages of this class have the format:

1006*nnnn*

where 1006   is the message class, and

      nnnn   is the message number in the range 0000 - 9999.

10060001	**User ID - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for user ID.
Action	Check access to user ID. The correct data type for user ID is the automation data type `BSTR`.

10060002	**User ID - invalid length (maximum length is 32 characters)**
Explanation	The user ID is too long.
Action	Check access to user ID. Maximum length of user ID is 32 characters.

10060003	**Password - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for password.
Action	Check access to password. The correct data type for password is the automation data type `BSTR`.

10060004	**Password - invalid length (maximum length is 32 characters)**
Explanation	The password is too long.
Action	Check access to password. Maximum length of password is 32 characters.

10060005	**New password - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for new password.
Action	Check access to new password. The correct data type for new password is the automation data type `BSTR`.

10060006	**New Password - maximum length is 32 characters**
Explanation	The new password is too long.
Action	Check access to new password. Maximum length of new password is 32 characters.

10060008	**RPC user ID - maximum length is 32 characters**
Explanation	The RPC user ID is too long.
Action	Check access to RPC user ID. Maximum length of RPC user ID is 32 characters.

10060010	**RPC password - maximum length is 32 characters**
Explanation	The RPC password is too long.
Action	Check access to RPC password. Maximum length of RPC password is 32 characters.

10060011	**Token - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for token.
Action	Check access to token. The correct data type for token is the automation data type `BSTR`.

10060012	**Token - maximum length is 16 characters**
Explanation	The token is too long.
Action	Check access to token. Maximum length of token is 16 characters.

10060014	**Security token - maximum length is 32 bytes**
Explanation	The security token is too long.
Action	Check access to security token. Maximum length of security token is 32 bytes.

10060015	**Broker ID - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for Broker ID.
Action	Check access to server address. The correct data type for Broker ID is the automation data type `BSTR`.

10060016	**Broker ID - maximum length is 32 characters**
Explanation	The Broker ID is too long.
Action	Check access to server address. Maximum length of Broker ID is 32.

10060017	**Server Class - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for server class.
Action	Check access to server address. The correct data type for server class is the automation data type `BSTR`.

10060018	**Server Class - maximum length is 32 characters**
Explanation	The server class is too long.
Action	Check access to server address. Maximum length of server class string is 32 characters.

10060019	**Server Name - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for server name.
Action	Check access to Server Address. The correct data type for server name is the automation data type `BSTR`.

10060020	**Server Name - maximum length is 32 characters**
Explanation	The server name string is too long.
Action	Check access to server address. Maximum length of server name string is 32 characters.

10060021	**Service Name - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for service name.
Action	Check access to server address. The correct data type for service name is the automation data type `BSTR`.

10060022	**Service Name - maximum length is 32 characters**
Explanation	The service name string is too long.
Action	Check access to server address. Maximum length of service name string is 32 characters.

10060023	**Invalid server address format**
Explanation	The format of server address is invalid.
Action	Check access to server address. The correct format is <brokerID>[:<port>]@server class/server name/service name.

10060024	**Invalid server address**
Explanation	The server address string is invalid.
Action	Check access to server address. The correct format is <brokerID>[:<port>]@server class/server name/service name.

10060026	**Library name - maximum length is 8 characters**
Explanation	The library name is too long.
Action	Check access to Library. Maximum length of library name is 8 characters.

10060027	**Natural Logon - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for Natural Logon.
Action	Check access to Natural Logon. The correct data type for Natural Logon is the automation data type `BSTR`.

10060028	**Natural Logon - invalid length**
Explanation	The Natural Logon consists of more than one character.
Action	Check access to Natural Logon. Values for Natural Logon are 'N' or 'Y', or use the definition in `ERX.H` `ERX_NATURAL_LOGON_NO` or `ERX_NATURAL_LOGON_YES`, respectively.

10060029	**Compression - invalid type**
Explanation	The method `SetInfo()` is called with the wrong data type for compression.
Action	Check access to compression. The correct data type for compression is the automation data type `BSTR`.

10060030   **Compression - invalid length**

Explanation   The Compression consists of more than one character.

Action   Check access to compression. Values are ' ' or '2', or use the definition in `ERX.H` `ERX_COMPRESSION_NO` or `ERX_COMPRESSION_YES`, respectively.

10060031   **Timeout - invalid type**

Explanation   The method `SetInfo()` is called with the wrong data type for timeout.

Action   Check access to timeout. The correct data type for timeout is the automation data type `LONG`.

10060033   **Force Logon - invalid type**

Explanation   Wrong data type for `ForceLogon` attribute.

Action   Check access to `ForceLogon`. The correct data type for `ForceLogon` is the automation data type `BSTR`.

10060034   **Force Logon - invalid length**

Explanation   Wrong length of `ForceLogon` attribute.

Action   Check access to `ForceLogon`. Maximum length of `ForceLogon` is 1 character.

10060035   **Encryption Level - invalid type**

Explanation   Wrong data type for `EncryptionLevel` attribute.

Action   Check access to `EncryptionLevel`. The correct data type for `EncryptionLevel` is the automation data type `BSTR`.

Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

10060036   **Encryption Level - invalid length**

Explanation   Wrong length of `EncryptionLevel` attribute.

Action   Check access to `EncryptionLevel`. Maximum length of `EncryptionLevel` is 1 character.

Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

10060037	**SSL String - invalid type**
Explanation	Wrong data type for SSL string
Action	Check access to SSL string. The correct data type for SSL string is the automation data type `BSTR`.

10060039	**Property: string too long**
Explanation	The string is longer than determined in the IDL file.
Action	Check access to attributes inside a group definition.

10060040	**Property: get invalid array**
Explanation	An attempt is made to set a property for an array which contains at least one corrupt element.
Action	Check and correct the application.

10060041	**Property: get null pointer**
Explanation	The property is accessed with a null pointer.
Action	Check and correct the application.

10060042	**Date format is invalid**
Explanation	Wrong data type for date attribute.
Action	Check variables used in method call. The automation data type for date is double.

10060043	**Time format is invalid**
Explanation	Wrong data type for time attribute.
Action	Check variables used in method call. The automation data type for time is double.

10060044	**Sign found that is not in first position of alpha-string**
Explanation	The alpha-string to be converted to a Natural data type Packed or Non-packed contains a sign character on first position of the alpha string.
Action	Check and correct the application.

10060045	**Alpha string with multiple signs found**
Explanation	The number string contains more than one sign.
Action	Check and correct the application.

10060046	**Alpha string with multiple precisions found**
Explanation	The number string contains more than one decimal point.
Action	Check and correct the application.

10060047	**Alpha string contains invalid character**
Explanation	The number string contains unexpected characters.
Action	Check and correct the application.

10060048	**Alpha string with more digits than defined**
Explanation	The number format is invalid, the number string has more digits than expected.
Action	Correct the application.

10060050	**More digits before decimal point than defined**
Explanation	The format of number is invalid, the number has more digits before the decimal point than expected.
Action	Correct the application.

10060051	**More digits after decimal point than defined**
Explanation	The format of the number is invalid, the number has more digits after the decimal point than expected.
Action	Correct the application.

10060052	**Loss of precision during conversion**
Explanation	A value of N/P data type is cut or rounded during conversion.
Action	Check your N/P data types. Resize these data types in the Software AG IDL file or change the feature setting.

10060053	**Number/string is too long**
Explanation	A value is cut or rounded during conversion.
Action	Check your values. Correct values in your application or change feature setting.

10060054	**Parameter out of range**
Explanation	A numeric data type is used with a value which exceeds the valid range.
Action	Correct values in your application.

10060055	**Length of K data type must be an even number for the current codepage**
Explanation	A K data type is not correctly specified in the IDL file for the used codepage.
Action	Check the K data type in the IDL file. Change the length of the K data type in the IDL file to an even number and re-generate the object.

10060057	**Conversion from Numeric to Alpha failed**
Explanation	The conversion from Natural data type Packed or Non-packed failed.
Action	Check the values of the attributes with N or P declaration in the IDL file.

10060058	**Conversion from Alpha to Numeric failed**
Explanation	The conversion from a string to Natural data type Packed or Non-packed failed.
Action	Check the values of the attributes with N or P declaration in the IDL file.

10060059	**MultiByte to WideCharacter conversion failed**
Explanation	The conversion from local character set to wide character set failed.
Action	Internal or user error. Retry method call.

10060060	**WideCharacter to MultiByte conversion failed**
Explanation	1. Converted string is longer than size of data type specified in the IDL file.
	2. Conversation method cannot convert the input wide-character string to multibyte-character string. The input string may have invalid characters.
	3. The codepage used does not exist.
Action	1. Check the length of the input string.
	2. Check the input string.
	3. Check the codepage number entered in the `CodePage` property.

10060061	**String allocation failed**
Explanation	The automation server cannot allocate a string.
Action	Increase your free memory, for example by closing another application.

10060062	**String reallocation failed**
Explanation	The automation server cannot reallocate a string.
Action	Increase your free memory, for example by closing another application.

10060063	**Corrupt pointer**
Explanation	The conversion method received a null pointer and cannot handle this situation.
Action	Check and initialize this pointer with a valid value.

10060064	**Memory allocation failed**
Explanation	The automation server cannot allocate the required memory.
Action	Increase your free memory, for example by closing another application.

10060065	**Wrong dimension of array**
Explanation	The array has an at least one unexpected dimension.
Action	Correct your program.

10060066	**Invalid array**
Explanation	An array is corrupt.
Action	Correct your program.

10060067	**Access to array failed**
Explanation	An array has at least one corrupt element.
Action	Check and correct your program.

10060068	**Invalid group array**
Explanation	The array or one of its elements is corrupt.
Action	Correct your program.

10060069	**Registration failed**
Explanation	Something went wrong during the registration of the ERX runtime.
Action	Make sure that the ERX runtime and the DCOM Wrapper template have the same version.

10060070	**Unexpected method call**
Explanation	User has tried to redim a fixed-size array or the dimension of the accessed array is wrong.
Action	Check and correct the application.

10060071	**A scalar value is used as array**
Explanation	A scalar data type was used, where an array was expected.
Action	Check and correct the application.

10060072	**Illegal attempt to redim a fixed-size array**
Explanation	User has tried to redim a fixed-size array
Action	Check and correct the application.

10060073	**Property put to an index number out of range**
Explanation	Property put was attempted to an index number out of range.
Action	Check and correct the application.

10060074	**Bad array index**
Explanation	The array received from the server does not fit into the array data structure defined on the client side.
Action	Check if client and server use the same data stuctures.

10060080	**Variable-size array contains substructure with wrong dimension**
Explanation	User has tried to redim an array in an undefined dimension.
Action	Check and correct the application.

10060081   **Variable-size array exceeded the maximum for one dimension**

Explanation   User has tried to redim an array and the new size exceeds the defined size.

Action   Check the maximum size allowed in the IDL file and correct the application.

10060082   **Null pointer exception**

Explanation   The variable array is not defined or not accessible.

Action   Internal or user error. Retry method call.

10060083   **Access of variable-size array with bad index**

Explanation   The index of the array is not defined or not accessible.

Action   Check and correct the application.

10060084   **Number of dimensions of a variable-size array too small**

Explanation   The accessed dimension of the array does not exist.

Action   Check and correct the application.

10060085   **Variable-size array has an element with unexpected type**

Explanation   The variable is not an array or the type of the array is not correct.

Action   Check and correct the application.

10060086   **Variable-size array**

Explanation   The accessed variable is not an array

Action   Check and correct the application.

10060090   **Wrong usage of redimension method**

Explanation   The accessed dimension of the array does not exist.

Action   Please redim the 1st dimension of the array first.

10060091   **Out of bounds exception**

Explanation   The accessed dimension of the array does not exist

Action   Internal or user error. Retry method call.

10060092	Null pointer exception
Explanation	The array is not defined or not accessible.
Action	Internal or user error. Retry method call.

10060093	Index exceeded maximum value
Explanation	The accessed index of the array exceeds the upper bound.
Action	Check and correct the application.

10060096	Access of a structure with null pointer
Explanation	The accessed structure does not exist.
Action	Check and correct the application.

10060097	Illegal index of required structure
Explanation	The accessed index of the structure does not exist.
Action	Check and correct the application.

10060100	RPC runtime is not available
Explanation	The ERX.DLL does not exist in the EntireX installation.
Action	Check if the EntireX RPC Runtime was installed correctly.

10060101	IDL data type <data type> not supported: <text>
Explanation	The data type is not supported by the DCOM Wrapper. Programs with this data type will be ignored.
Action	No action required.

10061001	Unhandled exception caught. <text>
Explanation	There was an unexpected exception caught. The exception might be reported by any used runtime component of EntireX or Microsoft Visual Studio. Please refer the <text> to get detailed information about the reason of this problem.
Action	Please see the generated log file for detailed information. The log will be automatically generated into your Microsoft Visual Studio environment. Contact Software AG support.

10061002	Unsupported wizard type
Explanation	The Microsoft Visual Studio tries to uses an unsupported wizard type. The EntireX DCOM Wrapper Microsoft Visual Studio Wizard supports only the following wizard types: "Create New Solution" and "Add to Solution".
Action	Refer to the Microsoft Visual Studio documentation. Select supported wizard type and retry.

10061003	EntireX installation was not found
Explanation	The EntireX DCOM Wrapper Microsoft Visual Studio Wizard requires an EntireX installation to work.
Action	Install EntireX and retry.

10061004	Java Runtime not found
Explanation	The EntireX DCOM Wrapper Microsoft Visual Studio Wizard requires a Java runtime installation to work. Typically a Java runtime will be installed together with the EntireX installation.
Action	Check your EntireX installation or install Java runtime and retry.

10061005	Software AG IDL file not found
Explanation	The chosen IDL file in the EntireX DCOM Wrapper Microsoft Visual Studio Wizard main panel does not exist.
Action	Check the IDL file name and choose a valid file name.

10061006	Cancel execute, because no IDL file is chosen
Explanation	The input field for the IDL file in the EntireX DCOM Wrapper Microsoft Visual Studio Wizard main panel is empty.
Action	Check the IDL file name and choose a valid file name.

10061007	Generation of a DCOM Wrapper object has failed
Explanation	The generated DCOM Wrapper object could not be found after generation the object.
Action	Check the DCOM Wrapper object file.

10061008	**Problem while adding a reference to the project. <text>**
Explanation	The generated DCOM Wrapper object could not be added to the project references. See the <text> for detailed information about the reason of this problem.
Action	Please see the generated log file for detailed information. The log will be automatically generated into your Microsoft Visual Studio environment. Contact Software AG support.

10061009	**Problem reading template file. <text>**
Explanation	The project source code template file could not be added to the project. See the <text> for detailed information about the reason of this problem.
Action	Please see the generated log file for detailed information. The log will be automatically generated into your Microsoft Visual Studio environment. Contact Software AG support.

10061010	**Problem writing template file. <text>**
Explanation	The project source code template file could not be copied into the project directory. See the <text> for detailed information about the reason of this problem.
Action	Please see the generated log file for detailed information. The log will be automatically generated into your Microsoft Visual Studio environment. Contact Software AG support.

10061011	**Problem to create a new project file from template. <text>**
Explanation	The Visual Studio project file could not be created. See the <text> for detailed information about the reason of this problem.
Action	Please see the generated log file for detailed information. The log will be automatically generated into your Microsoft Visual Studio environment. Contact Software AG support.

10061012	**Problem to create a new solution. <text>**
Explanation	The Visual Studio solution file could not be created. See the <text> for detailed information about the reason of this problem.
Action	Please see the generated log file for detailed information. The log will be automatically generated into your Microsoft Visual Studio environment. Contact Software AG support.

10061013	**Problem to generate DCOM Wrapper Object. \<text\>**
Explanation	The generation of the DCOM Wrapper object could not be completed. The selected IDL file might be not valid.
Action	Check the IDL file.

10061014	**Internal Problem! Please see log file for more details**
Explanation	The EntireX DCOM Wrapper Microsoft Visual Studio Wizard has detected an internal problem. The reason for this problem will be added to the log file.
Action	Please see the generated log file for detailed information. The log will be automatically generated into your Microsoft Visual Studio environment. Contact Software AG support.

10061015	**IDL program has a client-side mapping (CVM). DCOM RPC clients not supported: \<library\>/\<program\>**
Explanation	RPC clients generated with the DCOM Wrapper do not support client-side mapping files (Natural | COBOL). The appendix of the message gives you the IDL library and IDL program name causing the error.
Action	None.

10061016	**IDL types N/NU/P/PU with more than 29 digits are not supported: \<library\>/\<program\>/\<parameter\>**
Explanation	The DCOM Wrapper does not support IDL N/NU/P/PU data types with more than 29 digits (before and after decimal point). The appendix of the message gives you the IDL library, IDL program name and IDL parameter causing the error.
Action	None.

10061017	**IDL types N/NU/P/PU with more than 7 digits after decimal point are not supported: \<library\>/\<program\>/\<parameter\>**
Explanation	The DCOM Wrapper does not support IDL N/NU/P/PU data types with more than 7 digits after decimal point. The appendix of the message gives you the IDL library, IDL program name and IDL parameter causing the error.
Action	None.

35 Message Class 1008 - EntireX License

This class indicates an error occurred in the evaluation of the EntireX license file. Messages of this class have the format:

1008*nnnn*

where 1008   is the message class, and

    nnnn   is the message number in the range 0000 - 9999.

10080001	**EntireX license file :1: not found**
Explanation	The EntireX XML license key file was not found.
Action	Check the filename :1:. Check that the EntireX component has read access to the EntireX license file. On UNIX, check the environment variable `$EXXDIR`. If this is correct, contact Software AG support.

10080002	**The EntireX license has expired**
Explanation	Your EntireX license has expired.
Action	Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080003	**EntireX is not licensed for your operating system**
Explanation	Your EntireX license is not valid for your operating system.
Action	Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080004   **EntireX license file does not contain a valid key**

Explanation   Your EntireX XML license key file is incorrect and thus invalid.

Action   Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080005   **EntireX license file has been changed or is corrupt**

Explanation   Your EntireX XML license key file is incorrect and thus invalid.

Action   Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080006   **Internal error :1: in Software AG license interface**

Explanation   An internal error occurred during the EntireX license check.

Action   Contact Software AG support.

10080007   **EntireX license file does not contain EntireX Broker**

Explanation   Your EntireX XML license key file is incorrect and thus invalid.

Action   Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080008   **Invalid subcomponent :1: in component :2:**

Explanation   The license file does not contain the required subcomponent :1: in the section :2:.

Action   Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080009   **EntireX license: memory allocation error**

Explanation   The operating system could not satisfy a memory request.

Action   Increase your memory resources if possible, or contact Software AG support.

10080010   **Unable to determine SAG_COMMON**

Explanation   The environment variable $SAG is missing. The installation would appear to be incorrect.

Action   Make sure that the product you are using was installed correctly. Otherwise contact Software AG support.

10080011	PATH length exceeded for license key file
Explanation	The maximum path length is 255 characters. The absolute path (path and file name) of the license file exceeds this maximum length.
Action	If possible, reinstall EntireX on a file system location with a shorter path length. Otherwise contact Software AG support.

10080012	EntireX license file has no entry for Version :1:
Explanation	The license file does not contain the required version information.
Action	Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080013	Price unit value of EntireX license file is not valid
Explanation	z/OS: Your EntireX XML license key file is incorrect and thus invalid.
Action	Contact Software AG support.

10080014	Error from QVS interface
Explanation	z/OS: The query interface returned a bad return code.
Action	No action required.

10080015	CPUID :1: is not defined in EntireX license file
Explanation	z/OS: Your EntireX XML license key file does not contain the CPUID :1:.
Action	Contact Software AG support.

10080016	LPAR name :1: is not defined in EntireX license file
Explanation	z/OS: Your EntireX XML license key file does not contain the LPAR name :1:.
Action	Contact Software AG support.

10080017	LPAR name is not accepted with CPU-based pricing model
Explanation	z/OS: Your EntireX XML license key file is incorrect.
Action	The error is currently ignored.

10080018	**Machine capacity higher than MSU in EntireX license file**
Explanation	z/OS: Your EntireX XML license key file is incorrect.
Action	The error is currently ignored.

10080019	**Please check licensed MSU value :1: with SCRT Report**
Explanation	z/OS: Your EntireX XML license key file is incorrect.
Action	The error is currently ignored.

10080020	**High Availability PStore (RUN-MODE=STANDBY) not licensed**
Explanation	This license option for this feature is missing.
Action	Contact Software AG support.

10080021	**CPUID :1: is not defined in EntireX license file. It is therefore assumed that you are running in a Disaster Recovery environment**
Explanation	z/OS: Your EntireX XML license key file does not contain the CPUID :1:.
Action	Contact Software AG support.

10080022	**Not running in a VM**
Explanation	EntireX is not running in a virtual machine.
Action	Request a new license to run EntireX in a non-VM environment.

10080023	**Error during VM determination**
Explanation	An internal error occurred during determination of virtual machine.
Action	Contact Software AG support.

10080024	**Present CPU is in a higher performance bucket than licensed**
Explanation	The performance bucket in the license key file does not match the CPU of the machine.
Action	Contact Software AG support to request an upgrade of the license key file.

10080025	**Error during determination of bucket**
Explanation	An internal error occurred during determination of the bucket.
Action	Contact Software AG support.

10080026	**Error during determination of CPU model**
Explanation	An internal error occurred during determination of the CPU model.
Action	Contact Software AG support.

10080027	**Provided buffer is too small**
Explanation	An internal error occurred.
Action	Contact Software AG support.

10080028	**File read error (fread)**
Explanation	The license key file could not be read.
Action	Check if the license key file can be read.

10080029	**Trial License Key file must not be write-protected**
Explanation	The license key file cannot be modified.
Action	Check the file attributes of the license key file. Set it to writable.

10080030	**ASCII-to-EBCDIC (or vice versa) conversion error occurred**
Explanation	An internal error occurred during conversion of the license data.
Action	Check if the correct license file was used.

10080031	**UTF Conversion Source exhausted**
Explanation	An internal error occurred during conversion of the license data.
Action	Contact Software AG support.

10080032	**UTF Conversion Target exhausted**
Explanation	An internal error occurred during conversion of the license data.
Action	Contact Software AG support.

10080033	**File write error (fwrite)**
Explanation	The license key file cannot be modified.
Action	Check if write permission is missing or if no space is available.

10080034   **GetVersion() failed**

Explanation	An internal error occurred.
Action	Contact Software AG support.

10080035   **File read error (fseek)**

Explanation	The license key file is corrupted and cannot be read.
Action	Contact Software AG support.

10080036   **Number of physical CPUs present exceeded**

Explanation	The license key file does not reflect the actual number of physical CPUs.
Action	Contact Software AG support to request an upgrade of the license key file.

10080037   **Determination of number of CPUs failed**

Explanation	An internal error occurred during determination of the number of CPUs.
Action	Contact Software AG support.

10080038   **Virtualized environment not included in your product license**

Explanation	EntireX is running in a virtual machine without being licensed.
Action	Request a new license to run EntireX in a VM environment.

10080041   **Cannot load library :1:**

Explanation	The library :1: is not found.
Action	Check if library is missing or has wrong permission. Contact Software AG support.

10080042   **Cannot find entry point :1: in :2:**

Explanation	An internal error. May happen if a license library of a wrong version is used.
Action	Contact Software AG support.

10080043   **The Java system property entirex.license.location is not set**

Explanation	The Java system property entire.license.location should point to the location of your EntireX license file.
Action	Check that the Java system property entire.license.location is set and points to a valid EntireX license file.

10080081	**The EntireX Adapter license key file does not contain a license for connections to IMS Connect**
Explanation	This license option for this feature is missing.
Action	Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080082	**The EntireX Adapter license key file does not contain a license for connections to CICS ECI**
Explanation	This license option for this feature is missing.
Action	Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080083	**The EntireX Adapter license key file does not contain a license for connections to Direct RPC**
Explanation	This license option for this feature is missing.
Action	Enter a valid license file on the EntireX Installation preference page or contact Software AG support.

10080099	**Component EntireXBroker without Broker Yes**
Explanation	Broker is not authorized to run. Only the Administration Service with `RUN-MODE=ADMIN` can be started with this license file.
Action	If you want to run a broker other than the Administration Service, contact Software AG support.

36 Message Class 1011 - User-definable SAGTRPC

Conversion Exit

This class indicates errors returned from the SAGTRPC user exit. This class represents errors which can be defined by the developer of the SAGTRPC user exit. The errors documented here occur in the delivered SAGTRPC user exit example and it is not recommended to change the meaning of the errors in your own implementation of the SAGTRPC user exit. The meaning of the error 10119999 must not be changed because the broker checks for it. If you change the meaning of the errors, refer to your implementation of the SAGTRPC user exit. Messages of this class have the format:

1011*nnnn*

where 1011   is the message class, and

nnnn   is the message number in the range 0000 - 9999.

10110001	**Invalid Function**
Explanation	The function code passed from EntireX to the SAGTRPC user exit is invalid.
Action	If you not have changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.

10110002	**Unsupported Function**
Explanation	The function code passed from EntireX to the SAGTRPC user exit is not supported by your SAGTRPC user exit.
Action	If you not have changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.

10110003	**Invalid Direction**
Explanation	The direction indicator passed from EntireX to the SAGTRPC user exit is invalid.
Action	If you not have changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.

10110004	**Invalid Length**
Explanation	The length of the input buffer is invalid (zero).
Action	If you not have changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.

10110005	**Codepage not supported**
Explanation	The codepage passed from EntireX to the SAGTRPC user exit is not supported.
Action	If you have not changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.

10110006	**UECB missing**
Explanation	The user exit control block passed to the SAGTRPC user exit is missing.
Action	If you not have changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.

1010007	**Invalid InputBuffer**
Explanation	The input buffer passed to the SAGTRPC user exit is missing.
Action	If you not have changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.

10110008	**Invalid OutputBuffer**
Explanation	If you not have changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.
Action	Contact Software AG support.

10110009	**No Codepages defined**
Explanation	There are no codepages defined within the SAGTRPC user exit.
Action	If you have not changed the original meaning of the error message, contact Software AG. Otherwise check your SAGTRPC user exit.

10119999	**Output Buffer overflow**
Explanation	This SAGTRPC user exit error signals an overflow of the output buffer during conversion from the SAGTRPC user exit to the broker. The meaning of this error must not be changed because the broker checks for it and, for the receiving application, tries to reread the payload with broker function `RECEIVE,OP=LAST`.
Action	None.

37 Message Class 1016 - EntireX RPC Service Messages

This class is used for messages issued by an EntireX RPC Service. Messages of this class have the format:

1016*nnnn*

where 1016   is the message class, and
    nnnn   is the message number in the range 0000 - 9999.

10161000	**EntireX RPC Service successfully installed**
Explanation	Informational. The Service was successfully installed to Windows Service Manager.
Action	None.

10161001	**EntireX RPC Service failed to install: Windows component - error code**
Explanation	The service could not be installed, see Windows component and error code for failure details.
Action	Check with your system administrator to determine whether the failure is an installation problem. Otherwise contact Software AG support.

10161002	**EntireX RPC Service: Deprecated option = <option>**
Explanation	Warning. A deprecated option was encountered during installation of the service.
Action	The installation of the service will continue. You may wish to remove the named option from the install script.

10162000	**EntireX RPC Service successfully removed**
Explanation	Informational. The service was successfully removed from Windows Service Manager.
Action	None

10162001	**EntireX RPC Service failed to remove: Windows component - error code**
Explanation	The service could not be removed, see Windows component and error code for failure details.
Action	Check with your system administrator to determine whether the failure is an installation problem. Otherwise contact Software AG support.

10163000	**EntireX RPC Service successfully started**
Explanation	Informational. The service successfully launched an EntireX RPC Server.
Action	None

10163001	**EntireX RPC Service failed to start: Windows component - error code**
Explanation	The service could not be started, see Windows component and error code for failure details.
Action	Check with your system administrator to determine whether the failure is an installation problem. Otherwise contact Software AG support.

10164000	**EntireX RPC Service successfully stopped**
Explanation	Informational. The service successfully performed EntireX RPC Server stop operation.
Action	None

10164001	**EntireX RPC Service failed to stop: Component - reason code**
Explanation	The service could not be stopped, see component and reason code for further details.
Action	Check the component and reason code for failure. If it cannot be solved by installation change, contact Software AG support.

10164002	**Warning. EntireX RPC server has unexpectedly stopped with rc=error code**
Explanation	The RPC server stopped for a reason other than Window Service STOP command. The exit code of the DOS command shell will be added for analysis.
Action	Check the reason code to determine whether this is an installation error or a runtime error. For more information install the service with the trace option and analyze the trace files.

38 Message Class 1017 - EntireX RPC Online Maintenance Facility

Messages have the format:

1017*nnnn*

where 1017   is the message class, and

      nnnn   is the message number in the range 0000 - 9999.

10170000	**Reserved**
Explanation	N.A.
Action	N.A.

10170001	**Invalid arg= argument**
Explanation	EntireX RPC Online Maintenance Facility was started with an invalid argument. The Online Maintenance Facility could not be started.
Action	Check documentation for valid arguments and start EntireX RPC Online Maintenance Facility again.

10170002	**Input command invalid command**
Explanation	An invalid command was entered. The command was ignored.
Action	Check documentation for valid commands and syntax and issue again. The RPC Online Maintenance Facility will continue to run.

10170003	**Server already active**
Explanation	An attempt was made to start an RPC server although a server instance is already running. Multiple server instances cannot use the same shared memory block at the same time.
Action	Check reasons:

1. An instance may be running by mistake: cancel this instance (CICS: with `CEMT INQUIRE TASK`, force, reload the shared memory).

2. If more than 1 instance is required, generate a new shared memory block (ERXMAIN) and restart with the new block.

10170004	**A server instance is already running with this control block**
Explanation	There was an attempt to change the content of a shared memory block which is used by a running server instance. The change has been rejected.
Action	If the changes are required for the current shared memory block, stop the associated server first.

If the changes are meant for a different server (different shared memory block), first switch to the other memory block.

10170005	**Cannot start RPC server: Reason= reason-code**
Explanation	The request to start an RPC server failed for a reason other than "1017 0003 Server already active". The (system-dependent) reason code will be added to this error message.
Action	See reason code.

10170006	**Cannot load member**
Explanation	Either the RPC Online Maintenance Facility was started with an invalid memory control block (default: `MEM=ERXMAIN`) or an invalid command (`MEM=`) was issued that refers to an unknown memory block.
Action	1. If the message is displayed during the start of the RPC Online Maintenance Facility, check if the memory control block can be accessed.

2. If the message is displayed after a `MEM=` command, check for typing errors and if the target control block is available.

10170007	**No resources: resource**
Explanation	This is a collecting message for system resource problems. The type of resource problems will be added into this message.
Action	Check *resource* for more information.

10170008	**RPC server termination in progress**
Explanation	For information purposes. The RPC server received a shutdown command, either issued via the RPC Online Maintenance Facility or some external control facility.
Action	None. The server terminates.

10170009	**Invalid ERX control block found: \<Name of control block\>**
Explanation	For some unknown reasons, the EntireX RPC Online Maintenance Facility received an invalid control block. The RPC Online Maintenance Facility terminates.
Action	Contact Software AG support.

10170010	**Server successfully launched**
Explanation	Informational. The user requested to start an RPC server instance.
Action	None. Check launch process if RPC server starts successfully.

39 Message Class 1018 - EntireX RPC-ACI Bridge

Messages have the format:

1018*nnnn*

where 1018   is the message class, and
    nnnn   is the message number in the range 0000 - 9999.

10180000

Explanation	This error can occur if the ACI server sends an invalid message. The ACI server is not able to return an error code. It can only send a valid message or quit the Broker communication.
Action	Correct the ACI server.

10180001   **Process request and reply: illegal action <number indicating action>**

Explanation	During request/reply processing the next action is illegal in the current state.
Action	Contact Software AG support.

10180002   **<Broker Exception with detailed message>**

Explanation	An exception with the Broker for ACI occurred during `SEND`.
Action	See message class and message code of the Broker exception and follow detailed message.

10180003	**\<Broker Exception with detailed message\>**
Explanation	An exception with the Broker for ACI occurred during `RECEIVE`.
Action	See message class and message code of the Broker exception and follow detailed message.

10180004	**\<Broker Exception with detailed message\>**
Explanation	An exception with the Broker for ACI occurred during shutdown and logoff.
Action	See message class and message code of the Broker exception and follow detailed message.

10180009	**\<Exception with detailed message\>**
Explanation	An exception occurred while formatting the message. In most cases, the reason is an inconsistency in the metadata.
Action	See detailed message or contact Software AG support.

10180010	**Compression=off not possible**
Explanation	An RPC with compression 0 is not supported.
Action	Change compression to 1 or 2.

10180011	**Type of marshalling not allowed** **or** **Unsupported call type \<number of call type\>**
Explanation	There are two reasons for this error code.
	1. For the `marshalling` property, values `'cobol'`, `'natural'`, and " are allowed. Reason: The value of the property may be invalid. or: The RPC from the client is in the wrong marshalling.
	2. The RPC call type is wrong.
Action	Check configuration and client.

10180012	**\<Exception with detailed message\>**
Explanation	This exception occurs in message processing.
Action	See detailed message and contact Software AG support.

10180013	**Preparing message failed, see log for details** **or:** **Message received from server does not fit buffer**
Explanation	There are two reasons for this error code:

1. Marshalling of message failed before sending to CICS ECI.

2. The received message does not have the expected layout and the values cannot be unmarshalled from it.

Action	Check the following metadata for consistency or contact Software AG support:

- IDL file, see *Software AG IDL File* in the IDL Editor documentation.
- Server mapping file. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL*.
- Adapter connections.

10180015	**Transformation error on request: <Exception with detailed message>**
Explanation	This exception occurs in message processing.
Action	See detailed message or contact Software AG support.

10180022	**Unsupported command <command>** **or** **Exception: <Exception with detailed message>**
Explanation	There are two reasons for this error code:

1. An unknown internal command is used.

2. An exception occurred during action processing.

The log files contain a stack trace.

Action	See detailed message and log files or contact Software AG support.

40 Message Class 1020 - IDL Extractor for Natural

Messages have the format:

1020*nnnn*

where 1020   is the message class, and

    nnnn   are the error numbers grouped as follows:
        0001-1999: reserved for Natural SYSIDL Server Application (library SYSIDL)
        2000-3999: Communication with Natural and Software AG IDL file handling
        4000-5999: Natural data parameter definition parser
        6000-9999: not yet allocated

10200001	**Data already retrieved - wrong usage**
Explanation	This is an internal error.
Action	Contact Software AG support.

10200002	**Invalid Parameter FCT**
Explanation	This is an internal error.
Action	Contact Software AG support.

10200003	**Error \<number\> in \<name\> occurred**
Explanation	This is an internal error, whereby *\<number\>* is the error given by a module with the name *\<name\>*.
Action	Contact Software AG support.

10200004	**Invalid Parameter FTYPE**
Explanation	This is an internal error.
Action	Contact Software AG support.

10200007	**Buffer for Parameters too small**
Explanation	The maximum number of parameters that can be extracted from a CALLNAT object is restricted.
Action	Contact Software AG support.

10200008	**\<text\>**
Explanation	This is an internal error. See *\<text\>* for more information.
Action	Contact Software AG support.

10200009	**Functionality not supported**
Explanation	This is an internal error.
Action	Contact Software AG support.

10200010	**Internal Error**
Explanation	This is an internal error.
Action	Contact Software AG support.

10200011	**Data Area \<data-area-name\> not found**
Explanation	The data area (PDA with the name *\<data-area-name\>*) referenced in a CALLNAT source was not found in the library of the CALLNAT source and current steplibs.
Action	Check if the data areas referenced in the CALLNAT source are located in the library of the CALLNAT source and current steplibs.

10200012	**Steplib table overflow**
Explanation	This is an internal error.
Action	Contact Software AG support.

10200013	**Unsupported X-Array Lower Bound: <natural-data-type>**
Explanation	Natural X-Arrays with variable lower bounds cannot be mapped to Software AG IDL's Unbounded Arrays. <*natural-data-type*> is the original Natural data type which could not be mapped.

```
Examples: (A100/*:10)
          (I4/*:5)
          (A/*:100) DYNAMIC
```

Action	Whenever possible, try to use X-Arrays with variable upper bounds.

10200014	**Program <program-name> not found**
Explanation	The program with the name <*program-name*> was not found.
Action	Check if the program exists in the current library.

10200015	**<text>**
Explanation	1. If the replied error text is "Unable to load/locate symbol table", either

■ no object was found or

■ an object cataloged under Natural version x was accessed with Natural version y, whereby x > y. You will receive this error message if, for example, you catalog a subprogram under Natural version 4.2, move it afterwards to a Natural 4.1 environment and try to extract the IDL.

2. For all other situations, refer to <*text*> for more information.

Action	For situation 1 you have probably mistyped the object or library name in the command-line interface.

For situation 2, contact Software AG support.

10200016	**SYSSEC<syssec-error-number> <syssec-error-text>**
Explanation	A Natural SYSSEC Application error with the error number <*syssec-error-number*> <*syssec-error-text*> occurred.
Action	You can display the corresponding SYSSEC Application error and explanation if you log on to library SYSSEC in a Natural Session and enter HELP U<syssec-error-number> in the command line.

10200017   **Program not found**

Explanation	The program to extract from does not exist. If you are extracting from a remote source, it is possible that it was deleted by a different user in parallel on the remote side.
Action	Restart the extraction from the beginning.

10200018   **Reserved**

Explanation	None.
Action	None.

10200019   **Unsupported V-array: <original-natural-syntax>**

Explanation	Natural 1:V arrays cannot be extracted with this version of EntireX. The term `<original-natural-syntax>` contains the original Natural definition.
Action	Extract using EntireX 8.1.2 or later, where Natural 1:V arrays are supported.

10200020   **Subprogram does not contain any parameters**

Explanation	You cannot extract from a program without any parameters.
Action	None.

10200021   **Object not found**

Explanation	1. If you are extracting from a mainframe (z/OS, z/VSE, BS2000) remote side, the symbol table cannot be found or the object (program) cannot be loaded. 2. If you are extracting from a UNIX or Windows remote side, the object (program) does not exist. It is possible it was deleted by a different user in parallel on the remote side.
Action	For situation 1: contact Software AG support. For situation 2: none.

10200022   **No library given**

Explanation	You tried to generate a Natural RPC client and set the option to save or stow on the remote side, but no Natural library was specified in which to save or stow it.
Action	Provide a Natural library name.

10200023   **No STOW/SAVE in SYS libraries**

Explanation You tried to generate a Natural RPC client and set the option to save or stow on the remote side in a Natural system (prefix SYS*) library. This is not possible.

Action   Provide a Natural library name for user programs.

10200024   **Generation error. <details>**

Explanation You tried to generate a Natural RPC client and a generation error occurred.

Action   Refer to $\langle details \rangle$ within the message for more information.

10200025   **Error <error-number> from RPCI-MSG**

Explanation You tried to generate a Natural RPC client and an error occurred during access to the message collector interface. The term $\langle error\text{-}number \rangle$ contains the error occurred.

Action   Contact Software AG support.

10200026   **Error during CAT/STOW**

Explanation You tried to generate a Natural RPC client and set the option stow. This may happen if the Natural program is re-generated (a second time) and is currently being edited. This might be in a different session by another user.

Action   Close the editor or try again later.

10200027   **Unsupported array: <original-natural-syntax>**

Explanation You cannot extract from Natural arrays with fixed and variable dimensions, e.g.

      ■ 1 mixed-v-array (A100/10,1:V)

      ■ 1 mixed-x-array (A100/10,1:*)

      These forms are not supported with Software AG RPC technology. The term $\langle original\text{-}natural\text{-}syntax \rangle$ contains the original Natural definition.

Action   None.

10200028   **Natural objects already exist. Mark overwrite to generate. Interface: <idl-program>**

Explanation You tried to re-generate a Natural RPC client (a second time) for the interface defined by the $\langle idl\text{-}program \rangle$ and a previous generated version exists.

Action   Mark to overwrite the previous generated version and retry.

10200029	**Information <details> Interface: <idl-program>**
Explanation	You tried to generate a Natural RPC client for the interface defined by the `<idl-program>`.
Action	None. Refer to `<details>` within the message for more information.

10200030	**Error (reason <reason-code>): <reason-text>**
Explanation	You tried to generate a Natural RPC client or server and an error occurred during generation.
Action	Refer to (`<reason-code>` and `<reason-text>`) within the message for more information.

10200031	**Unsupported data type <original-natural-syntax>**
Explanation	You cannot extract, for example, if the Natural data type C (control variable) is within the interface. The data type `<original-natural-syntax>` is not supported with Software AG RPC technology. The term `<original-natural-syntax>` contains the original Natural definition.
Action	None.

10202001	**The expected version of the Natural SYSIDL is out of range**
Explanation	This is an internal error.
Action	Contact Software AG support.

10202004	**Natural RPC server does not support Natural client interface object generation. Upgrade Required. <server-version-details>**
Explanation	The Natural RPC server does not support the required functionality. Refer to `<server-version-details>` for the current installed Natural version.
Action	Upgrade Natural RPC server to the latest version.

10202005	**Natural RPC server does not support Natural client interface object generation with CVM files. Upgrade Required. <server-version-details>**
Explanation	The Natural RPC server does not support client-side mapping files (Natural | COBOL). Refer to `<server-version-details>` for the Natural version currently installed.
Action	Upgrade Natural RPC server to the latest version.

10202006	**Natural RPC server does not support Natural server generation. Upgrade Required. <server-version-details>**
Explanation	The Natural RPC server does not support the required functionality. Refer to `<server-version-details>` for the Natural version currently installed.
Action	Upgrade Natural RPC server to the latest version.

10204001	**Parse exception encountered at line <line>, column <column>**
Explanation	A Natural source code statement was recognized, but the use of this statement at this line and position is not allowed.
Action	Check the Natural source code for an invalid statement at the line and column indicated.

10204002	**Lexical error at line <line>, column <column>. <detail information>**
Explanation	Statement in the Natural source code is not supported by the Natural Extractor. See `<detail information>` for explanation.
Action	Check the Natural source code for an invalid statement at the line and column indicated.

10204003	**<text>**
Explanation	A Natural source code statement leads to an exception. See `<text>` for detailed explanation.
Action	Contact Software AG support.

10204004	**Subprogram does not contain any parameters**
Explanation	You cannot extract from a program without any parameters.
Action	None.

10204008	**Direction OUT and Natural V-Array in conflict**
Explanation	A `/* out` comment inside your Natural server is forcing IDL direction `out`. Natural V-arrays (syntax `...\1:V`) cannot be used with direction `out`, because they cannot be created (instantiated) inside a Natural server. See *Extracting Natural Arrays, Groups, X-Arrays and Variable Arrays*.
Action	Remove the `/* out` comment in your program or change it to `/* in` or `/* inout`.

41 Message Class 1021 - EntireX RPC Server Mapping Deployment

This page describes messages with message class 1021. These messages have the format:

1021*nnnn*

where 1021 is the message class and

        nnnn is the message number in the range 0000 - 9999.

These messages are returned by the Server Mapping Deployment Wizard See *Server Mapping Deployment Wizard* in the Designer documentation.

10210001	**Entry does not exist**
Explanation	The server mapping accessed by the deployment service does not exist in the server mapping file.
Action	None.

10210002	**Entry already exists**
Explanation	If available in your environment, use the overwrite option and retry.
Action	Resubmit with 'update' option.

10210003	**Entry replaced**
Explanation	An existing server mapping entry was altered.
Action	None.

10210004	**No matching entry**
Explanation	A LIST request to the deployment service returned without matching entries.
Action	None.

10210005	**Invalid record**
Explanation	The deployment service received a server mapping file of an unknown format. The request was rejected.
Action	Probably version conflict. Check your installation.

10210006	**Open file error: <reason>**
Explanation	The *Deployment Service* in the respective RPC server sections of the documentation could not open the server-side mapping container. See $\langle reason \rangle$ and refer to platform documentation for more information.
Action	Check your installation. For configuration, see *Enabling the Deployment Service* in the respective RPC server sections of the documentation.

10210007	**Write Error: <reason>**
Explanation	The *Deployment Service* in the respective RPC server sections of the documentation could not open the server-side mapping container. See $\langle reason \rangle$ and refer to platform documentation for more information.
Action	Check status and/or authorization of the server-side mapping container. For configuration, see *Enabling the Deployment Service* in the respective RPC server sections of the documentation.

10210008	**Read Error: <reason>**
Explanation	The *Deployment Service* in the respective RPC server sections of the documentation could not read from the server-side mapping container. See $\langle reason \rangle$ and refer to platform documentation for more information.
Action	Check status and/or authorization of the server-side mapping container. For configuration, see *Enabling the Deployment Service* in the respective RPC server sections of the documentation.

10210009   **Delete Error: <reason>**

Explanation   The *Deployment Service* in the respective RPC server sections of the documentation
                      could not access the server-side mapping container. See $\langle reason \rangle$ and refer to platform
                      documentation for more information.

Action   Check status and/or authorization of the server-side mapping container. For
                      configuration, see *Enabling the Deployment Service* in the respective RPC server sections
                      of the documentation.

10210010   **Resource problem: <reason>**

Explanation   Resource problem with server deployment service, probably lack of storage. See
                      $\langle reason \rangle$ and refer to platform documentation for more information.

Action   Try again later.

10210011   **DEPLOYMENT service not active**

Explanation   The RPC server was invoked, but the deployment service itself was not activated, see
                      RPC server option DEPLOYMENT=YES|NO.

Action   Ask your system programmer.

10210012   **Invalid usage of DEPLOYMENT service**

Explanation   The RPC server received a request for the *Deployment Service* in the respective RPC
                      server sections of the documentation for a broker service other than DEPLOYMENT.

Action   Use DEPLOYMENT as the broker service name in the deployment environment. See
                      Step 2b: Define the Connection to the Deployment Service and Deploy under *Server Mapping
                      Deployment Wizard* in the Designer documentation and SERVICE under *Broker Attributes*.

42 Message Class 1022 - RPC Server for CICS User Exit Messages

This page describes messages with message class 1022. These messages have the format:

1022*nnnn*

where 1022 is the message class and

nnnn is the message number in the range 0000 - 9999.

Error messages of this class are reserved for customer use. The messages are given by the RPC Server for CICS user exit implementations. See *User Exit* `COBUEX02` in the z/OS or z/VSE RPC Server documentation.

43 Message Class 2000 - XML/SOAP Runtime

The messages have the format:

2000*nnnn*

where 2000 is the message class, and

   nnnn is the message number in the range 0000 - 9999

20000001	**Broker Exception: {0}**
Explanation	Information on the `BrokerException` is contained in the error message (`ErrorClass`, `ErrorNumber` and `ErrorText`).
Action	Look up the error class/number for the `BrokerException` and follow the instructions.

20000002	**Server Exception: {0}**
Explanation	Information on the `ServerException` is contained in the error message (`ErrorClass`, `ErrorNumber` and `ErrorText`).
Action	Look up the error class/number for the `ServerException` and follow the instructions.

20000003	**External Parser Exception**
Explanation	The external parser throws an exception.
Action	▪ Check if the JAR files of the parser are located in `CLASSPATH`.
	▪ Check if the incoming document is well-formed.

20000004	**Internal Error: Java IO Exception**
Explanation	Either the XML/SOAP Wrapper cannot find a file or the XML RPC server does not connect to the Web server.
Action	XML/SOAP Wrapper: Check your path settings. If they are correct, contact Software AG support.
	XML RPC server: Check the URI of the Web server. If it is correct, contact Software AG support.

20000005	**Internal Error: Java Exception**
Explanation	Internal error.
Action	Contact Software AG support.

20000006	**Incoming SOAP document is invalid**
Explanation	The incoming XML document is invalid.
Action	Check the incoming document.

20000007	**Incoming XML document is invalid**
Explanation	The incoming XML document is invalid.
Action	Check the incoming document.

20000021	**XML Parser not found**
Explanation	The XML parser could not be found because the JAR files of the parser were not found in `CLASSPATH`.
Action	Correct `CLASSPATH` specifications.

20000025	**Mapping Error: Path cannot be resolved**
Explanation	Internal error.
Action	Contact Software AG support.

20000026	**Mapping Error: Mapping of one item fails**
Explanation	Internal error.
Action	Contact Software AG support. Required information: the IDL-XML mapping file (XMM).

20000027	**Mapping Error: Invalid mapping path**
Explanation	Internal error.
Action	Contact Software AG support. Required information: the IDL-XML mapping file (XMM).

20000031	**Mapping Error: Value cannot be mapped**
Explanation	The document contains a value that cannot be mapped.
Action	Contact Software AG support. Required information: the IDL-XML mapping file (XMM).

20000043	**Invalid Configuration File**
Explanation	The configuration file contains an invalid definition. See details of error message for more information.
Action	Correct the configuration file.

20000060	**Incoming Document: Invalid base64 format**
Explanation	The binary data has an invalid base64 format.
	The incoming document contains binary data in base64 format. For at least one data item the base64 format is invalid.
Action	Check the application of the sender.

20000062	**Problem with JAXP: ParserFactory not found**
Explanation	The `XMLRuntime` cannot find the factory class of XML parser.
Action	Check JAXP setting and classpath.

20000064	**Marshalling failed: Unexpected number of array elements**
Explanation	An array contains more elements than the maximum definition.
Action	Check your IDL-XML mapping and the documents used.

20000070	**Repository Error: Inconsistent data loaded**
Explanation	At least one loaded XMM file contains corrupt or conflicting data.
Action	■ Check the XMM file(s).
	■ Check if you are using the RPC Server for XML/SOAP configuration file.

20000072   **Version mismatch**

Explanation   An EntireX server does not understand the required protocol version.

Action   Check IDL definition. It must be suitable for client and server applications.

20000075   **Parameter not set**

Explanation   A data stream for reading or writing is null (using Java API).

Action   Check your application.

20000077   **Unknown document, XML/SOAP Runtime cannot interpret the incoming document**

Explanation   The incoming document was not found in the internal repository.

Action   No suitable mapping was found. Check if

1. the XMM file is contained in the configuration.

2. the namespaces in the document and the XMM file match.

20000078   **Invalid XMM file**

Explanation   The XMM file has an error.

Action   Save the XMM file again. If the problem is permanent, contact Software AG support.

20000079   **Transport error**

Explanation   The HTTP transport of data failed, for example because the proxy setting is missing or the target service is not available.

Action   1. Check proxy settings.

■ If a firewall is in use, define the required proxy settings.

■ If you are using a proxy setting and connecting to localhost, add the following definition:

```
-Dhttp.nonProxyHosts=localhost
```

2. Check the URL of the target service. To get more information, start the RPC Server for XML/SOAP with enabled trace.

20000080	**Writing document failed**
Explanation	Writing an outgoing XML document failed, caused by unsupported encoding or an internal error.
Action	Verify the encoding used and/or contact Software AG support.

20000081	**Unsupported transport medium**
Explanation	The configuration file of the RPC Server for XML/SOAP contains a transport medium which is not supported by XML/SOAP Runtime.
Action	Check your configuration file.

20000082	**Unknown RPC program**
Explanation	The XML Runtime did not find a description for the RPC program called.
Action	Check your configuration file for missing or conflicting definitions.

20000084	**Unknown data type**
Explanation	The required data type cannot be marshalled with the protocol used, or the XMM file used has a corrupt entry.
Action	Check IDL-XML mapping and check application for any server that does not support the data type used.

20000086	**Received unexpected document (faulty document)**
Explanation	An XML client sent a faulty document.
Action	Check your application.

20000087	**Internal error**
Explanation	The internal processing terminates abnormally with an error.
Action	Check the details of error information. If this information does not help you resolve the problem, contact Software AG support.

20000088	**Value does not match type definition**
Explanation	The value of the parameter does not match the type definition. For example, a parameter for a numeric field does not contain a numeric value.
Action	The error message contains the name and value of invalid parameter. Correct the inconsistency in your application, i.e. check data type.

20000089	**Format exception: Date or time parameter does not match format definition**
Explanation	The format definition of a date or time parameter does not match format set by user or default format.
Action	Check IDL-XML mapping and the documents used.

20000100	**Syntax error in IDL-XML mapping file**
Explanation	The IDL-XML mapping file contains an unexpected tag.
Action	Contact Software AG support.

20000101	**Invalid IDL-XML mapping File**
Explanation	The IDL-XML mapping file is not well-formed or is unreadable.
Action	If using FTP to move mapping file, check that binary mode is set. Otherwise contact Software AG support.

20000103	**Configuration error: IDL-XML mapping file conflict in library/program name**
Explanation	A name clash of library/program is found.
Action	Check your IDL-XML mapping files.

20000104	**IDL-XML Mapping File contains non-supported Natural/COBOL redefine settings in library/program**
Explanation	The specified XMM contains Natural/COBOL redefine information, which is not supported.
Action	Remove the program listed in the error message from the mapping file.

20000110	**Configuration Error**
Explanation	Reading the configuration terminates with an error message probably because of an invalid classpath, an invalid configuration or an inconsistent value assignment within the configuration.
Action	Check configuration file and `CLASSPATH`.

20000120	**Document does not fulfill SOAP 1.1 specification**
Explanation	The document contains a description not compliant with the SOAP 1.1 specification.
Action	Check the document for compliance with the SOAP 1.1 specification.

20000130	**Document does not fulfill SOAP 1.2 specification**
Explanation	The document contains a description not compliant with the SOAP 1.2 specification.
Action	Check document for compliance with the SOAP 1.2 specification.

20000140	**HTTP header contains invalid value**
Explanation	The HTTP header contains an invalid value for the session ID or the conversation.
Action	Read fault document and check the application.

20000141	**HTTP message contains invalid value**
Explanation	The HTTP message (header or payload) contains an invalid value.
Action	Read fault document and check the application.

20000250	**Program should have INPUT parameters only**
Explanation	An asynchronous call with `INOUT` or `OUT` parameter was made.
Action	Check application and IDL definition.

44   Message Class 2001 - Software AG IDL Parser

The messages have the format:

2001*nnnn*

where 2001 is the message class, and

   nnnn is the message number in the range 0000-9999.

20010020	**No library found**
Explanation	IDL file does not contain any libraries.
Action	Define at least one library.

20010021	**Missing program with non-IMS parameter**
Explanation	Existing libraries contain only programs with IMS parameters, but IMS is not supported.
Action	Define at least one library with a program that contains non-IMS parameters.

20010022	**Empty library**
Explanation	Library "*<name>*" does not contain any programs.
Action	Add at least one program to the empty library.

20010023	**Library name conflict**
Explanation	Library or library alias "*<name>*" (line *line_no*) has same name as another library or library alias "*<name>*" (line *line_no*). Library name and alias must be unique.
Action	Change name of conflicting library or library alias to be unique.

20010024	**Empty program**
Explanation	Program "*<name>*" does not contain any parameters.
Action	Add at least one parameter to the empty program.

20010025	**Program name conflict**
Explanation	Program or program alias"*<name>*" (line *line_no*) has same name as another program or program alias "*<name>*" (line *line_no*). Program name and alias must be unique.
Action	Change name of conflicting program or program alias to be unique.

20010026	**Undefined structure**
Explanation	Parameter declaration is referring to undefined structure "*<name>*".
Action	Change parameter declaration to use a defined structure or define the missing structure.

20010027	**Structure name conflict**
Explanation	Structure "*<name>*" (line "*line_no*) has same name as another structure "*<name>*" (line *line_no*). Structure name must be unique.
Action	Change name of conflicting structure to be unique and update its references.

20010028	**Self-referencing structure definition**
Explanation	Structure "*<name>*" is referenced by itself or another structure referenced by "*<name>*". This is not supported.
Action	Resolve self-referencing so that structure "*<name>*" does not reference itself.

Example 1 (resloved with list):

```
struct 'linkedList'
  01 value (AV)
  01 link ('linkedList')
```

can be resolved:

```
struct 'linkedList'
  01 value (AV/V)
```

Example 2 (resolved with substructure):

```
struct 'name'
  01 firstname (AV)
  01 lastname  (AV)

struct 'person'
  01 myname ('name')
  01 partner ('person')
  01 children ('person'/V)
```

can be resolved:

```
struct 'name'
  01 firstname (AV)
  01 lastname  (AV)

struct 'person'
  01 myname ('name')
  01 partner ('person')
  01 children (/V)
  02 myname ('name')
  02 partner ('person')
  02 children (/V)
  03 myname ('name')
  03 partner ('person')
  03 children (/V)
  04 myname ('name')
  04 partner ('person')
```

20010029	**Parameter name conflict**
Explanation	Parameter "*\<name\>*" (line *line_no*) has same name as another parameter "*\<name\>*" (line *line_no*). Parameter name must be unique.
Action	Change name of conflicting parameter to be unique.

20010030	**Wrong parameter level**
Explanation	Actual level "*\<level\>*" is different from expected level "*\<level\>*"!
Action	Change level from actual level "*\<level\>*" to expected level "*\<level\>*".

20010031	**Empty group**
Explanation	Group "*<name>*" does not contain any parameters. Empty groups are not supported.
Action	Add at least one parameter to the empty group.

20010032	**Illegal token**
Explanation	Found illegal token "*<token>*".
Action	Remove the illegal token.

20010033	**Unexpected token**
Explanation	Found "*<token>*", where "*<token>*" is expected.
Action	Replace found token with expected token.

20010034	**Illegal type**
Explanation	Type "*<type>*" is not a valid IDL type.
Action	Change parameter declaration to use a valid IDL type [A (alphanumeric) , B (binary), D (date), F (floating point), I (integer), K (kanji), L (logical), N (decimal), P (packed decimal), T (time), U (Unicode)].

20010035	**Type length not allowed**
Explanation	Data type "*<type>*" does not allow length specification.
Action	Remove length specification.

20010036	**Illegal decimal type length**
Explanation	Decimal length specification for IDL type "*<type>*" has invalid format (*<number>*.*<number>*).
Action	Change decimal length specification of IDL type "*<type>*" according to: 1. *<type>*X.Y with X+Y >= 1 2. *<type>*X.Y with X+Y <= 99

20010037	**Negative type length**
Explanation	Length specification must not contain negative length.
Action	Remove character "-" from length specification.

20010038	**Invalid array dimensions**
Explanation	Array dimension contains invalid character "<*character*>".
Action	Change array dimension according to

- bounded: `(lower-bound:)upper-bound`, e.g. `A1/3:5`, `A/1:5` or `A1/7`
- unbounded: `(1:)V`, e.g. `A1/V`, `A1/1:V`

20010039	**Invalid use of decimal delimiter**
Explanation	IDL Type "<*type*>" is not a decimal type.
Action	Remove "." from length definition or use a valid decimal type such as "N" or "P".

20010040	**Type length required**
Explanation	IDL Type "<*type*>" requires a length specification but has none.
Action	Add a length specification for type "<*type*>". The Designer provides specific instructions depending on the IDL type.

20010041	**Invalid type length**
Explanation	IDL type "<*type*>" requires specific length format.
Action	Change length format of IDL type "<*type*>". The Designer provides specific instructions depending on the IDL type.

20010042	**Invalid structure reference**
Explanation	Empty string (") is not a valid structure reference.
Action	Enter a valid structure name by changing " to "<*type-reference*>", where "<*type-reference*>" is a valid structure.

20010043	**Invalid type declaration**
Explanation	Found single "'" in type declaration. Structure reference must be enclosed by "'".
Action	Enter a valid type declaration. Either use a self-defined structure as type with ("<*self-defined*>") or a standard IDL type.

20010044	**Parsing error**
Explanation	An exception occurred when parsing an IDL file.
Action	See exception message.

20010045	**Invalid array definition**
Explanation	Mixed array definitions (fixed and unbounded length) are not supported.
Action	Correct the array definition so that all array upper bounds are defined as fixed length, or all array upper bounds are defined as unbounded length.

20010046	**Unsupported data type**
Explanation	When generating the IDL file, the IDL Extractor could not automatically handle the parameter at line *line_no*.
Action	See the inline comment at line *line_no* and change the type definition accordingly.

20010047	**Maximum level of 99 exceeded**
Explanation	Parameter levels above "99" are not allowed.
Action	Change parameter definition to level "99" or lower.

20010048	**The length specification of this data type must be even**
Explanation	Type "K" needs an even value for its length specification.
Action	Change length specification to be even.

20010050	**Unexpected `CHOICE` token**
Explanation	`CHOICE` token can be used *only* for IDL with GROUP type and Out parameter.
Action	Remove `CHOICE` token or change IDL parameter to GROUP or direction to Out.

45 Message Class 2002 - .NET Wrapper

The messages have the format:

2002*nnnn*

where   2002   is the message class, and
       nnnn   is the message number in the range 0000 - 9999

20020000	**Internal error**
Explanation	Internal error.
Action	Contact Software AG support.

20020001	**Unsupported functionality <additional text>**
Explanation	See additional message text for more information.
Action	Check documentation for information on the given functionality.

20020002	**Invalid SSL parameter**
Explanation	The format of the SSL Broker URL is invalid.
Action	Check and correct the SSL URL.

20020003	**Data marshalling error**
Explanation	Data marshalling error.
Action	Contact Software AG support.

20020004	**Data unmarshalling error**
Explanation	Data unmarshalling error.
Action	Contact Software AG support.

20020005	**Missing SendAs Attribute**
Explanation	In the generated wrapper code there is a missing `SendAs` attribute.
Action	Contact Software AG support.

20020006	**Unsupported data type**
Explanation	Unsupported data type.
Action	Contact Software AG support.

20020007	**Invalid encryptionLevel value**
Explanation	Invalid `encryptionLevel` value.
Action	Correct the `encryptionLevel` value. For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX.*

20020008	**Invalid compressionLevel value**
Explanation	Invalid `compressionLevel` value.
Action	Correct the `compressionLevel` value.

20020010	**erx.dll in folder {0} missing**
Explanation	The file *erx.dll* is not in the folder {0}.
Action	Contact Software AG support.

20020011	**Cannot load erx.dll**
Explanation	Cannot load *erx.dll*.
Action	Check whether EntireX has been installed correctly.

20020012	**Cannot open a new conversation within a conversation**
Explanation	Cannot open a new conversation within a conversation.
Action	Correct your application code.

20020013	**Missing library name. Please use `Service (libraryName`) constructor**
Explanation	Missing library name. Please use `Service (libraryName)` constructor.
Action	Correct your application code to call the `Service (libraryName)` constructor.

20020014	**Array dimension(s) out of bounds**
Explanation	The size of one or more dimensions of the user data exceeds the size defined in the IDL parameter.
Action	Correct your application code.

20020015	**Unsupported object type**
Explanation	Unsupported object type.
Action	Contact Software AG support.

20020016	**Cannot set RPC password; no RPC user defined**
Explanation	Cannot set RPC password; no RPC user defined for a Service class instance.
Action	Define an RPC user before setting the RPC password.

20020017	**Invalid ServerAddress**
Explanation	Invalid `ServerAddress`.
Action	Correct the format of `ServerAddress`.

20020018	**NU/PU are unsigned types**
Explanation	Error in the transferred data.
Action	Contact Software AG support.

20020019	**Error unmarshalling N(U)/P(U)**
Explanation	Error in the transferred data.
Action	Contact Software AG support.

20020020	**Cannot load library, invalid server library**
Explanation	DLL with the required library name does not contain an object with the `LibraryAttribute`.
Action	Correct your server implementation.

20020021	**Cannot locate library in file**
Explanation	Error in the server DLL.
Action	Contact Software AG support.

20020022	**Program/Method not found**
Explanation	Server DLL does not contain the required program/method.
Action	Correct your server implementation or client request.

20020023	**User error in server library**
Explanation	There was an uncaught exception in the user's server implementation.
Action	Correct the server implementation.

20020024	**Invalid unbounded array**
Explanation	Error in the definition of an unbounded array.
Action	Contact Software AG support.

20020025	**Cannot set Broker during a conversation**
Explanation	You cannot change the broker within a conversation.
Action	Correct your client implementation.

20020027	**SoftwareAG.EntireX.NETWrapper.Runtime.dll not found**
Explanation	The DLL was not found in the appropriate place.
Action	See *.NET Framework Configuration* in the RPC Server for .NET documentation and follow the rules defined there.

20020029	**Invalid BrokerSecurity value**
Explanation	The value for the `BrokerSecurity` is invalid.
Action	Correct the value in your implementation.

20020030	**Cannot create CALL_INFORMATION_BLOCK**
Explanation	The creation of the `CALL_INFORMATION_BLOCK` failed
Action	Contact Software AG support.

20020031	**Invalid index {0} for field {1}.{2}**
Explanation	The index {0} of field {2} in group/struct {1} is wrong.
Action	Contact Software AG support.

20020032	**State for reliable messaging not set**
Explanation	User error in the implementation of reliable messaging.
Action	Correct the implementation.

20020033	**Unexpected error**
Explanation	There is an unexpected error running with reliable messaging.
Action	Contact Software AG support.

20020034	**SERVER_ADDRESS for reliable messaging not set**
Explanation	The `SERVER_ADDRESS` for the request is missing.
Action	Contact Software AG support.

20020035	**Numeric value of {0} does not fit in {1}{2}.{3}**
Explanation	The value of parameter {0} exceeds the range of the numeric field {1}{2}.{3}.
Action	Inspect the user implementation.

20020036	**Internal error in method {0}**
Explanation	An internal error in method {0} occurred.
Action	Contact Software AG support.

20020038	**Length of byte array {0} does not fit the definition**
Explanation	The length of the byte array exceeds the length defined in the IDL.
Action	Correct your client or server implementation.

20020039	**Index {0} for field {1}.{2} is missing**
Explanation	Field {2} at index {0} in group/struct {1} is missing.
Action	Contact Software AG support.

20020040	**SoftwareAG.EntireX.NETWrapper.Runtime.xml is missing**
Explanation	The file `SoftwareAG.EntireX.NETWrapper.Runtime.xml` is not in the same directory as the file `SoftwareAG.EntireX.NETWrapper.Runtime.dll`.
Action	Check the `bin` folder of your EntireX installation and the folder of your client application.

20020041	**Library not configured**
Explanation	The IDL library involved in the client call is not defined in the .NET server's `rpcserver.exe.config` file.
Action	Add the library's key and path to the assembly containing the server implementation to the `rpcserver.exe.config` file (see *.NET Framework Configuration* in the RPC Server for .NET documentation).

20020042	**Invalid {0}**
Explanation	The value of {0} does not meet the requirements.
Action	Correct the value in your implementation.

20020043	**{0} is not a valid BigNumeric number**
Explanation	The value of {0} does not meet the requirements for a BigNumeric number.
Action	Correct the value in your implementation.

20020044	**Server configuration file not found or EntireX Assemblies section missing**
Explanation	The configuration file for the rpcserver.exe was not found or does not contain the "EntireX Assemblies" section.
Action	See *.NET Framework Configuration* in the RPC Server for .NET documentation and follow the rules defined there.

46 Message Class 2003 - PL/I Wrapper

The messages have the format:

2003*nnnn*

where 2003 is the message class, and

    nnnn is the message number in the range 0000 - 9999

20030001	**Missing option TARGET - (BATCH_ZOS/IMS_ZOS/CICS_ZOS)**
Explanation	No option TARGET was specified during generation. TARGET is a required option.
Action	Specify the option TARGET.

20030002	**Wrong option** *target_option* **for TARGET - (BATCH_ZOS/IMS_ZOS/CICS_ZOS)**
Explanation	A wrong option TARGET was specified during generation. Valid targets are BATCH_ZOS, IMS_ZOS and CICS_ZOS.
Action	Specify a correct option TARGET.

20020003	**Unbounded arrays not supported:** *library_name*/*program_name*/*parameter_name*
Explanation	Unbounded arrays are not supported. The appendix of the message gives you the library, program and parameter name of the IDL parameter causing the error.
Action	Adapt your IDL accordingly and re-generate your clients, server, stubs, etc.

20030004   *idl_data_type* **without maxlength not supported:**
library_name/*program_name*/*parameter_name*

Explanation   The following IDL data types are not supported if no maximum length is given:

IDL Data Type	Description
AV	Alphanumeric variable length
KV	Kanji variable length

The appendix of the message gives you the library, program and parameter name of the IDL parameter causing the error.

Action   Adapt your IDL accordingly and re-generate your clients, server, stubs, etc.

20030005   **Length for** *idl_data_type* **fields must be even:**
library_name/*program_name*/*parameter_name*

Explanation   The length of the IDL data types below must be even:

IDL Data Type	Description
KV	Kanji variable length
K	Kanji

This is because the resulting PL/I data type graphic is measured in graphics (2 bytes each) and the IDL length for K, KV in bytes. The appendix of the message gives you the library, program and parameter name of the IDL parameter causing the error.

Action   Adapt your IDL accordingly and re-generate your clients, server, stubs, etc.

20030006   **IDL data type** *idl_data_type* **not supported:**
library_name/*program_name*/*parameter_name*

Explanation   The following IDL data types are not supported:

IDL Data Type	Description
BV	Binary variable length

Action   Adapt your IDL accordingly and re-generate your clients, server, stubs, etc.

20030007   **Maximum length for** *idl_data_type* **usually** *idl_max_len*:
library_name/*program_name*/*parameter_name*

Explanation   For the following IDL data types the maximum length of the resulting PL/I data types is usually restricted by the PL/I programming language.

IDL Data Type	IDL Maximum Length	Resulting Length in PL/I
K	32766 bytes	16383 graphics
KV	32766 bytes	16383 graphics
A	32767 bytes	32767 characters
AV	32767 bytes	32767 characters
B	4095 bytes	32760 bits

In this case a warning message is produced, generation of sources continues. However, it is likely that the compilation of the generated sources is not possible. The appendix of the message gives you the library, program and parameter name of the IDL parameter causing the warning message.

Action　　If the compilation process of the generated sources fails, adapt your IDL accordingly and re-generate your clients, server, stubs, etc.

20030008　　**Invalid compressionLevel value**

Explanation　　The following IDL data types below are not supported if a maximum length is given:

IDL Data Type	Description
BV	Binary variable length

The Appendix of the message gives you the library, program and parameter name of the IDL parameter causing the error.

Action　　Adapt your IDL accordingly and re-generate your clients, server, stubs, etc.

20030009　　**Precision for** `idl_data_type` **exceeds 15:** `library_name`/`program_name`/`parameter_name`

Explanation　　For the following IDL data types the maximum precision of the resulting PL/I data types is usually restricted by the PL/I programming language.

IDL Data Type	PL/I Restriction
N	Depending on your compiler, 15 or 31 numeric picture characters in the picture clause.
NU	
P	Depending on your compiler, 15 or 31 digits
PU	

If the precision exceeds 15 a warning message is produced, generation of sources continues. However, depending on your compiler, compilation of the generated sources may not possible. The appendix of the message gives you the library, program and parameter name of the IDL parameter causing the warning message.

Action　　If the compilation process of the generated sources fails, adapt your IDL accordingly and re-generate your clients, server, stubs, etc.

20030010	**IDL data type** *type* **must be ALIGNED:** `library_name/program_name/parameter_name`
Explanation	The IDL data types below have to be aligned. This applies only for RPC servers in the environment IMS:

IDL Data Type	Description
L	Logical
B	Binary

	The appendix of the message gives you the library, program and parameter name of the IDL parameter causing the warning message.
Action	Adapt your IDL and re-generate your clients, server, stubs, etc.

20030011	**Total number of digits supported is 29:** `library_name/program_name/parameter_name`
Explanation	For PL/I the total number of digits (*number1*+*number2*) supported by EntireX is 29, see *Mapping IDL Data Types to PL/I Data Types*.
Action	Adapt your IDL and re-generate your clients, server, stubs, etc.

20030012	**Maximum digits after decimal point supported is 7:** `library_name/program_name/parameter_name`
Explanation	For PL/I the digits after decimal point (*number2*) supported by EntireX is 7, see *Mapping IDL Data Types to PL/I Data Types*.
Action	Adapt your IDL and re-generate your clients, server, stubs, etc.

20030101	**Out of memory**
Explanation	The operating system could not satisfy a memory request.
Action	Increase your memory resources and retry.

20030102	**Error calling broker stub**
Explanation	Calling the broker stub by the Generic RPC Services program (`xxxSRVI`) failed.
Action	Check if the broker stub is correctly linked and/or installed in your environment.

20030103   **ERXCOM version invalid**

Explanation   The field `COM_VERSION` in the RPC communication area is not correctly assigned. This is checked in the Generic RPC Services program (`xxxSRVI`) and Specific RPC Functions module (`xxxSRVS`).

Action   Correctly assign the `COM_VERSION` field. For information on how to declare and initialize the RPC communication area, see *Using the RPC Communication Area* under *Writing Applications with the PL/I Wrapper*.

20030104   **ERXCOM size invalid**

Explanation   The field `COM_SIZE` in the RPC communication area is not correctly assigned.

Action   Correctly assign the `COM_SIZE` field. For information on how to declare and initialize the RPC communication area, see *Using the RPC Communication Area* under *Writing Applications with the PL/I Wrapper*.

20030105   **Value of IDL PU data type must be positive**

Explanation   With a packed-decimal unsigned IDL data type, negative values cannot be sent.

Action   Either use positive values (including zero) or change the IDL data type to P packed decimal.

20030106   **Invalid function**

Explanation   The Generic RPC Services program (`xxxSRVI`) was invoked with an invalid function assigned to `COM_FUNCTION` in the RPC communication area.

Action   Correct your program. For a list of valid functions, refer to `COM_FUNCTION`.

20030107   **Internal error**

Explanation   An internal error occurred in a specific RPC functions module (`xxxSRVS`).

Action   Contact Software AG support.

20030108   **Calling Generic RPC Services (`xxxSRVI`) failed**

Explanation   Calling the Generic RPC Services (`xxxSRVI`) by the RPC stub from the Specific RPC Functions module (`xxxSRVS`) failed.

Action   Contact Software AG support.

20030109	**CICS error RESP1/RESP2** *resp1/resp2* **[** *- additional_error_text* **]**
Explanation	CICS returned an error during an `EXEC CICS LINK` call. `RESP1` and `RESP2` are CICS return codes. The additional error text gives more information on the program called. Possible programs are: calling Generic RPC Services (`xxxSRVI`)
Action	Contact Software AG support.

20030110	**CICS PGMIDERR [** *- additional_error_text* **]**
Explanation	CICS did not find the program specified in an `EXEC CICS LINK` call. The additional error text gives more information on the program called, possible programs are: calling Generic RPC Services (`xxxSRVI`)
Action	Contact Software AG support.

20030111	**Reserved**
Explanation	None.
Action	None.

20030112	**User ID missing**
Explanation	The required field `COM_CLIENT_USERID` in the RPC communication area is not given.
Action	Specify a user ID. For information on the required settings in the RPC communication area, see *Using the RPC Communication Area* under *Writing Applications with the PL/I Wrapper*.

20030113	**Password missing**
Explanation	The password is required in the following situations:
	■ If EntireX Security is installed, a password is required in the field `COM_CLIENT_PASSWORD`. See *Step 5: Optional Settings in the RPC Communication Area* under *Writing Applications with the PL/I Wrapper*.
	■ If the flag `COM_CLIENT_NATSECURITY` is switched on, a password is required in the field `COM_CLIENT_PASSWORD` or `COM_CLIENT_RPCPASSWORD`.
Action	Depending on the situation, specify a password or see *Using the Broker and RPC User ID/Password* under *Writing Applications with the PL/I Wrapper*.

20030114   **RPC Protocol reply faulty**

Explanation   The reply from the RPC Server is invalid and does not follow the rules of the RPC protocol.

Action   Contact Software AG support.

20030115   **Library missing**

Explanation   The field `COM_SERVER_LIBRARY` in the RPC communication area is not given. The field is required for RPC conversations.

Action   For information on how to work with RPC conversations, see *Conversational RPC* under *Writing Applications with the PL/I Wrapper*.

20030116   **Last conversation not ended**

Explanation   The RPC communication area holds an ongoing RPC conversation which has not been ended. It is not possible to ship in parallel simple non-conversational RPC requests or open another RPC conversation using the same RPC communication area.

Action   For information on how to work with RPC conversations, see *Conversational RPC* under *Writing Applications with the PL/I Wrapper*.

20030117   **No ongoing conversation**

Explanation   The RPC communication area holds an ongoing RPC conversation which has not been ended. It is not possible to ship in parallel simple non-conversational RPC requests or open another RPC conversation using the same RPC communication area.

Action   For information on how to work with RPC conversations, see *Conversational RPC* under *Writing Applications with the PL/I Wrapper*.

47 Message Class 2004 - COBOL Wrapper

This section describes error messages which can occur in the COBOL Wrapper. All COBOL Wrapper messages are in message class 2004.

The messages have the format:

2004*nnnn*

where 2004 is the message class, and

nnnn is the message number in the range 0000 - 9999

20040001	**Unbounded Arrays without maximum upper bounds not supported: \<library>/\<program>/\< parameter>/\<index>**
Explanation	Unbounded arrays without maximum upper bounds are supported for RPC clients on operating system z/OS with the following interface types:

- *CICS with Standard Linkage Calling Convention*
- *Batch with Standard Linkage Calling Convention*
- *IMS BMP with Standard Linkage Calling Convention*
- *IMS MPP with Standard Linkage Calling Convention*

Code generation for other *Client Interface Types*, other operating systems or RPC servers force this error message.

The appendix of the message gives you the library, program, parameter name and index definition of the IDL parameter causing the error.

| **Action** | Try to use a supported interface type and re-generate. |

20040002 **<idl-data-type> without maximum length not supported: <library>/<program>/< parameter>**

Explanation The following IDL data types below are not supported if no maximum length is given:

IDL Data Type	Description
BV	Binary variable length.
AV	Alphanumeric variable length.
KV	Kanji variable length.

The appendix of the message gives you the library, program and parameter name of the IDL parameter causing the error.

Action Adapt your IDL accordingly and re-generate.

20040003 **Invalid CSECT name <CSECT-name> for target Compiler <compiler>: <library>/<program>**

Explanation The `program-name` or `program-alias` in the IDL contains characters not allowed for CSECT names. The appendix of the message gives you the library and program of the IDL parameter causing the error.

Action Adapt your IDL accordingly and re-generate.

20040004 **IDL data type <idl-data-type> not supported: <library>/<program>/<parameter>**

Explanation The following IDL data types are not supported:

UV Unicode variable length

U   Unicode

Action Adapt your IDL accordingly and re-generate your client and server interface objects.

20040005 **Missing option TARGET - (BATCH_ZOS/BATCH_VSE/BATCH_BS2000/ BATCH_I5OS/CICS_ZOS/CICS_VSE/ IMS_MPP/IMS_BMP/ IDMS_ZOS/MICROFOCUS_WINDOWS/MICROFOCUS_UNIX)**

Explanation No option `TARGET` was specified during generation. `TARGET` is a required option.

Action Specify the option `TARGET`.

20040006 **Wrong option <target-option> for TARGET - (BATCH_ZOS/BATCH_VSE/BATCH_BS2000/BATCH_I5OS/ CICS_ZOS/CICS_VSE/IMS_MPP/IMS_BMP/ IDMS_ZOS/MICROFOCUS_WINDOWS/MICROFOCUS_UNIX)**

Explanation A wrong option `TARGET` was specified during generation. Valid targets are `BATCH_ZOS`, `BATCH_VSE`, `BATCH_BS2000`, `BATCH_I5OS`, `CICS_ZOS`, `CICS_VSE`, `IMS_MPP`, `IMS_BMP`, `MICROFOCUS_WINDOWS` and `MICROFOCUS_UNIX`.

Action   Specify a correct option `TARGET`.

20040007   **Wrong option <literal-option> for LITERAL - (QUOTE/APOST)**

Explanation   A wrong option `LITERAL` was specified during generation. Valid values for literal are `QUOTE` and `APOST`.

Action   Specify a correct option `LITERAL`.

20040008   **Wrong option <comm-option> for COMM - (LINKAGE/EXTERNAL/COPYBOOK)**

Explanation   A wrong option `COMM` was specified during generation. Valid values for option `COMM` are `LINKAGE`, `EXTERNAL` and `COPYBOOK`.

Action   Specify a correct option `COMM`.

20040009   **Wrong option <rpc_highest-option> for RPC_HIGHEST - (1110/1120/1130/1140/2000/2020)**

Explanation   A wrong option `RPC_HIGHEST` was specified during generation. Valid values for option `RPC_HIGHEST` are 1110, 1120, 1130, 1140, 2000 and 2020.

Action   Specify a correct option `RPC_HIGHEST`.

20040010   **K/KV cannot be mapped to PIC G: <library>/<program>/<parameter>**

Explanation   The IDL type K or KV (Kanji) was specified with an uneven length. This runs into conflict with COBOL data type `GRAPHIC`, which requires exactly half the length of IDL type K/KV.

                      For example, the IDL

```
1 MyKanji (K10)
```

                      corresponds to the COBOL

```
01 MyKanji  PIC G(5) DISPLAY-1.
```

Action   Correct your Software AG IDL file to contain an even length for IDL types K/KV.

20040011   **Wrong option <option> for INTERFACE - (DFHCOMMAREA/DFHLBUFFER/DFHCHANNEL/LINKAGE)**

Explanation   A wrong value for the option `INTERFACE` is specified.

Action   Specify a valid value for the option `INTERFACE`. See the error message or documentation for valid values.

20040012	**Wrong option combination <interface>/<target> for INTERFACE/TARGET**
Explanation	Wrong values for the options `INTERFACE` and `TARGET` are specified.
Action	Specify a valid combination for the options `INTERFACE` and `TARGET`. Refer to *Using the COBOL Wrapper in Command-line Mode* for valid combinations.

20040013	**Server stubs required only for IMS**
Explanation	This is an internal error.
Action	Contact Software AG.

20040014	**Maximum length for CICS container name is 16 characters: <library>/<program>/<parameter>/<container>[text]**
Explanation	Container names are restricted to 16 characters by CICS. An optional text gives more information.
Action	Depending on the situation:

- Shorten the structure name representing the container in the IDL to fit to this restriction.
- If variable number of containers are used with an IDL unbounded array (see `array-definition` under *Software AG IDL Grammar* in the IDL Editor documentation) with maximum, restrict the number of containers.

See *CICS Channel Container IDL Rules*.

20040015	**IDL not valid for CICS with channel container calling convention: <library>/<program>/<parameter>[text]**
Explanation	The IDL mapped to CICS programs with channel container calling convention may only contain IDL structures and IDL programs with references to this structures. An optional text gives more information. See *CICS Channel Container IDL Rules*.
Action	Correct your IDL and retry.

20040016	**CICS container <container> already used for <direction> : <library>/<program>/<parameter>**
Explanation	Container for CICS must be unique for input as well as for output. You cannot use them twice. In an IDL program an IDL structure, representing a container, is referenced twice for the same direction.
Action	Correct your IDL and retry.

20040017	**IDL requires RPC protocol <protocol> - downgrade not possible**
Explanation	Depending on the IDL types given in your IDL, a minimum RPC protocol version is required. You can upgrade it but never go beyond this lower limit.
Action	Specify the RPC protocol version $<protocol>$ and re-generate.

20040018	**Sent length <length> exceeds 24580 DFHCOMMAREA length: <library>/<program>**
Explanation	The client interface object is generated with interface type DFHCOMMAREA Calling Convention. It is called with `EXEC CICS LINK` from the calling application. This message is a warning issued during generation and tells you that the `DFHCOMMAREA` of a generated client interface object requires more than 24 KB to send the data (`IN` and `INOUT` IDL parameters). Certain restrictions apply depending on how you plan to call the client interface:

- **Distributed program link (DPL)**
  That is, the calling application program is in a CICS that is different from the client interface object. Refer to the IBM documentation of `EXEC CICS LINK` for 24 KB limitations. See also IBM's APAR PQ06624.

- **Program link within the same CICS**
  The normal upper limit for the length of the CICS COMMAREA is approx. 32 KB.

The appendix of the message gives you the IDL library and IDL program causing the warning.

Action	Depending on the situation:

- If the client interface object exceeds 32 KB it is not possible to use the interface type CICS with DFHCOMMAREA. Use the interface type DFHCOMMAREA Calling Convention instead.

- For distributed program links, see your IBM CICS documentation of `EXEC CICS LINK` for further information.

20040019	**Receive length of <length> exceeds 24580 DFHCOMMAREA length: <library>/<program>**
Explanation	The client interface object is generated with interface type DFHCOMMAREA Calling Convention. It is called with `EXEC CICS LINK` from the calling application. This message is a warning issued during generation and tells you that the `DFHCOMMAREA` of a generated client interface object requires more than 24 KB to receive the data (OUT and INOUT IDL parameters). Certain restrictions apply depending on how you plan to call the client interface:

- **Distributed program link (DPL)**
  That is, the calling application program is in a CICS that is different from the client interface object. Refer to the IBM documentation of `EXEC CICS LINK` for 24 KB limitations. See also IBM's APAR PQ06624.

- **Program link within the same CICS**
  The normal upper limit for the length of the CICS COMMAREA is approx. 32 KB.

  The appendix of the message gives you the IDL library and IDL program causing the warning.

Action   Depending on the situation:

- If the client interface object exceeds 32 KB it is not possible to use the interface type CICS with DFHCOMMAREA. Use the interface type DFHCOMMAREA Calling Convention instead.

- For distributed program links, see your IBM CICS documentation of `EXEC CICS LINK` for further information.

20040020	**Valid start level for data items in COPYBOOKS is from 1 thru 49**
Explanation	The COBOL programming language allows level numbers for data items in the range from 1 thru 49.
Action	Specify a valid starting level.

20040021	**BS2000 does not support DBCS i.e. K/KV: \<library>/\<program>/\<parameter>**
Explanation	BS2000 does not support DBCS.
Action	Try to map the data to IDL B/BV (binary).

20040022	**Wrong option \<servercopybooks> for SERVERCOPYBOOKS - (TRUE/FALSE)**
Explanation	The wrong value for the option was specified.
Action	Specify `TRUE` or `FALSE`.

20040023	**Copybooklevel forced to 01 because of OCCURS DEPENDING ON: \<library>/\<program>**
Explanation	If the IDL contains unbounded arrays, the `copybooklevel` cannot be set to greater than 1.
Action	None.

20040024	**Generation of server not supported for TARGET - (IMS_MPP/IDMS_ZOS)**
Explanation	RPC server for this environment cannot be generated with the COBOL Wrapper.
Action	None.

20040025	**COBOL program name contains more than \<number-of-characters\> : \<library\>/\<program\>**
Explanation	COBOL for your environment supports a maximum length of \<number-of-characters\> characters for user-defined words depending on context (operating system etc.).
	The appendix of the message gives you the IDL library and IDL program causing the warning.
Action	Reduce the length of the IDL program name to meet COBOL restrictions.

20040026	**IDL program alias contains more than 31 characters : \<library\>/\<program\>**
Explanation	COBOL supports a maximum length of 31 characters for user defined words.
	The appendix of the message gives you the IDL library and IDL program causing the warning.
Action	Reduce the length of the IDL program alias to meet COBOL restrictions.

20040027	**IDL program name contains more than 7 characters for option SERVERCOPYBOOKS : \<library\>/\<program\>**
Explanation	A maximum of 7 characters is supported in this context for COBOL RPC server names.
	The appendix of the message gives you the IDL library and IDL program causing the warning.
Action	Reduce the length of the IDL program name to meet the restriction.

20040028	**IDL program name contains more than 7 characters : \<library\>/\<program\>**
Explanation	This is a special purpose message.
Action	Contact Software AG support.

20040029	**Wrong option combination \<interface\>/\<comm\> for INTERFACE/COMM**
Explanation	Wrong values for the options `INTERFACE` and `COMM` are specified.
Action	Specify a valid combination for the options `INTERFACE` and `COMM`. See *Using the COBOL Wrapper in Command-line Mode* for valid combinations.

20040030	**Option value \<option\> too long. A maximum of 32 characters is allowed.**
Explanation	The value specified for the option is too long. Options are `BROKER`, `CLASS`, `SERVER` or `SERVICE`.
Action	Shorten the length for the option and retry generation.

20040031	**Wrong option combination <target>/<comm> for TARGET/COMM**
Explanation	Wrong values have been specified for the options `TARGET` and `COMM`.
Action	Specify a valid combination for the options `TARGET` and `COMM`. See *Using the COBOL Wrapper in Command-line Mode* for valid combinations.

20040032	**IDL Library name (<library>) too long. A maximum of 127 characters is allowed**
Explanation	The IDL library name is too long to generate a COBOL server.
Action	Shorten the length for the IDL library and retry generation.

20040033	**IDL program name (<library>) too long. A maximum of 127 characters is allowed. IDL Library name is <library>**
Explanation	The IDL program name is too long to generate a COBOL server.
Action	Shorten the length for the IDL program and retry generation.

20040034	**IDL program has a client-side mapping (CVM). COBOL RPC clients not supported: <library>/<program>**
Explanation	RPC clients generated with the COBOL Wrapper do not support client-side mapping files (Natural | COBOL). The appendix of the message gives you the IDL library and IDL program name causing the error.
Action	None.

20040035	**N/NU/P/PU with more than <n> digits not supported for <target-option>: <library>/<program>/< parameter>/<index>**
Explanation	For COBOL, the total number of digits for IDL datatypes N, NU, P and PU depends on the environment. See *Mapping IDL Data Types to COBOL Data Types* in the COBOL Wrapper documentation. The appendix of the message gives you the library, program, parameter name and index definition of the IDL parameter causing the error.
Action	Reduce the number of digits and re-generate.

20040101	**Function not implemented**
Explanation	Generic RPC function not implemented.
Action	Contact Software AG.

20040102   **Invalid Argument(s) supplied**

Explanation	Invalid Generic RPC function was given.
Action	Correct your program, specify a valid generic RPC function and retry.

20040103   **Library missing**

Explanation	No Library name was given.
Action	Provide a library in the RPC Communcation Area.

20040104   **User ID missing**

Explanation	No user ID was given.
Action	Provide a user ID in the RPC Communcation Area.

20040105   **Not in reliable state CLIENT-COMMIT**

Explanation	Generic RPC function issued only valid for reliable message(s) started with `CLIENT-COMMIT`.
Action	Correct your program and retry.

20040106   **Invalid reliable state**

Explanation	This is an internal error.
Action	Contact Software AG.

20040107   **Conversations mixed with reliable msgs**

Explanation	You tried to open a conversation while you are within a reliable message sequence.
Action	Correct your program and retry.

20040108   **No active UOWID found**

Explanation	You tried to get the reliable state of a UOW, but there is no `UOWID` in the RPC communication area.
Action	Correct your program and retry.

20040109   **COMMAREA length not valid**

Explanation	The length of the `DFHCOMMAREA` defined in the `EXEC CICS LINK` statement when calling a client interface object of interface type DFHCOMMAREA Calling Convention is too short. See *Using the COBOL Wrapper for CICS with* `DFHCOMMAREA` *Calling Convention (z/OS and z/VSE)* under *Using the COBOL Wrapper for the Client Side*.
Action	Correct your client CICS application.

20040110	Unknown CICS error <error> during call to COBSRVI
Explanation	During call of the generic RPC services module (COBSRVI) by your client interface object the CICS error <error> occurred.
Action	Refer to your IBM CICS documentation.

20040111	COBSRVI not found
Explanation	The generic RPC services module (COBSRVI) was not found by your client interface object.
Action	Check if the generic RPC service module is available in your environment.

20040112	Broker stub <stub-name> could not be loaded
Explanation	You dynamically call the broker stub with the COBOL Wrapper, but the broker stub called could not be found in the environment.
Action	Check the following possibilities:

- Check if the broker stubs are correctly installed in your target environment and are accessible from your application.
- Possibly customize the subprogram DOBROKER in the Generic RPC Service module for a valid broker stub name of your target environment.
- Possibly recompile the Generic RPC Service module and rebuild your application. Proceed as described under *Using the COBOL Wrapper*.

20040113	Invalid COBOL Wrapper API version
Explanation	The API version for the COBOL Wrapper is wrong.
Action	Specify a correct API version in the field COMM-VERSION of the RPC communication area. See *The RPC Communication Area (Reference)*.

20040114	TRANSFER to <broker-stub> returns with <error-status>
Explanation	The TRANSFER CONTROL within IDMS to the broker stub failed.
Action	See <error-status> and refer to the IDMS documentation.

20040115	Wrong data in parameter <idl-parameter-name>
Explanation	The data contained in the parameter <idl-parameter-name> does not match the COBOL data type.
Action	Check the value of the parameter, correct it and rerun the program.

20040116	**Upper bound overflow in <occurs-depending-on-index>**
Explanation	The actual value provided in an index for an `OCCURS DEPENDING ON` is higher than the maximum upper bound defined for an IDL unbounded array, see `array-definition` under *Software AG IDL Grammar* in the IDL Editor documentation. For the parameter name, see the generated copybook (see *IDL Interface Copybooks*) and `<occurs-depending-on-index>`.
Action	Check the value of the parameter, correct it and rerun the program.

20040117	**Negative value in <occurs-depending-on-index>**
Explanation	The actual value provided in an index for an `OCCURS DEPENDING ON` is negative. For the parameter name, see the generated copybook (see *IDL Interface Copybooks*) and `<occurs-depending-on-index>`.
Action	Check the value of the parameter, correct it and rerun the program.

20040118	**Natural Security Token length error**
Explanation	The `COMM-SECURITY-TOKEN-LENGTH` variable in the RPC Communication Area contains an invalid length. See *The RPC Communication Area (Reference)* in the COBOL Wrapper documentation.
Action	Check if the RPC Communication Area is initialized properly. See *Step 1: Declare and Initialize the RPC Communication Area* under *Writing Standard Call Interface Clients* in the COBOL Wrapper documentation.

20040119	**ODO content is not a rectangle or cuboid**
Explanation	In COBOL, all vectors in a dimension must have the same length. A 2-dimensional array forms a rectangle, and a 3-dimensional array forms a cuboid. See *Three-dimensional Array with Variable Upper Bounds* under *Software AG IDL Grammar* in the IDL Editor documentation.
Action	Correct your program, IDL and RPC server and retry.

20040120	**Memory shortage**
Explanation	No storage was assigned with the COBOL `ALLOCATE` statement. A `NULL` pointer was returned.
Action	Try to find the cause of the error. If you are executing in Batch, for example, the possible cause could be memory restrictions defined with the job card.

20040121   **ACI Version 10 or higher required**

Explanation   The highest possible ACI version possible is determined by the COBOL Wrapper automatically resulting in ACI version less than 10. Features you are using require at least ACI version 10.

Action   Check the version of the broker stub used. If you are using broker kernel, check its version. If you are using Direct RPC, check the version of the EntireX Adapter.

48 Message Class 2005 - Generic IDL Extractor Messages

This document describes error messages of the common part of the IDL extractors.

The messages have the format:

2005*nnnn*

where   2005   is the message class, and

       nnnn   is the message number in the range 0000 - 9999

20050001	**Parsing error**
Explanation	Parser cannot run the analysis on specified element.
Action	Contact Software AG support and provide the source to be extracted.

20050002	**Syntax error**
Explanation	Parser read an unexpected token.
Action	Check and correct specified line.

20050005	**No parent element**
Explanation	Could not find parent element for specified element.
Action	Check source code above the specified line for correct parameter declaration. Parent/group elements should have a level smaller than their children and no data type declaration.

20050007	**No child element**
Explanation	Specified group element introduced without any child elements.
Action	Either remove empty group at line above, add new parameter to group at line above or adjust level of parameter at specified line.

20050009	**Unexpected object**
Explanation	Internal error.
Action	Contact Software AG support and provide the source to be extracted.

20050016	**Linkage section not found**
Explanation	The source to be extracted does not include or contain a Linkage Section; therefore the parser cannot generate an IDL file.
Action	Ensure that selected source includes or contains a Linkage Section.

20050020	**Referenced file name not found**
Explanation	Referenced file could not be loaded.
Action	Check source code for correct file reference or that the referenced file exists on the file system.

20050021	**Parsing process failed for a file**
Explanation	Exception caught during parsing of specified file.
Action	Check that specified file exists and is valid.

20050030	**Nested exception**
Explanation	Other component throws an exception.
Action	Check documentation of encapsulated exception.

20050047	**Storage is empty**
Explanation	Internal error.
Action	Contact Software AG support and provide the source to be extracted.

49 Message Class 2006 - IDL Extractor for COBOL

This document describes error messages of the IDL Extractor for COBOL.

The messages have the format:

2006*nnnn*

where   2006   is the message class, and

       nnnn   is the message number in the range 0000 - 9999

20060002	**Syntax error**
Explanation	Parser read an unexpected token.
Action	Check and correct specified line.

20060004	**Invalid COBOL continuation**
Explanation	Found COBOL continuation in first line of source code. This is not allowed.
Action	Correct the first line of source code so that it does not contain a continuation line.

20060010	**Redefine base not found**
Explanation	The redefine base is not well defined for specified redefine path.
Action	Ensure that redefining parameter is referencing an existing parameter.

20060020   **Referenced file name not found**

Explanation   Referenced file could not be loaded.

Action   Check source code for correct file reference or that the referenced file exists on the file system.

20060030   **Nested exception**

Explanation   Other component throws an exception.

Action   Check documentation of encapsulated exception.

20060031   **IMS file not found**

Explanation   Parser could not find referenced IMS file.

Action   Check source code for correct file reference or that the referenced file exists on the file system.

20060041   **Procedure does not contain any parameters**

Explanation   Specified procedure has no parameters; the Software AG IDL does not support this type of call.

Action   If possible, add a dummy parameter to the procedure in the source code.

20060047   **Storage is empty**

Explanation   Internal error.

Action   Contact Software AG support and provide the source to be extracted.

20060048   **Internal error**

Explanation   Internal error.

Action   Contact Software AG support and provide the source to be extracted.

50 Message Class 2007 - IDL Extractor for PL/I

This section describes error messages of the IDL Extractor for PL/I.

The messages have the format:

2007*nnnn*

where 2007 is the message class, and

      nnnn is the message number in the range 0000 - 9999

20050009	**Unexpected object**
Explanation	Internal error.
Action	Contact Software AG support and provide the source to be extracted.

20070030	**Nested exception**
Explanation	Other component throws an exception.
Action	Check documentation of encapsulated exception.

20070031	**IMS file not found**
Explanation	Parser could not find referenced IMS file.
Action	Check source code for correct file reference or that the referenced file exists on the file system.

20070032   **Attribute is not supported**

Explanation   Attribute `(VAR)YING` is not supported.

Action   Remove the attribute and extract again.

20070033   **Size is not supported**

Explanation   The specified size of the parameter is not currently supported.

Action   Change the parameter/precision combination and extract again. See *Mapping PL/I Data Types to Software AG IDL* in the IDL Extractor for PL/I documentation.

20070034   **Print character is not supported**

Explanation   The print character in a `PICTURE` data description is not supported.

Action   Change/remove the parameter and extract again.

20070035   **Precision is not supported**

Explanation   The precision of the parameter is not supported and cannot be mapped to IDL data type.

Action   Change the parameter/precision combination and extract again. See *Mapping PL/I Data Types to Software AG IDL* in the IDL Extractor for PL/I documentation.

20070036   **Precision of fractional digits is not supported**

Explanation   The precision of fractional digits of the parameter data type declaration is not supported.

Action   If precision is required, use a parameter with data type `PIC X (n)` and manually handle conversion from String representation to decimal. If precision is not required, simply remove precision for the fractional digits and the parameter will be mapped to `F4`/`F8`. See *Mapping PL/I Data Types to Software AG IDL* in the IDL Extractor for PL/I documentation.

20070037   **No Procedure found**

Explanation   IDL Extractor needs a valid procedure to perform extraction.

Action   Ensure that selected source file contains a valid procedure.

20070038   **Maximum number of dimensions exceeded**

Explanation   Arrays can only be defined with three dimensions.

Action   Reduce dimensions of specified parameter.

20070039   **Declaration is not supported**

Explanation   Declared data type could not be mapped to IDL data type.

Action   Change the declared data type to a supported one. See *Mapping PL/I Data Types to Software AG IDL* in the IDL Extractor for PL/I documentation.

20070041   **Procedure does not contain any parameters**

Explanation   Specified procedure has no parameters; the Software AG IDL does not support this type of call.

Action   If possible, add a dummy parameter to the procedure in the source code.

20070042   **Unaligned is not supported**

Explanation   The unaligned attribute is unsupported.

Action   See *PL/I to IDL Restrictions* in the IDL Extractor for PL/I documentation.

51 Message Class 2008 - Software AG RPC Extractor Service

This section describes error messages which can occur in the RPC Extractor Service. The messages have the format:

2008*nnnn*

where 2008 is the message class, and

        nnnn is the message number in the range 0000 - 9999

20080001	**Service not implemented**
Explanation	The EXTRACTOR service is not implemented on target platform.
Action	Check installation or contact your system administrator.

20080002	**No access to RPC services**
Explanation	Service library ERX is not accessible.
Action	Check target installation. Probably module ERX is not in STEPLIB.

20080003	**Cannot get memory for <size> bytes**
Explanation	EXTRACTOR service failed due to storage shortage on target platform.
Action	Try again later. If still persists, contact your system administrator.

20080004	**Cannot open directory: \<reason\>**
Explanation	Open directory failed. If available, a target reason code will be supplied.
Action	Check reason code.

20080005	**Empty directory**
Explanation	Informational. The directory could be opened but did not contain entries for this request. This may be because the directory itself is empty or member selection (if applied) did not find a matching entry.
Action	None.

20080006	**Cannot open file: \<reason\>**
Explanation	Open file failed. If available, a target reason code will be supplied.
Action	Check reason code.

20080007	**Empty file**
Explanation	Informational. Read file found an empty file.
Action	None.

20080008	**Cannot read file: \<reason\>**
Explanation	Open file failed. If available, a target reason code will be supplied.
Action	Check reason code.

20080009	**RPC error occurred: \<error-number\> \<error-text\>**
Explanation	An EntireX RPC error occurred.
Action	Check EntireX RPC number.

20080010	**Not authorized: \<reason\>**
Explanation	Userid/Password check failed, a reason code will be supplied
Action	Check reason code.

20080011	**Not active**
Explanation	The EXTRACTOR service on target platform was not activated.
Action	Check target installation, `EXTRACTOR=YES`.

20080012	**Invalid usage of EXTRACTOR service**
Explanation	The RPC server received a request for the extractor service (using the IDL library SAG) for a broker service other than EXTRACTOR.
Action	The IDL library prefix SAG is reserved and must not be used by customer applications. See *Rules for Coding Library, Library Alias, Program, Program Alias and Structure Names* under *Software AG IDL File*.

20080200	**Broker Communication**
Explanation	The communication to the RPC Extractor Service failed.
Action	Check communication between the Extractor and RPC Extractor Service.

52 Message Class 2010 - RPC Server and Listener for IBM® MQ

This section describes error messages which can occur in the RPC Server and Listener for IBM® MQ. The messages have the format:

2010*nnnn*

where   2010   is the message class, and

   nnnn   is the message number in the range 0000 - 9999

20100001	**Process request and reply: invalid action <number indicating action>**
Explanation	While processing the request and the reply, an action was to take place which is illegal in the current state.
Action	Contact Software AG support.

20100009	**<Exception with detailed message >**
Explanation	An exception occurred while formatting the message. In most cases, the reason is an inconsistency in the metadata.
Action	See detailed message or contact Software AG support.

20100010	**Compression=off not possible**
Explanation	An RPC with compression 0 is not supported.
Action	Change compression to 1 or 2.

20100012	**\<Exception with detailed message>**
Explanation	This exception occurs in message processing.
Action	See detailed message and contact Software AG support.

20100013	**Preparing message failed, see log for details** **or** **Message received from server does not fit buffer**
Explanation	There are two reasons for this error code.

1. Marshalling of message failed before sending to CICS ECI.

2. The received message does not have the expected layout and the values cannot be unmarshalled from it.

Action	Check the following metadata for consistency or contact Software AG support:

- IDL file, see *Software AG IDL File* in the IDL Editor documentation.
- Server mapping file. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL.*
- Adapter connections.

20100015	**Transformation error on request: \<Exception with detailed message>**
Explanation	This exception occurs in message processing.
Action	See detailed message or contact Software AG support.

20100022	**Unsupported command \<command>** **or** **Exception: \<Exception with detailed message>**
Explanation	There are two reasons for this error code.

1. An unknown internal command is used.

2. An exception occurred during action processing. The log files contain a stack trace.

Action	See detailed message and log files or contact Software AG support.

20100202	**Exception with detailed message**
Explanation	An exception occurred when sending a message to MQ.
Action	See error code and description and follow detailed message.

20100203	**Exception with detailed message**
Explanation	An exception occurred when doing a commit of an MQ session.
Action	See error code and description and follow detailed message.

20100204	**Exception with detailed message**
Explanation	An exception occurred when doing a backout of an MQ session.
Action	See error code and description and follow detailed message.

20100205	**Exception with detailed message**
Explanation	An exception occurred during shutdown processing.
Action	See error code and description and follow detailed message.

20100206	**Exception with detailed message**
Explanation	An exception occurred when receiving a message from MQ.
Action	See error code and description and follow detailed message.

20100207	**Exception with detailed message**
Explanation	An exception occurred when opening an MQ queue.
Action	See error code and description and follow detailed message.

20100208	**Exception with detailed message**
Explanation	An exception occurred when connecting to an MQ queue manager.
Action	See error code and description and follow detailed message.

20100209	**No input queue opened**
Explanation	Receive failed because no input queue was opened.
Action	Specify an input queue in the configuration file.

20100210	**No output queue opened**
Explanation	Send failed because no output queue was opened.
Action	Define an output queue in the configuration file.

20100211	**Neither an input nor an output queue opened**
Explanation	RPC Server for IBM MQ cannot start because neither an input nor an output queue was opened.
Action	Specify an input and/or output queue in the configuration file.

20100212	**Input queue identical to reply queue**
Explanation	Request reply can only be done if the input queue and the output (reply) queue are different.
Action	Specify an input and output queue with different names in the configuration file

20100213	**Exception with detailed message**
Explanation	An exception occurred when calling the `beforePut` method in the user exit class.
Action	See error description and follow detailed message.

20100214	**Exception with detailed message**
Explanation	An exception occurred when calling the `beforeGetmethod` in the user exit class.
Action	See error description and follow detailed message.

20100215	**Exception with detailed message**
Explanation	An exception occurred when calling the `afterGetmethod` in the user exit class.
Action	See error description and follow detailed message.

20100216	**Cannot load user exit class**
Explanation	An exception occurred when loading or creating the user exit class.
Action	See error description and follow detailed message.

20100217	**Start of Listener for IBM MQ failed**
Explanation	An exception occurred when starting the Listener for IBM MQ.
Action	See error description and follow detailed message.

20100218   **Field MQEnvironment... error**

Explanation   An error occurred when accessing one of the `entirex.wmqbridge.environment` properties.

Action   See error description and follow detailed message.

53 Message Class 2011 - Connections to IMS Connect

This section describes messages that can occur with connections from the webMethods EntireX Adapter for Integration Server to IMS Connect. The messages have the format:

2011*nnnn*

where 2011 is the message class, and

nnnn is the message number in the range 0000 - 9999

20110001	Process request and reply: illegal action <number indicating action>
Explanation	During request/reply processing the next action is illegal in the current state.
Action	Contact Software AG support.

20110009	<Exception with detailed message >
Explanation	An exception occurred while formatting the message. In most cases, the reason is an inconsistency in metadata.
Action	See detailed message or contact Software AG support.

20110010	Compression=off not possible
Explanation	An RPC with compression "0" or "off" is not supported.
Action	Change compression to 1 or 2.

20110012	**\<Exception with detailed message\>**
Explanation	This exception occurs in message processing.
Action	See detailed message and contact Software AG support.

20110013	**Preparing message failed, see log for details** **or** **Message received from server does not fit buffer**
Explanation	There are two reasons for this error code.

1. Marshalling of message failed before sending to IMS Connect.

2. The received message does not have the expected layout and the values cannot be unmarshalled from it.

Action	Check the following metadata for consistency or contact Software AG support:

- IDL file, see *Software AG IDL File* in the IDL Editor documentation.

- Server mapping file. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL.*

- Adapter connections.

20110014	**Transformation error on reply: \<Exception with detailed message\>**
Explanation	The metadata is inconsistent or this data type is not supported.
Action	See detailed message or contact Software AG support.

20110015	**Transformation error on request: \<Exception with detailed message\>**
Explanation	This data type is not supported.
Action	See detailed message or contact Software AG support.

20110022	**Unsupported command \<command\>.** **or** **Exception: \<Exception with detailed message\>**
Explanation	There are two reasons for this error code.

1. An unknown internal command is used.

2. An exception occurred during action processing. The log files contain a stack trace.

Action	See detailed message and log files or contact Software AG support.

20110023	**Preparing message failed, see log for details**
Explanation	Marshalling of message failed before sending to IMS Connect.
Action	Check metadata (IDL, SVM, adapter connections) for consistency or contact Software AG support. Details can be found in `wmentirex.log` with trace level 2.

20110301	**Receive only not supported**
Explanation	This type of call is not supported.
Action	Modify your client.

20110302	**Send only not supported**
Explanation	This type of call is not supported.
Action	Modify your client.

20110303	**<detailed error message from IMS Connect>**
Explanation	IMS Connect reported an error, or the configuration is wrong.
	If IMS Connect returns code 16 and reason code 64, one cause is that the IMS exit is not installed or is not running. The default exit name is HWSSMPL0 (old) or HWSSMPL1 (new). Other configurations may also result in this return code and reason code.
	If the IMS Connect connection in the EntireX Adapter uses a port which is not related to IMS but to some other application, a call may result in the following message: `Unable to invoke adapter service <service name> [ADA.800.500] WmEntireX: exception while executing service: 2011 0303 java.io.EOFException`
	If the RPC Server for IMS Connect uses a port which is not related to IMS but to some other application, a call may result in the following message: `exception while executing service: 2011 0303 java.io.EOFException`
Action	Use the error code from IMS Connect to correct this or correct the configuration.

20110304	**Conversations not supported**
Explanation	IMS Connect does not support conversational RPC calls.
Action	Use non-conversational calls.

54 **Message Class 2012 - Connections to CICS ECI**

This message class contains messages that can occur with connections to CICS ECI. The messages have the format:

2012*nnnn*

where 2012 is the message class, and

       nnnn is the message number in the range 0000 - 9999

20120001	**Process request and reply: illegal action <number indicating action>.**
Explanation	During request/reply processing the next action is illegal in the current state.
Action	Contact Software AG support.

20120009	**<Exception with detailed message >**
Explanation	An exception occurred while formatting the message. In most cases, the reason is an inconsistency in metadata.
Action	See detailed message or contact Software AG support.

20120010	**Compression=off not possible.**
Explanation	An RPC with compression "0" ("off") is not supported.
Action	Change compression to 1 or 2.

20120012	**\<Exception with detailed message>**
Explanation	This exception occurs in message processing.
Action	See detailed message and contact Software AG support.

20120013	**Preparing message failed, see log for details.** **or** **Message received from server does not fit buffer**
Explanation	There are two reasons for this error code.

1. Marshalling of message failed before sending to CICS ECI.

2. The received message does not have the expected layout and the values cannot be unmarshalled from it.

Action	Check the following metadata for consistency or contact Software AG support:

■ IDL file, see *Software AG IDL File* in the IDL Editor documentation.

■ Server mapping file. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL.*

■ Adapter connections.

20120014	**Transformation error on reply: \<Exception with detailed message>**
Explanation	The metadata is inconsistent or this data type is not supported.
Action	See detailed message or contact Software AG support.

20120015	**Transformation error on request: \<Exception with detailed message>.**
Explanation	This data type is not supported.
Action	See detailed message or Contact Software AG support.

20120022	**Unsupported command \<command>.** **or** **Exception: \<Exception with detailed message>**
Explanation	There are two reasons for this error code. First, an unknown internal command is used. Second, an exception occurred during action processing. The log files contain a stack trace.
Action	See detailed message and log files or contact Software AG support.

20120023	**Preparing message failed, see log for details**
Explanation	Marshalling of message failed before sending to CICS ECI.
Action	Check metadata (IDL, SVM, adapter connections) for consistency or contact Software AG support. Details can be found in `wmentirex.log` with trace level 2.

20120351	**Receive only not supported**
Explanation	This type of call is not supported.
Action	Modify your client.

20120352	**Send only not supported**
Explanation	This type of call is not supported.
Action	Modify your client.

20120353	**<detailed error message from CICS ECI>**
Explanation	CICS ECI reported an error, or the configuration is wrong. This error number is also issued if the connection to CICS ECI is lost.
Action	Use the error code from CICS to correct this. The CICS error codes are described in the documentation of CICS from IBM.

Possible error codes are (others may occur):

- **AEI0: PGMIDERR**
  possible reasons: Callee not found - the called program does not exist or is not started.
- **ASRA**
  possible reasons: Division by zero.
- **4038: Index overwrite**
- **TCII (CICS Abend)**

A call to CICS ECI can result in an EOF exception because of

- Connection to the wrong port. There is some service listening on the port, but not CICS ECI.
- CICS ECI is not correctly configured.

20120354	**Conversations not supported**
Explanation	CICS ECI does not support conversational RPC calls.
Action	Use non-conversational calls.

55 Message Class 2013 - Deployment to XML RPC Server

This message class contains messages that can occur when deploying an XMM file to an XML RPC server. They have the following format:

2013*nnnn*

where 2013 is the message class, and

nnnn is the message number in the range 0000 - 9999

See *Deployment to RPC Server for XML/SOAP and Dynamic Configuration of RPC Server for XML/SOAP*.

20130001	**Unknown configuration method**
Explanation	Remote configuration is not supported by this version of the RPC Server for XML/SOAP.
Action	Upgrade to RPC Server for XML/SOAP Version 8.1 or later to use this feature.

20130002	**Invalid Call**
Explanation	The deployment message size exceeds the maximum message length.
Action	Increase maximum message size in Broker attribute file.

20130005	**Permission Denied: No write access**
Explanation	RPC Server for XML/SOAP cannot write files.
Action	Modify permission for affected part of file system.

20130007	**Permission Denied: No modification access**
Explanation	RPC Server for XML/SOAP cannot modify files.
Action	Modify permission for affected part of file system.

20130010	**Error during processing operation (Validation fails)**
Explanation	The XMM file contains one or more programs that were previously deployed within another XMM file. Multiple XMM files containing the same IDL program should not be deployed to the same server.
Action	Check XMM files to remove conflicts.

20130011	**Disabled Deployment for RPC Server for XML/SOAP**
Explanation	RPC Server for XML/SOAP supports deployment, but it is disabled in server properties.
Action	Modify the server properties for enabling deployment.

56 **Message Class 2014 - COBOL Converter**

The messages have the format:

2014*nnnn*

where 2014 is the message class, and

      nnnn is the message number in the range 0000 - 9999

20140001	**Process request and reply: illegal action <number indicating action>.**
Explanation	During request/reply processing the next action is illegal in the current state.
Action	Contact Software AG support.

20140009	**<Exception with detailed message >**
Explanation	An exception occurred while formatting the message. In most cases, the reason is an inconsistency in metadata.
Action	See detailed message or contact Software AG support.

20140010	**Compression=off not possible.**
Explanation	An RPC with compression "0" ("off") is not supported.
Action	Change compression to 1 or 2.

20140012	**\<Exception with detailed message>**
Explanation	This exception occurs in message processing.
Action	See detailed message and contact Software AG support.

20140013	**Preparing message failed, see log for details.** **or** **Message received from server does not fit buffer**
Explanation	There are two reasons for this error code.

1. Marshalling of message failed before sending to COBOL Converter.

2. The received message does not have the expected layout and the values cannot be unmarshalled from it.

Action	Check the following metadata for consistency or contact Software AG support:

- IDL file, see *Software AG IDL File* in the IDL Editor documentation.

- Server mapping file. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL.*

- Adapter connections.

20140014	**Transformation error on reply: \<Exception with detailed message>**
Explanation	The metadata is inconsistent or this data type is not supported.
Action	See detailed message or contact Software AG support.

20140015	**Transformation error on request: \<Exception with detailed message>.**
Explanation	This data type is not supported.
Action	See detailed message or Contact Software AG support.

20140022	**Unsupported command \<command>.** **or** **Exception: \<Exception with detailed message>**
Explanation	There are two reasons for this error code. First, an unknown internal command is used. Second, an exception occurred during action processing. The log files contain a stack trace.
Action	See detailed message and log files or contact Software AG support.

20140023   **Preparing message failed, see log for details**

Explanation   Marshalling of message failed before sending to COBOL Converter.

Action   Check metadata (IDL, SVM, adapter connections) for consistency or contact Software
                       AG support. Details can be found in `wmentirex.log` with trace level 2.

20140300   **Value for `cobolInput` misssing**

Explanation   The service parameter `cobolInput` has either no value or an empty array assigned.

Action   Correct your application and assign a non-empty byte array object to the parameter
                       `cobolInput`.

20140301   **Value for `cobolInput` is not of type byte[]**

Explanation   The service parameter `cobolInput` is not of type "byte array".

Action   Correct your application and assign a byte array object for the parameter `cobolInput`.

20140302   **Conversations not supported**

Explanation   COBOL Converter does not support conversational RPC.

Action   Use non-conversational calls.

57 Message Class 2015 - AS/400

The messages have the format:

2015*nnnn*

where 2015 is the message class, and

      nnnn is the message number in the range 0000 - 9999

20150001	**Process request and reply: illegal action <number indicating action>.**
Explanation	During request/reply processing the next action is illegal in the current state.
Action	Contact Software AG support.

20150009	**<Exception with detailed message >**
Explanation	An exception occurred while formatting the message. In most cases, the reason is an inconsistency in metadata.
Action	See detailed message or contact Software AG support.

20150010	**Compression=off not possible.**
Explanation	An RPC with compression "0" ("off") is not supported.
Action	Change compression to 1 or 2.

20150012	**<Exception with detailed message>**
Explanation	This exception occurs in message processing.
Action	See detailed message and contact Software AG support.

20150013	**Preparing message failed, see log for details.** **or** **Message received from server does not fit buffer**
Explanation	There are two reasons for this error code.

1. Marshalling of message failed before sending to AS/400.

2. The received message does not have the expected layout and the values cannot be unmarshalled from it.

Action	Check the following metadata for consistency or contact Software AG support:

- IDL file, see *Software AG IDL File* in the IDL Editor documentation.

- Server mapping file. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL.*

- Adapter connections.

20150014	**Transformation error on reply: <Exception with detailed message>**
Explanation	The metadata is inconsistent or this data type is not supported.
Action	See detailed message or contact Software AG support.

20150015	**Transformation error on request: <Exception with detailed message>.**
Explanation	This data type is not supported.
Action	See detailed message or Contact Software AG support.

20150022	**Unsupported command <command>.** **or** **Exception: <Exception with detailed message>**
Explanation	There are two reasons for this error code. First, an unknown internal command is used. Second, an exception occurred during action processing. The log files contain a stack trace.
Action	See detailed message and log files or contact Software AG support.

20150023   **Preparing message failed, see log for details**

Explanation   Marshalling of message failed before sending to AS/400.

Action   Check metadata (IDL, SVM, adapter connections) for consistency or contact Software
                     AG support. Details can be found in `wmentirex.log` with trace level 2.

20150050   **<detailed error message from AS/400>**

Explanation   The AS/400 system reported an error.

Action   Use the error message from the AS/400 system to correct this.

20150051   **<Exception with detailed message>**

Explanation   This exception occurs when calling the AS/400 system.

Action   Use the exception message to correct this..

20150100   **Receive only not supported**

Explanation   This type of call is not supported.

Action   Modify your client.

20150101   **Conversations not supported**

Explanation   AS/400 does not support conversational RPC calls.

Action   Use non-conversational calls.

20150102   **Reliable send not supported**

Explanation   This type of call is not supported.

Action   Modify your client.

58 **Message Class 2016 - Connections to CICS Socket**

Listener

The messages have the format:

2016*nnnn*

where 2016 is the message class, and

nnnn is the message number in the range 0000 - 9999

20160001	**Process request and reply: illegal action <number indicating action>**
Explanation	During request/reply processing the next action is illegal in the current state.
Action	Contact Software AG support.

20160009	**<Exception with detailed message >**
Explanation	An exception occurred while formatting the message. In most cases, the reason is an inconsistency in metadata.
Action	See detailed message or contact Software AG support.

20160010	**Compression=off not possible**
Explanation	An RPC with compression "0" or "off" is not supported.
Action	Change compression to 1 or 2.

20160012	**\<Exception with detailed message\>**
Explanation	This exception occurs in message processing.
Action	See detailed message and contact Software AG support.

20160013	**Preparing message failed, see log for details** **or** **Message received from server does not fit buffer**
Explanation	There are two reasons for this error code.

1. Marshalling of message failed before sending to CICS.

2. The received message does not have the expected layout and the values cannot be unmarshalled from it.

Action	Check the following metadata for consistency or contact Software AG support:

- IDL file, see *Software AG IDL File* in the IDL Editor documentation.

- Server mapping file. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL.*

- Adapter connections.

20160014	**Transformation error on reply: \<Exception with detailed message\>**
Explanation	The metadata is inconsistent or this data type is not supported.
Action	See detailed message or contact Software AG support.

20160015	**Transformation error on request: \<Exception with detailed message\>**
Explanation	This data type is not supported.
Action	See detailed message or contact Software AG support.

20160022	**Unsupported command \<command\>.** **or** **Exception: \<Exception with detailed message\>**
Explanation	There are two reasons for this error code.

1. An unknown internal command is used.

2. An exception occurred during action processing. The log files contain a stack trace.

Action	See detailed message and log files or contact Software AG support.

20160023   **Preparing message failed, see log for details**

Explanation   Marshalling of message failed before sending to CICS.

Action   Check metadata (IDL, SVM, adapter connections) for consistency or contact Software
                        AG support. Details can be found in `wmentirex.log` with trace level 2.

20160100   **Receive only not supported**

Explanation   This type of call is not supported.

Action   Modify your client.

20160101   **Invalid program name**

Explanation   Program name exceeds the maximum of 8 bytes.

Action   Modify your client.

20160102   **Reliable Send not supported**

Explanation   This type of call is not supported.

Action   Modify your client.

20160103   **Send only not supported**

Explanation   This type of call is not supported.

Action   Modify your client.

20160104   **Invalid encoding <message>**

Explanation   The configured encoding is not valid.

Action   Modify your configuration.

20160105   **<detailed error message from the socket layer>**

Explanation   Communication to the CICS Socket Listener resulted in an error. See the error message
                        for details.

Action   Use the error message from the socket layer to correct this or correct the configuration.

20160106   **Create PassTicket error: <error message>**

Explanation   Creation of the PassTicket was not possible. Check the error message for details.
                        Typically one of the input parameters (user ID, application name, or secured signon
                        key) is not valid.

Action   Modify the configuration.

20160107	**Invalid eyecatcher <message>**
Explanation	The response returned from CICS does not contain the expected eyecatcher. Possible reasons include:

- the configured port is not used by the CICS socket listener but by another application
- a wrong encoding has been specified in the configuration
- a CICS error occurred during the initial call (e.g. a security issue), check the message for details

Action	Modify the configuration.

20160108	**Invalid response length**
Explanation	The reply is shorter than the minimum length.
Action	Check the configuration (see **20160107**) or contact Software AG support.

20160109	**Not enough memory for response**
Explanation	The Java virtual machine does not provide enough memory to process the response.
Action	Check the configuration (see **20160107**) or increase the memory of the JVM.

20160110	**Internal version mismatch, received %s, expected %d**
Explanation	The response returned from CICS does not contain the expected version.
Action	Contact Software AG support.

20161000	**RFE Version not supported**
Explanation	The UNIX/Windows components and RPC RFE cannot agree to a valid protocol version.
Action	Verify if UNIX/Windows components and RPC RFE run with supported versions.

20161001	**Memory allocation failed**
Explanation	Cannot allocate memory in CICS region.
Action	Check CICS log for previous errors and for CICS short-on-storage conditions.

20161003	**Cannot take socket connection**
Explanation	Error from CICS TCP layer.
Action	Check for TCP-related errors in CICS log or contact Software AG support.

20161004	**Cannot create Socket**
Explanation	Error from CICS TCP layer.
Action	Check for TCP-related errors in CICS log or contact Software AG support.

20161005	**Cannot bind Socket**
Explanation	Error from CICS TCP layer.
Action	Check for TCP-related errors in CICS log or contact Software AG support.

20161007	**Select Socket failed**
Explanation	Error from CICS TCP layer.
Action	Check for TCP-related errors in CICS log or contact Software AG support.

20161008	**Communication timeout exceeded**
Explanation	The timeout value configured on UNIX/Windows side has been exceeded.
Action	Check timeout value on UNIX/Windows side or contact Software AG support.

20161009	**Recv Socket failed**
Explanation	Error from CICS TCP layer.
Action	Check for TCP-related errors in CICS log or contact Software AG support.

20161010	**Partner closed connection**
Explanation	This is not an error. It indicates that the UNIX/Windows component closed the connections.
Action	None.

20161013	**Invalid request data**
Explanation	RPC RFE received data which does not apply to the expected protocol data.
Action	Configure trace level 3 on UNIX/Windows side to display the data in CICS log.

20161014	**Internal: missing data in packet**
Explanation	RPC RFE received data which does not apply to the expected protocol data.
Action	Contact Software AG support.

20161015	**Unsupported interface type**
Explanation	RPC RFE received data which does not apply to the expected protocol data.
Action	Contact Software AG support.

20161016	**Unsupported request type**
Explanation	RPC RFE received data which does not apply to the expected protocol data.
Action	Contact Software AG support.

20161017	**Invalid data %s**
Explanation	RPC RFE received data which does not apply to the expected protocol data.

- **Invalid data: CommArea length less than CommArea data or > 32K**
  Internal data error in protocol

- **Invalid data: modified data outside defined interface**
  Potential reason: commarea definition of the remote program exceeds the interface definition in IDL.

Action	Contact Software AG support.

20161018	**EXEC CICS %s error, resp=%d resp2=%d**
Explanation	Error from executing CICS command.
Action	Check CICS documentation for `resp/resp2` of the related CICS command or contact Software AG support.

20161019	**Abend %.4s occurred in program %.8s psw=%s**
Explanation	Abnormal end occurred.
Action	Check CICS log for a dump and contact Software AG support.

20161020   **CICS VERIFY error: %.200s**

Explanation   Error from executing CICS `VERIFY` command.

Action   Check for conditions in dynamic message text or contact Software AG support.

20161021   **Error from system function %s errno:%d errno2:0x%4.8X**

Explanation   Error from z/OS system function.

Action   Check CICS log for extended error information (`errno` and `errno2`) and contact
                     Software AG support.

20161022   **Invalid definition of user task %.4s: %s**

Explanation   The user task defined in the EntireX Adapter/RPC Server is not correctly defined in
                     CICS.

Action   Define the user task as CICS task with the program `EXXRFECU`. See *EntireX CICS Socket
                     Listener* in the z/OS Installation documentation.

20161023   **Cannot give socket connection**

Explanation   Error passing the socket to the defined user task.

Action   Run with trace (set in EntireX Adapter/RPC server). The trace output provides
                     additional error information.

                     See

                     ■ *Changing the Trace Level Temporarily* using the Command Central GUI | Command
                       Line and

                     ■ *Configuring an RPC Server Instance > Trace Level* using the Command Central GUI |
                       Command Line in the RPC Server for CICS Socket Listener documentation

                     ■ *Adapter Settings* in the EntireX Adapter documentation

20161101   **CICS program %s call error, resp=%d resp2=%d**

Explanation   Error from executing CICS command `LINK`.

Action   Check CICS documentation for `resp`/`resp2` of the related CICS command or contact
                     Software AG support.

20161102   **CICS Syncpoint error, resp=%d resp2=%d**

Explanation	Error from executing CICS command `SYNCPOINT`.
Action	Check CICS documentation for `resp/resp2` of the related CICS command or contact Software AG support.

20161103   **CICS Rollback error, resp=%d resp2=%d**

Explanation	Error from executing CICS command `SYNCPOINT ROLLBACK`.
Action	Check CICS documentation for `resp/resp2` of the related CICS command or contact Software AG support.

20161104   **CICS Put Container %s error, resp=%d resp2=%d**

Explanation	Error from executing CICS command `PUT CHANNEL`.
Action	Check CICS documentation for `resp/resp2` of the related CICS command or contact Software AG support.

20161105   **CICS Get Container %s error, resp=%d resp2=%d**

Explanation	Error from executing CICS command `GET CHANNEL`.
Action	Check CICS documentation for `resp/resp2` of the related CICS command or contact Software AG support.

20161106   **CICS Call Container %s error, resp=%d resp2=%d**

Explanation	Error from executing CICS command `LINK CHANNEL`.
Action	Check CICS documentation for `resp/resp2` of the related CICS command or contact Software AG support.

59 Message Class 2023 - Connections to ApplinX

This message class contains messages that can occur with ApplinX Connections in the EntireX Adapter. The messages have the format:

2023*nnnn*

where   2023   is the message class, and

   nnnn   is the message number in the range 0000 - 9999

20230001	Process request and reply: illegal action <number indicating action>.
Explanation	During request/reply processing the next action is illegal in the current state.
Action	Contact Software AG support.

20230009	<Exception with detailed message >
Explanation	An exception occurred while formatting the message. In most cases, the reason is an inconsistency in metadata.
Action	See detailed message or contact Software AG support.

20230010	Compression=off not possible
Explanation	An RPC with compression "0" ("off") is not supported.
Action	Change compression to 1 or 2.

20230012	**\<Exception with detailed message\>**
Explanation	This exception occurs in message processing.
Action	See detailed message and contact Software AG support.

20230013	**Preparing message failed, see log for details**
	or
	Message received from server does not fit buffer
Explanation	There are two possible reasons for this error code:

1. Marshalling of message failed before sending to CICS ECI.

2. The received message does not have the expected layout and the values cannot be unmarshalled from it.

Action	Check the following metadata for consistency or contact Software AG support:

- IDL file, see *Software AG IDL File* in the IDL Editor documentation.

- Server mapping file. A server mapping file is a Designer file with extension .svm or .cvm. See *Server Mapping Files for COBOL.*

- Adapter connections.

20230015	**Transformation error on request: \<Exception with detailed message\>.**
Explanation	This data type is not supported.
Action	See detailed message or contact Software AG support.

20230022	**Unsupported command \<command\>.**
	or
	Exception: \<Exception with detailed message\>
Explanation	There are two possible reasons for this error code:

1. An unknown internal command is used.

2. An exception occurred during action processing. The log files contain a stack trace.

Action	See detailed message and log files or contact Software AG support.

60 Message Class 3000 - NetWeaver XI Adapter

When the sender adapter detects an error situation it returns an RPC message to the RPC client application. All errors returned by the adapter use message class 3000.

The messages have the format:

3000*nnnn*

where 3000 is the message class, and

nnnn is the message number in the range 0000 - 9999.

30000001	**Processing RPC request from client failed**
Explanation	During the processing of the RPC request from a client an exception occurred. The message text is the text of the exception.
Action	Check the error message for details. Typical situations are

1. The RPC request cannot be converted into a PI message, or

2. PI returned an error response.

30000002	**Listening for an RPC request from client failed**
Explanation	An exception occurred while the adapter was waiting for an RPC request or while it was analyzing a request received from a client. The message text is the text of the exception.
Action	Check the error message for details.

30000003	**Multiple channels configured for {program}**
Explanation	There are multiple specific channel configurations for the same program name in PI.
Action	Correct the channel configurations in PI.

30000004	**Multiple generic channels configured**
Explanation	There are multiple generic channel configurations (`Processing Type=Process all Programs`) for the same RPC server address in PI.
Action	Correct the channel configurations in PI.

30000005	**No channel configuration found for {program}**
Explanation	No channel configuration can be found for the program name specified in the RPC client request.
Action	Correct the RPC client application or specify a channel configuration in PI for this program.

30000006	**XMM file of channel {channel} has no definition for {program}**
Explanation	A generic channel configuration is available but the XMM file does not contain an entry for the program name specified in the RPC client request.
Action	Correct the RPC client application or the channel configuration in PI.

30000007	**Unknown RPC server command {cmd}**
Explanation	The adapter received an unknown server command from the RPC client.
Action	Check the RPC client.

30000008	**Invalid RPC call with type {type}**
Explanation	The adapter received a request type from the RPC client.
Action	Check the RPC client.

30000009	**Conversational RPC not possible**
Explanation	The adapter received a conversational RPC request type from the client. The adapter does not support conversational RPC.
Action	Correct your RPC client application so that it does not use conversational RPC.

30000010   **Program {programName} in lib {libraryName} cannot be used with QoS {qos}**

Explanation   The adapter received an RPC request type from the client which contained `OUT` or `INOUT` parameters. Only RPC requests with `IN` parameters can be processed for Quality of Service "Exactly Once" (EO) or "Exactly Once in Order" (EOIO).

Action   Correct your RPC client application so that it uses only `IN` parameters. Or reconfigure the Communication Channel with Quality of Service "Best Effort" (BE).

30000011   **Duplicate Sender Agreement for program/interface {programName} found**

Explanation   More than one Sender Agreement has been found with the same interface name for the mentioned program.

Action   Change the Sender Agreements so that only one Sender Agreement with the same interface name exists for every Communication Channel.

30000012   **No Sender Agreement for program/interface {programName} found**

Explanation   No Sender Agreement has been found for the mentioned program.

Action   If the parameter `Processing Type` has the value `Process a specific Program`, define a Sender Agreement for the Communication Channel. If the parameter has the value `Process all Programs`, define a Sender Agreement for the mentioned program where the interface name is identical to the program name.

30000013   **First parameter has incorrect format for external Message ID: {message}**

Explanation   The parameter `First Parameter of RPC Program is used as Message ID` has been selected in the Communication Channel. This parameter does not have the correct format. For details see the error message. Most likely the first parameter is not declared with the type A36.

Action   Correct the definition of the first parameter or deselect the parameter in the Communication Channel.

30000014   **Program {programName} in lib libraryName cannot be used with Reliable RPC**

Explanation   The RPC client is sending a Reliable RPC call to a Communication Channel which is using "EntireX RPC" as the message protocol.

Action   Either change the client so it uses standard RPC, or set the message protocol in the Communication Channel to "EntireX Reliable RPC".

30000015   **Program {programName} in lib {libraryName} can only be used with Reliable RPC**

Explanation   The RPC client is sending a standard RPC call to a Communication Channel which is using "EntireX Reliable RPC" as the message protocol.

Action   Either change the client so it uses Reliable RPC, or set the message protocol in the Communication Channel to "EntireX RPC".

61 Message Class 4000 - EntireX Process Extractor

This message class contains messages that can occur with EntireX Process Extractor. The messages have the format:

4000*nnnn*

where 4000   is the message class, and
      nnnn   is the message number in the range 0000 - 9999

40000001	**Exception during processing call: <exception text>**
Explanation	An unexpected error occurred during processing of a call from an RPC client or server.
Action	Check the exception text for details.

40000013	**Character set for <character set type> not available**
Explanation	No character set is available for an RPC call.
Action	Contact Software AG support.

40000014	**Encoding LS=<char set name> not supported**
Explanation	The specified character set is not available. Only character sets supported by the Java JVM can be used.
Action	Change the configuration of the RPC client or server.

40000015   **\<error message\>**

Explanation   An error during character set conversion.

Action   See error message for details.

40000017   **\<detail message\>**

Explanation   An error occurred on the connection from EntireX Process Extractor to the broker.

Action   See error message for details. Check whether the broker is running and whether the connection from EntireX Process Extractor is available.

62 Message Class ETBD - Broker Log and Console - Diagnostic Messages

This page explains diagnostic messages from the EntireX Broker Log and Console. These messages have the format:

ETBD*nnnn*

where ETBD is the message class, and

     nnnn   is the message number in the range 0000-9999

ETBD0280	**Function Entered**
Explanation	This message is written to the log data set when tracing is set to a trace level greater than 1. An EntireX Broker internal function module is entered.
Action	This message is for diagnostic purposes only.

ETBD0281	**Cleaned Up:**
Explanation	This message is written to the log data set from the TOM task when tracing is set to a trace level greater than 0. Resources used internally (CCBs, PCBs and SCBs) are made available again for reuse.
Action	This message is for diagnostic purposes only.

ETBD0282	SPFX Values:
Explanation	This message is written to the log data set from the worker tasks when tracing is set to any trace level greater than 0. It reports the incoming and outgoing calls to EntireX Broker.
Action	This message is for diagnostic purposes only.

ETBD0283	EntireX Broker Memory Pool Allocations:
Explanation	This message is written to the log data set from the EntireX Broker main task for any trace level including level 0. It provides addresses and lengths for all memory pools allocated during Broker initialization processing.
Action	This message is for diagnostic purposes only.

ETBD0284	Sizes of Broker Memory Pool
Explanation	This message is written to the log data set from the EntireX Broker dispatcher task for any trace level including level 0. It provides the length of the virtual memory to be allocated during initialization processing and is divided into several parts, each part concerning a Broker-related object such as conversations or messages.
Action	This message is for diagnostic purposes only.

ETBD0285	************* NEW REQUEST ************
Explanation	This message is written to the log data set from the worker tasks when tracing is set to any trace level greater than 1. At this point, the trace for a new call to EntireX Broker begins.
Action	This message is for diagnostic purposes only.

ETBD0286	Diagnostic Value
Explanation	This message is used as header line for various diagnostic messages.
Action	None.

ETBD0287	EntireX Broker Startup Attributes:
Explanation	This message provides information about the global attributes read from the Broker attribute file. It is written to the log data set from the EntireX Broker dispatcher task for any trace level including Level 0.
Action	This message is for diagnostic purposes only.

ETBD0288	Function completed
Explanation	Diagnostic output.
Action	None.

ETBD0289	%s
Explanation	These are messages of the exception handler and provide information about an abnormal error.
Action	Contact Software AG support.

ETBD0295	Signal received!
Explanation	An abnormal error has occurred. The process ID and the signal number are written to the Broker error log.
Action	Contact Software AG support.

ETBD0296	Additional Information
Explanation	This is the first message after error messages that require additional diagnostic data (for example, for any security violations). It is written to the EntireX Broker log file for any trace level including level 0.
Action	This message is for diagnostic purposes only.

ETBD0297	ETB_SHUTDOWN semaphore posted
Explanation	The shutdown semaphore has been posted. The broker kernel will shutdown.
Action	This message is for diagnostic purposes only.

ETBD0298	Exit Message
Explanation	A messages with this number is issued by a user exit, and the meaning of the message depends on the context of the exit that issued it.
Action	Depends on exit that issued the message.

ETBD0303	Command logging file information
Explanation	Information on a z/OS command logging output file is displayed.
Action	This message is for diagnostic purposes only.

ETBD0324	**CLOG file 1 is now ready to be copied**
Explanation	The first command logging output file (`DD:CLOGR1` on z/OS) has been closed and can be copied for examination. The second command logging output file (`DD:CLOGR2` on z/OS) is now the active output file.
Action	This message is for diagnostic purposes only.

ETBD0325	**CLOG file 2 is now ready to be copied**
Explanation	The second command logging output file (`DD:CLOGR2` on z/OS) has been closed and can be copied for examination. The first command logging output file (`DD:CLOGR1` on z/OS) is now the active output file.
Action	This message is for diagnostic purposes only.

ETBD0353	**Contents of ICU data directory:**
Explanation	The contents of the ICU data directory are listed.
Action	None.

ETBD0436	**Service attributes**
Explanation	This message informs about service attributes and is written to the log when tracing is set to any trace level greater than 4.
Action	None.

ETBD0442	**RESTART: Processing starting**
Explanation	This informs the Administrator about the start of the persistent store restore processing.
Action	None.

ETBD0443	**RESTART: Processing finished**
Explanation	This informs the Administrator about the finished restore processing of the persistent store.
Action	None.

ETBD0444	**Shutdown Statistics:**
Explanation	This message is written to the log data set when the Broker shuts down after a successful execution. Shutdown statistics and other information are written directly following this message in the log.
Action	This message is for diagnostic purposes only.

ETBD0471	Topic attributes
Explanation	This message informs about Topic attributes and is written to the log when tracing is set to any trace level greater than 4.
Action	None.

ETBD0518	EntireX Broker ADABAS Attributes:
Explanation	This message provides information on all `DEFAULTS=ADABAS` attributes configured for the Adabas PSTORE.
Action	None.

ETBD0519	EntireX Broker c-tree Attributes:
Explanation	This message provides information on all `DEFAULTS=CTREE` attributes configured for the c-tree PSTORE.
Action	None.

ETBD0520	EntireX Broker DIV Attributes:
Explanation	This message provides information on all `DEFAULTS=DIV` attributes configured for the DIV PSTORE.
Action	None.

ETBD0552	EntireX Broker SSL Attributes
Explanation	This message informs about all `DEFAULTS=SSL` attributes configured for the SSL communicator.
Action	None.

ETBD0553	EntireX Broker NET Attributes:
Explanation	This message informs about all `DEFAULTS=NET` attributes configured for the NET communicator.
Action	None.

ETBD0556	Thread [re]started
Explanation	This message informs the Administrator about the start of a Broker thread. This message is written to the log when tracing is set to any trace level greater than 0.
Action	None.

ETBD0557	**Thread stopped**
Explanation	This message informs the Administrator about the stop of a Broker thread. This message is written to the log when tracing is set to any trace level greater than 0.
Action	None.

ETBD0560	**EntireX Broker TCP/IP Attributes**
Explanation	This message informs about all `DEFAULTS=TCP` attributes configured for the TCP/IP communicator.
Action	None.

ETBD0565	**z/VSE operating system information**
Explanation	z/VSE operating system information is displayed.
Action	This message is for diagnostic purposes only.

ETBD0658	**EntireX Broker Memory Pool Settings:**
Explanation	This message is written to the log data set from the EntireX Broker main task for any trace level including level 0. It provides a summary of pools scheduled for allocation and the number of slots per pool.
Action	This message is for diagnostic purposes only.

ETBD0665	**EntireX Broker AUTH-RULES Attributes:**
Explanation	This message provides information on `AUTHORIZATION-RULES` attributes.
Action	None.

ETBD0672	**Broker Memory Pool Deallocation:**
Explanation	This message is written to the log data set from the EntireX Broker main task for any trace level including level 0. It provides addresses and lengths for all memory pools deallocated during Broker termination processing.
Action	This message is for diagnostic purposes only.

ETBD0677	**RESTART: PSTORE rebuild started**
Explanation	The persistent store was not properly finalized. The restart procedure detected an inconsistency that needs to be repaired. The rebuild procedure was just started to re-create the affected files.
Action	No action required.

ETBD0678	**RESTART: PSTORE rebuild stopped**
Explanation	The rebuild procedure was stopped.
Action	No action required.

ETBD0665	**EntireX Broker AUTH-RULES Attributes:**
Explanation	This message provides information on `AUTHORIZATION-RULES` attributes.
Action	None.

ETBD0694	**EntireX Broker SECURITY Attributes:**
Explanation	This message provides information on `SECURITY` attributes.
Action	None.

ETBD0735	**Unload Object**
Explanation	This message informs the Administrator about the unload of a persistent store record. This message is written to the log when tracing is set to any trace level greater than 0.
Action	None.

ETBD0736	**Upload Object**
Explanation	This message informs the Administrator about the upload of a persistent store record. This message is written to the log when tracing is set to any trace level greater than 0.
Action	None.

ETBD0943	**AppMon string:**
Explanation	The application monitoring data is displayed.
Action	None.

63 Message Class ETBE - Broker Log and Console - Error Messages

This page explains EntireX Broker Log and Console Messages. These messages have the format:

ETBE*nnnn*

where ETBE is the message class, and

   nnnn   is the message number in the range 0000-9999

ETBE0001	SECURITY: Failed to load user exit
Explanation	EntireX broker was unable to load the security exit. Broker tries to load the security exit only if `SECURITY=YES` is defined in the attribute file.
Action	Either do not specify the `SECURITY=YES` in the attribute file, or make the security exit available.

ETBE0013	Value For Keyword Too Long
Explanation	The specified value for a correct keyword in a configuration file (for instance the broker attribute file) has too many characters. This response arises in the following situations:

1. During broker startup when the global resources defined in the section `DEFAULTS=BROKER` are read, a wrong value length is detected within this section. The broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong value length is detected within this service definition. The service cannot be registered.

Action	Correct the value assigned to the keyword in the configuration file.

ETBE0014	**Class def missing or invalid**
Explanation	The definition of a server class is either missing or invalid.
Action	Either specify a class definition or use the correct values to specify one.

ETBE0015	**Max Possible NUM-CLIENT Reached**
Explanation	This is a temporary resource shortage. The maximum number of broker clients that can be active at one time is reached. A new client cannot be handled until client resources are available again by user timeouts.
Action	Increase `NUM-CLIENT` (or if `CLIENT-NONACT` has too high a value, decrease it) in the broker attribute file.

ETBE0018	**Max Possible NUM-SERVER Reached**
Explanation	This is a temporary resource shortage. The maximum number of broker servers that can be active at one time is reached. New servers are not accepted until server resources are available again, either by deregistrations or user timeouts.
Action	Try to register the server to the broker later. If the error occurs frequently, increase `NUM-SERVER` (or if `SERVER-NONACT` has too high a value for some services, decrease it) in the broker attribute file.

ETBE0019	**TRANSLATION Not Specified**

ETBE0023	**Unknown keyword**
Explanation	A given keyword in a configuration file (for instance the broker attribute file) is not known by the broker. This response arises in the following situations:
	A given keyword in the configuration file is not known by the broker. This response arises in the following situations:
	1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, a wrong keyword is detected within this section. The broker cannot be started.
	2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong keyword is detected within this service definition. The service cannot be registered.
Action	Correct or remove the keyword in the configuration file as appropriate.

ETBE0024	**CONV-LIMIT may not be UNLIM**
Explanation	The service-specific CONV-LIMIT value is specified with UNLIM. In this special configuration, this is not allowed because the global NUM-CONVERSATION attribute is set to AUTO. See also *Broker Resource Allocation*.
Action	Either change the global NUM-CONVERSATION parameter to a defined value, or change the specific CONV-LIMIT value to a particular value.

ETBE0025	**CONV-DEFAULT not spec or UNLIM**
Explanation	The global CONV_DEFAULT attribute is either specified as UNLIM or not specified at all. The error occurs in situations where EntireX Broker cannot calculate the number of conversations needed. This situation occurs if

- NUM-CONVERSATION=AUTO and CONV-DEFAULT=UNLIM and there is at least one service that does not assign CONV-LIMIT, or

- NUM-CONVERSATION=AUTO and CONV-DEFAULT is undefined and there is at least one service that does not assign CONV-LIMIT.

Action	Correct the error in the attribute file. Define NUM-CONVERSATION with a particular value or define CONV-DEFAULT with a particular value or use the CONV-LIMIT attribute for every single service definition.

ETBE0026	**Zero Value For Keyword Not Allowed**
Explanation	The specified value for a correct keyword in a configuration file (for instance the broker attribute file) must not be zero or null value. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section DEFAULTS=BROKER are read, a value of zero or null is detected for a value within this section. The broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the DEFAULTS=SERVICE section is read, a value of zero or null is detected within this service definition. The service cannot be registered.

Action	Correct the value assigned to the keyword in the configuration file.

ETBE0027	**Value For Keyword Out Of Range**
Explanation	The specified value for a correct keyword in a configuration file (for instance the broker attribute file) is out of range. This response arises in the following situations:

1. During broker startup when the global resources defined in the section DEFAULTS=BROKER are read, the wrong value is detected for a value within this section. The broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong value is detected within this service definition. The service cannot be registered.

Action	Correct the value assigned to the keyword in the configuration file.

ETBE0028	**Invalid Value For Keyword**
Explanation	The specified value for a correct keyword in a configuration file (for instance the broker attribute file) is wrong. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, a wrong value is detected for a value within this section. The broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong value is detected within this service definition. The service cannot be registered.

Action	Correct the value assigned to the keyword in the configuration file.

ETBE0029	**SHORT-BUFF-LIMIT may not be UNLIM**
Explanation	The service-specific `SHORT-BUFF-LIMIT` value is specified with `UNLIM`. In this special configuration this is not allowed because the global `NUM-SHORT-BUFFER` attribute is set to `AUTO`. See also *Broker Resource Allocation*.
Action	Either change the global `NUM-SHORT-BUFFER` parameter to a defined value, or change the specific `SHORT-BUFF-LIMIT` value to a particular value.

ETBE0030	**SHORT-BUFF-DEF not spec or UNLIM**
Explanation	The global `SHORT-BUFF-DEF` attribute is either specified as `UNLIM` or not specified at all. The error occurs in situation where EntireX Broker cannot calculate the number of short buffers needed. This situation occurs if

- `NUM-SHORT-BUFFER=AUTO` and `NUM-SHORT-DEF=UNLIM` and there is at least one service that does not assign `SHORT-BUFF-LIMIT`, or

- `NUM-SHORT-BUFFER=AUTO` and `NUM-SHORT-DEF` is undefined and there is at least one service that does not assign `SHORT-BUFF-LIMIT`.

Action	Correct the error in the attribute file. Define `NUM-SHORT-BUFFER` with a particular value or define `NUM-SHORT-DEF` with a particular value or use the `SHORT-BUFF-LIMIT` attribute for every single service definition.

ETBE0032	**LONG-BUFF-LIMIT may not be UNLIM**
Explanation	The service-specific `LONG-BUFF-LIMIT` value is specified with `UNLIM`. In this special configuration ,this is not allowed because the global `NUM-LONG-BUFFER` attribute is set to `AUTO`.
Action	Either change the global `NUM-LONG-BUFFER` parameter to a defined value, or change the specific `SHORT-LONG-LIMIT` value to a particular value.

ETBE0033	**LONG-BUFF-DEF not spec or UNLIM**
Explanation	The global `LONG-BUFF-DEF` attribute is either specified as `UNLIM` or not specified at all. The error occurs in situation where EntireX Broker cannot calculate the number of long buffers needed. This situation occurs if

- `NUM-LONG-BUFFER=AUTO` and `NUM-LONG-DEF=UNLIM` and there is at least one service that does not assign `LONG-BUFF-LIMIT`, or

- `NUM-LONG-BUFFER=AUTO` and `NUM-LONG-DEF` is undefined and there is at least one service that does not assign `LONG-BUFF-LIMIT`

Action	Correct the error in the attribute file. Define `NUM-LONG-BUFFER` with a particular value or define `NUM-LONG-DEF` with a particular value or use the `LONG-BUFF-LIMIT` attribute for every single service definition.

ETBE0034	**SERVICE**
Explanation	The `DEFAULTS=SERVICE` section in the attribute file could not be found.
Action	Correct the broker attribute file and provide a valid `DEFAULTS=SERVICE` section. See *Service-specific Attributes*.

ETBE0035	**Duplicate Value Found**
Explanation	A duplicate keyword has been detected in a configuration file (for example the broker attribute file). This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, duplicate keywords are detected within this section. The broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, duplicate keywords are detected within this service definition. The `REGISTER` request is refused.

Action	Eliminate the duplicate keyword in the broker attribute file.

ETBE0036   **Unknown service attribute**

Explanation   An unknown attribute definition was found. Please refer to the entry in the log file in order to find the line and the column where this error occurred.

Action   Correct the broker attribute file and provide valid attribute definitions. See *Service-specific Attributes*.

ETBE0037   **Value must be YES or NO**

Explanation   The valid values for this attribute are YES or NO only. Please refer to the entry in the log file to find the line and the column where the error happened.

Action   Correct the attribute file and select either YES or NO for the attribute where the error happened

ETBE0038   **Error During Open Of File**

Explanation   A configuration file (for instance the broker attribute file) cannot be accessed. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, the broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, this service cannot be used.

Action   Contact administrator or check for the following causes:

1. No configuration file is allocated to the broker.

2. The specified configuration file does not exist.

3. The broker has no access to the configuration file, for example for security reasons, or the configuration file is enqueued by another process.

4. The configuration file has an invalid format for the platform used. Refer to the appropriate Installation documentation.

ETBE0039   **Env Var ETB_ATTR not set**

Explanation   This message is issued during broker startup. The environment variable `ETB_ATTR` is not set. The broker attribute file cannot be accessed.

Action   The environment variable `ETB_ATTR` must contain the path and file name of the broker attribute file to get startup parameters and the Service definitions. `ETB_ATTR` is set by the broker startup shell script. Check the assignment of `ETB_ATTR`.

ETBE0040	**Error During Close Of File**
Explanation	A configuration file (for instance the broker attribute file) cannot be accessed. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, the broker cannot be started.

2. When a server tries to register with the broker and the service definition from the `DEFAULTS=SERVICE` section is read, this service cannot be used.

Action	Check all causes listed under error 0038, and then the following: Ensure that no other process has changed the file characteristics of the configuration file.

ETBE0043	**Service Definition Not Found**
Explanation	The broker did not find the service definition within the attribute file when a service attempted to register
Action	Check the service specified in the `CLASS`, `SERVER` and `SERVICE` fields in the API, or make sure the service definition in the broker attribute file is valid.

ETBE0045	**Keyword Value Must Be Numeric**
Explanation	The specified value for a correct keyword in a configuration file (for instance the broker attribute file) is wrong, that is, not alphanumeric. This response arises in the following situations:

1. During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, a wrong value is detected for a value within this section. The broker cannot be started.

2. When a server tries to register with EntireX Broker and the service definition from the `DEFAULTS=SERVICE` section is read, a wrong value is detected within this service definition. The service cannot be registered.

Action	Correct the value assigned to the keyword in the configuration file.

ETBE0053	**Global Broker Attribute Missing**
Explanation	A mandatory keyword in the broker attribute file is missing. This response arises in the following situation: During broker startup, when the global resources defined in the section `DEFAULTS=BROKER` are read, a keyword is missing in this section. The broker cannot be started.
Action	Insert the missing keyword in the broker attribute file.

ETBE0054	**BROKER section missing**
Explanation	During broker startup, the section `DEFAULTS=BROKER` with the global resources was not found in the broker attribute file. The broker cannot be started.
Action	Define the section `DEFAULTS=BROKER` in the broker attribute file.

ETBE0056	**Parameter processing error**
Explanation	During broker startup, an error has been detected in a configuration file parameters (for instance in the broker attribute file).
Action	Examine the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0058	**Failed To Get Memory From OS**
Explanation	The requested store needed by the definitions made along with the attributes in the section `DEFAULTS=BROKER` in the broker attribute file is not available from the operating system.
Action	Increase the storage available to the EntireX Broker from the operating system or, if possible, decrease the defined resources in the section `DEFAULTS=BROKER` in the broker attribute file. The amount of storage required is given by message 0284.

ETBE0061	**Shortage For NUM-LONG-BUFFER**
Explanation	This is a resource shortage. Currently, no long message containers are available. Long message containers are used for data/messages longer than 2048 bytes.
Action	Because this is a temporary resource shortage, it makes sense to try the `SEND` call later in hope that the resource shortage is over. Be careful not to have a loop programmed in this situation. If this occurs frequently, increase the number of long message containers defined in the section `DEFAULTS=BROKER` with the keyword `NUM-LONG-BUFFER`.

ETBE0062	**Work Queue Anchor For WQEs Missing**
Explanation	The entry point to the work queue in the work queue header is not present. This can occur during broker startup. The broker cannot be started.
Action	Contact Software AG support.

ETBE0063	**Failed To Start Worker Task**
Explanation	The broker dispatcher has failed to start a worker task. This can occur during broker startup. The broker is active if at least one worker task can be started.
Action	Check that the setting of `NUM-WORKER` in the broker attribute file is not too high for the platform. Examine the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0064	**Failed To Start All Workers Tasks**
Explanation	The broker dispatcher has failed to start any worker task. This can occur at broker startup. The broker cannot be started.
Action	Examine the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0065	**WQEs Lost**
Explanation	The broker dispatcher has problems distributing the work to the worker subtasks.
Action	Contact Software AG support.

ETBE0066	**No Worker Task Dispatched**
Explanation	The broker dispatcher cannot find a worker subtask to delegate work to. The broker is stopped immediately.
Action	Contact Software AG support.

ETBE0069	**NUM-LONG-BUFFER Available Again**
Explanation	This message is issued when the resource shortage in the long message container is over. You may find a 0061 error message in the log data set denoting the start of the resource shortage.
Action	None. This message is informational only.

ETBE0070	**Abnormal End Of Dispatcher**
Explanation	The broker dispatcher has ended abnormally. The broker is stopped immediately.
Action	Contact Software AG support.

ETBE0071	**NUM-SHORT-BUFFER Available Again**
Explanation	This message is issued when the resource shortage in the short message container is over. You may find a 0057 error message in the log data set denoting the start of the resource shortage.
Action	None. This message is for information purposes only.

ETBE0075	**TRANS: Failed To Load Routine**
Explanation	The user exit that performs translation services could not be loaded. The translation routine for the service is specified by the `TRANSLATION` parameter for the service in the attribute file. The routine is loaded during `RECEIVE` calls to the broker.
Action	Check the log data set for further load failure messages. Possible causes for the failure are:

1. An incorrect name for the translation routine is specified.

    2. The translation routine is linked incorrectly.

    3. The translation routine does not reside in a library accessible by the Broker.

ETBE0076	**No Free OMB - Log Messages Lost**
Explanation	While writing a message to the log data set, a resource shortage occurred and the output of a log message is not possible.
Action	Contact Software AG support.

ETBE0077	**Unknown Route Code Detected**
Explanation	The broker detected an error while writing a message. Messages are normally routed to the COM task for output.
Action	Contact Software AG support.

ETBE0078	**No OMB Available - Broker Failed**
Explanation	The broker detected an error while writing a message. The structure for routing messages to the COM task does not exist or is destroyed. The broker is stopped immediately.
Action	Contact Software AG support.

ETBE0080	**SHUTDOWN DUE TO INITIALIZATION ERROR**
Explanation	During broker startup, the EntireX Broker detected an initialization error which causes shutdown.
Action	Examine the output referenced by the `SYSPRINT` DD statement as well as the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0082	**Failed To Start Timeout Manager**
Explanation	The broker has failed to start the TOM Task. This situation can occur during broker startup. The broker cannot be started.
Action	Examine the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0083	**SYSPRINT FAILED TO OPEN**
Explanation	During broker startup, an error has been detected attempting to open the data set referenced by the `SYSPRINT` DD statement. The attempted output from the echo of the broker startup parameters, the persistent store parameters, and the broker attribute file parameters to the data set referenced by the `SYSPRINT DD` statement failed.
Action	Examine the `SYSPRINT` DD statement, the broker log data set and the Operating System log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0084	**Failed to start Common Output Manager**
Explanation	The broker dispatcher has failed to start the Common Output Manager.
Action	Examine the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0086	**BROKER STARTUP PARAMETER(S) ERROR**
Explanation	During broker startup, at least one error has been detected in the EntireX Broker startup parameters.
Action	Examine the output referenced by the `SYSPRINT` DD statement as well as the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0087	**Failed To Open Error Log File**
Explanation	The broker detected an error while writing messages to the log data set. This message is issued during broker startup. The broker cannot be started.
Action	Contact Software AG support.

ETBE0088	**Failed To Get Lock**
Explanation	This situation occurs when EntireX Broker is busy and internal resources needed to satisfy the call are currently not available.
Action	Retry the call to EntireX Broker. If this occurs frequently, contact Software AG support.

ETBE0089	**Failed To Write Error Log File**
Explanation	This message applies to z/OS systems only.EntireX Broker detected an error while writing messages to the log data set. This message is issued at EntireX Broker startup time. The broker cannot be started.
Action	Check the JCL for a missing assignment of the `SYSTERM` DD statement.

ETBE0090	**EntireX Broker is not APF-authorized**
Explanation	During broker startup, the EntireX Broker detected that the load libraries are not all APF-authorized in z/OS.
Action	Ensure that all the data sets referenced by the `STEPLIB` DD statement have been APF-authorized in z/OS. Check the spelling of the data set names for accuracy. Correct any error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0091	**EntireX Broker not started under TSOS**
Explanation	The EntireX Broker on BS2000 was started with global attribute `SECURITY=YES` and security attribute `ACCESS-SECURITY-SERVER=NO`. This mode requires Broker running under TSOS in order to execute privileged security checks.
Action	Start Broker under TSOS.

ETBE0092	**Communication Manager Not Stopped**
Explanation	The broker has detected a shutdown request, and after telling the COM task to terminate, the COM task has not terminated within an acceptable time limit.
Action	Examine the log data set of EntireX Broker and the operating system log. If the cause cannot be determined, contact Software AG support.

ETBE0095	**Invalid WQE Status Detected**
Explanation	An error has been detected during the return of the user's EntireX Broker call back to the caller.
Action	Contact Software AG support.

ETBE0096	**Max Possible NUM-SERVICE Reached**
Explanation	The maximum number of EntireX Broker services that can be active at one time is reached. A subsequent service register request is not accepted.
Action	Try again later. If this error occurs frequently, increase the `NUM-SERVICE` attribute in the section `DEFAULTS=BROKER` in the broker attribute file.

ETBE0097	**Max possible NUM-TOPIC reached**
Explanation	The maximum number of EntireX Broker topics that can be active at one time is reached.
Action	Try again later. If this error occurs frequently, increase the `NUM-TOPIC` attribute in the section `DEFAULTS=BROKER` in the broker attribute file.

ETBE0106	**Security Server not accessible**
Explanation	The EntireX Broker on BS2000 was started with global attribute `SECURITY=YES` and security attribute `ACCESS-SECURITY-SERVER=YES`. This mode requires that the Broker Security Server has already been started.
Action	Start Broker Security Server and then restart the broker.

ETBE0112	**No SUBSCRIBER-STORE assigned**
Explanation	A topic is defined as `ALLOW-DURABLE=YES` but there is no subscriber store defined to save the subscriber data on any store.
Action	Either change the topic attributes to `ALLOW-DURABLE=NO` which makes it impossible to make a durable subscription, or set the value of global attribute `SUBSCRIBER-STORE` to `PSTORE`. A valid `SUBSCRIBER-STORE` requires additional attributes for the persistent store type etc.
	Note: The secondary persistent store (`SSTORE`) feature is no longer available. Also, the communication model publish and subscribe is no longer supported.

ETBE0115	**NET: NODE attribute missing**
Explanation	Attribute `NODE` in section `DEFAULTS=NET` is not defined. However, attribute `NODE` is necessary to identify the `DBID` that the broker uses to work as an addressable "target". Extracting the `DBID` from the numeric section of the `BROKER-ID` is no longer supported.
Action	Set attribute `NODE=dbid`.

ETBE0116	**Allocation of Communicator pool failed**
Explanation	During Broker startup, the shared memory for the Communicator instances could not be allocated. The previous message in the broker error log contains detailed information about the allocation problem.
Action	Check the previous error log message to solve the problem. If the shared memory is already allocated, a message "File exists" is written as the previous log message.

ETBE0117	**Level AUTHORIZATION not supported**
Explanation	Attribute `SECURITY-LEVEL=AUTHORIZATION` was specified but is not available on BS2000.
Action	Change value of attribute `SECURITY-LEVEL`. See `SECURITY-LEVEL` under *Broker Attributes*.

ETBE0120	**Broker Startup Failed**
Explanation	Broker startup has failed.
Action	Examine the broker log data set and the operating system log and use the information message in the log data set issued at startup to determine the cause of the error. If you cannot determine the cause, contact Software AG support.

ETBE0128	**Work queue full or alloc XWQE failed**
Explanation	The broker was unable to successfully allocate a worker queue entry (WQE) because insufficient entries are available.
Action	Increase the parameter `NUM-WQE` in the broker attribute file.

ETBE0129	**Not enough space in Communication buffer**
Explanation	Communication buffer is too small.
Action	Increase size of the communication buffer (`NUM-COMBUF`) and retry.

ETBE0132	**PSI: Parameters not specified**
Explanation	During broker startup, the EntireX Broker persistent store parameters were not specified. This is caused by not having `SYSIN` specified in the startup job.
Action	The EntireX Broker persistent store parameters need to be specified in the input data set referenced by the `SYSIN` DD statement.

ETBE0133	**PSI: Parameter processing error**
Explanation	During broker startup, an error has been detected in the broker persistent store parameters.
Action	Examine the output referenced by the `SYSPRINT` DD statement as well as the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0135	**Failed to release Attached Buffers**
Explanation	This is an internal error and occurs if the buffer manager gets inconsistent data structures.
Action	Contact Software AG support.

ETBE0146	**Access denied by Security Facility**
Explanation	The security system has returned an error. The user is not authorized to use EntireX Broker.
Action	A security violation has occurred. This message and the related user ID are written to the broker log.

ETBE0147	**No authorization for this Service**
Explanation	The security system has returned an error. The user is not authorized to use the requested Service.
Action	A security violation has occurred. This message and the related user ID are written into the broker log.

ETBE0150	**EntireX Broker Invalid Operator Command**
Explanation	The broker has received an invalid command from the operator console.
Action	This is a user error. Check the operator command specified

ETBE0151	**Memory Pool <1> Macro <2> Failed. R15: <3>**
Explanation	During Broker startup, the required memory could not be allocated and the Broker could not be started. The name of the macro that failed is given in *<2>*. For BS2000, also given are the memory pool name in *<1>* and the return code of the macro in *<3>*.
Action	Check the space requirements against the available space. Space requirements are highly influenced by the attributes defined in the attribute file. For the actual size, see message 0284 which was issued during Broker startup.
	For BS2000, you can obtain additional information by looking up the meaning of the macro return code in the BS2000 *Executive Macros* documentation (*Makroaufrufe an den Ablaufteil*).
	Example: R15 = 14000004 for ENAMP means that there is not enough free space in the task's address space.
	If you cannot determine the cause of the error, contact Software AG support.

ETBE0152	**Attach Error: <1>**
Explanation	This message applies to BS2000 only. During startup, the Broker engine could not start the Dispatcher or the Dispatcher could not start the other Broker tasks. Therefore, the broker could not be started.
Action	Administrator - Depending on the additional error information:
	1. `error_code` from `ENTER` for *task*

BS2000 returns error message code *error_code* for `ENTER/ENTER-JOB` command which is used to start task *task*. Analyze the error message code and check parameter PRM... for *task* in EntireX Broker engine parameter file.

2. Internal error during `ENTER` for *task*

The `ENTER/ENTER-JOB` command itself causes a problem. Contact Software AG support.

3. No JCL defined for *task*

The JCL location was not specified correctly. Check parameter `JOB....` for *task* in EntireX Broker engine parameter file for example, parameter `JOBTOM` if *task* is TOM.

ETBE0153	**Load For Module <1> Failed - Abend**
Explanation	This message applies to BS2000 only. During startup, the identified Broker module could not be loaded and therefore the broker could not be started.
Action	The module must be contained in the module library that is assigned to link name `DDLIB2` in the broker startup procedure. If this has been done correctly and you cannot determine the cause of the error, contact Software AG support.

ETBE0154	**No Response From Dispatcher**
Explanation	The EntireX Broker engine has not received "Ready for work" from the Broker Dispatcher and the broker cannot be started.
Action	z/OS and z/VSE users, contact Software AG support.
	BS2000 users, ensure that the Dispatcher task was started correctly and program ETBMAIN was loaded before this error message was issued. If both are true, contact Software AG support.

ETBE0155	**<1> Unknown ECB Name <2>**
Explanation	This message applies to BS2000 only. The ECB name that determines the event name for BS2000 eventing is invalid. The program where the error was detected is identified in the message (*<1>* and *<2>*).
Action	Contact Software AG support.

ETBE0156	ETBXSI: Invalid Task Type
Explanation	This message applies to BS2000 only. The task name was not passed correctly to a task started by the Broker Engine or the Broker Dispatcher and therefore the broker could not be started.
Action	Contact Software AG support.

ETBE0157	<1> Macro <2> Failed. R15: <3>
Explanation	This message applies to BS2000 only. A BS2000 macro has returned an error. If this happens during startup, the EntireX Broker cannot be started. The name of the program where the error was detected is given in *<1>*, the macro name in *<2>*, and the return code in *<3>*.
Action	Check the explanation for the return code in the BS2000 *Executive Macros* documentation (*Makroaufrufe an den Ablaufteil*). If the cause cannot be determined, contact Software AG support.

ETBE0158	<1> Unresolved Pointer To <2>
Explanation	The address of an internal structure is not valid. The name of the program where the error was detected is given in *<1>* and the name of the structure is given in *<2>*.
Action	Contact Software AG support.

ETBE0159	<1> Log Error: <2>
Explanation	An error has occurred during logging done in the EntireX Broker engine. The name of the program where the error was detected is given in *<1>*. *<2>* contains additional information about the error situation.
Action	Depends on the additional error information:

■ **File not assigned**
   Check JCL of EntireX Broker start job for CLOG assignment.

■ **OPEN error**
   Check access to file assigned to CLOG. Ensure that the CLOG file has the correct format for the platform used.

■ **Data set is full**
   None. This message is for information purposes only.. Logging is stopped but EntireX Broker continues.

   Any other error situation: contact Software AG support.

ETBE0161   **Broker Version vrsn Initialization Failed**

Explanation   The EntireX Broker engine could not start the Dispatcher successfully, or the Dispatcher
                     started but has not reached "Ready for work and active". Notation *vrsnn* refers to
                     the version, release, SM and patch level, for example 61102 if patch 2 is installed.

Action   Examine the broker log data set and the operating system log. Correct the error and
                     restart the broker. If you cannot determine the cause of the problem, contact Software
                     AG support.

ETBE0168   **This instance of BROKER already running**

Explanation   You have attempted to start a Broker that is already running.

Action   None. This message is for information purposes only.

ETBE0172   **Failed to get Attached Buffers**

Explanation   The broker buffer manager could not allocate memory for the `RECEIVE` buffer. A
                     detailed error message follows this message.

Action   Check the next error message line in the EntireX broker error log.

ETBE0190   **API: Invalid Cmd/Info Services Version**

Explanation   The EntireX Broker kernel does not recognize the Command and Information Services
                     API version requested.

Action   This is a user error. Please check the following:

                     ■ If you are using `ETBINFO`, `ETBCMD` or any other Software AG-provided Command
                       and Information Services application: Check that the version of `ETBINFO` or `ETBCMD`
                       is the same or earlier than the version of the Broker kernel.

                     ■ If you are using your own Command and Information Services application: verify
                       that the Command and Information Services API version will work with the version
                       of EntireX. The following table shows the maximum CIS API version for the
                       respective version of EntireX:

Broker/EntireX Version	Max. CIS API Version
ETB 1 or ETB 2	1
EXX 3, 4, 5, 6	2
EXX 7.1	3
EXX 7.2	4
EXX 7.3	5
EXX 8.0 or 8.1	6
EXX 8.2	7
EXX 9.0, 9.5, 9.6, 9.7, 9.9	8
EXX 9.10, 9.12	9

Broker/EntireX Version	Max. CIS API Version
EXX 10.1, 10.3	10
EXX 10.5	11

- A possible cause for this error is a `SEND-LENGTH` that is too short. Increase this value if necessary.

ETBE0196 **Disconnected Due To New Location**

Explanation This situation occurs only when working with the `TOKEN` parameter in the API; that is, the user is identified by `USER-ID`/`TOKEN` instead of `USER-ID`/Internal ID. If the user changes the physical location between EntireX Broker calls (e.g., a new session from another terminal), the old session retrieves this response. The new session takes all conversations of the old session.

Action The program has to be ended.

ETBE0207 **STUB: No request or reply buffer**

Explanation This is a problem with the broker stub used by the application. The stub did not send the broker call in the correct internal format.

Action Check that the broker stub being used is the correct one. Check the log data set for an image of the internal format. Examine this string for the user issuing the call.

ETBE0217 **Worker Task Failed - Broker Stopped**

Explanation The broker dispatcher has detected the abend of a worker task. The broker is stopped immediately.

Action If the problem reoccurs, start the broker with parameter `SIGCATCH=NO`. This will produce a dump of the error situation. Send this dump to Software AG support.

ETBE0220 **Counter gets negative:**

Explanation One of the internal counters describing the number of used short buffers, long buffers, etc. has become negative.

Action Contact Software AG support.

ETBE0223 **ERROR FROM USER TRANSLATION**

Explanation This message is written if the user translation or conversion routine has an error. The message indicates active class.name.service and name of the relevant translation or conversion routine.

Action This is a user error. Check the application, locale string assigned and designated translation or conversion exit. Correct the error.

ETBE0224	**POST / WAIT error occurred**
Explanation	The internal communication between Broker processes has failed. This is a hard error. The previous message line in the broker error log contains additional error information.
Action	The error must be solved to get the broker running properly. A restart of the broker could be required.

ETBE0231	**ICULIB: Initialization failed**
Explanation	The initialization of ICU failed due to an error.
Action	Check preceeding messages for details of the ICU initialization error.

ETBE0232	**PSI: Query release failed**
Explanation	Resources obtained for a Command and Info Services query cannot released.
Action	Contact Software AG support

ETBE0236	**ABEND flagged, go down now**
Explanation	The broker has terminated abnormally.
Action	Contact Software AG support.

ETBE0240	**Error in ENCRYPTION/DECRYPTION exit**
Explanation	An error has occurred within the security exit, either explicitly returned by the exit function, or implicitly by overwriting the buffer maximum length.
Action	Check the implementation of the security exit. Also check whether the application has sufficient permission to perform the desired operation.
	Note: For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

ETBE0242	**Error in** `LOGOFF` **exit**
Explanation	An error occurred during the invocation of the `LOGOFF` exit.
Action	Check the behavior of your security exit.

ETBE0256	**Receive Task failed**
Explanation	The Receive task could not be created correctly by the Communicator nucleus.
Action	The previous message line in the broker error log describes the reason for the failed task creation. The broker terminates with an error condition. Try to solve the problem and restart the broker.

ETBE0257	**Reply Task failed**
Explanation	The Communicator nucleus could not create the Reply task correctly.
Action	The previous message line in the broker error log describes the reason for the failed task creation. EntireX Broker terminates with an error condition. Try to solve the problem and restart the broker.

ETBE0261	**No free participant entry**
Explanation	The broker has detected an error while searching for a free PCB entry. There is no PCB entry available.
Action	Increase `NUM-SERVER` and/or `NUM-CLIENT`.

ETBE0265	**No free service entry**
Explanation	The broker has detected an error while searching for a free SCB (Service Control Block) entry. There is no SCB entry available. The number of SCBs is set based upon the number of clients, servers, and services. When this error is returned, it means that all of the SCBs are in use. The current formula for the number of SCBs is: `NUM-CLIENT` + `NUM-SERVER` + `NUM-SERVICE` + 5.
Action	Recommendations:

■ Increase `NUM-SERVICE`.

■ Increase `NUM-SERVER`.

■ Increase `NUM-CLIENTS`.

Increasing the values will increase the total number of SCBs.

To free up the idle SCBs sooner:

■ Decrease `CLIENT-NONACT`.

■ Decrease `CONV-NONACT`.

■ Set `SERVER-NONACT`.

Decreasing the non-activity timers will cause the inactive resources to be made available to other users.

If `DYNAMIC-MEMORY-MANAGEMENT` is set to `YES`, this error should no longer occur.

ETBE0269	**PSTORE required**
Explanation	An EntireX Broker call involving PSTORE is requested but EntireX Broker runs with setting `PSTORE=NO`. Any PSTORE operation is prohibited.
Action	Contact your Broker Administrator.

ETBE0271	**Communicator Nucleus failed**
Explanation	The Communicator nucleus could not initialize tasks or resources correctly.
Action	The previous message lines in the broker error log describe the reason for the failed Communicator initialization. EntireX Broker terminates with an error condition. Try to solve the problem and restart the broker.

ETBE0272	**Inactive task detected**
Explanation	Each EntireX Broker process waits a short time after successful initialization. The process then checks all other Broker processes for activity. If a task is not active, this message is issued.The broker performs its shutdown processing and terminates with an error.
Action	Check the reason for the failed process and try to solve the problem.

ETBE0277	**PSI: Replace operation failed**
Explanation	The PSTORE operation to replace the contents of a unit of work failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0313	**Broker RESTART failed**
Explanation	Restart procedure failed due to errors.
Action	Check preceeding error messages for details.

ETBE0315	**PSI: SAVE failed**
Explanation	Timeout manager attempted to save data to the DIV PSTORE. This operation failed with an error.
Action	Check preceeding error messages for details.

ETBE0316	**PSTORE: Initialization failed**
Explanation	Initialization of the persistent store failed. The broker could not be initialized.
Action	Verify that the persistent store environment is set up properly and restart the broker.

ETBE0319	**PSI: WRITE failed**
Explanation	An attempt to write data to the persistent store has failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0320	**PSI: READ control data failed**
Explanation	An attempt to read control data from the persistent store has failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0321	**PSI: READ message data failed**
Explanation	An attempt to read message data from the persistent store has failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0322	**PSI: UPDATE failed**
Explanation	An attempt to update the persistent store has failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0323	**PSI: WRITE both failed**
Explanation	An attempt to write two data items to the persistent store has failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0326	**PSI: PURGE failed**
Explanation	An attempt to delete data from the persistent store has failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0327	**PSI: Dump DIV pool failed**
Explanation	Broker cannot print requested DIV data due to exhausted heap. This is 31-bit heap storage on z/OS.
Action	Change the runtime settings to increase the size of the runtime heap.

ETBE0328	**PSI: Scan operation failed**
Explanation	An attempt to scan for selected data on the persistent store has failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0343	ICU data directory does not exist
Explanation	Broker checks ICU-related attribute settings. The directory specified for ICU custom converters does not exist. See attributes `ICU-DATA-DIRECTORY` and `ICU-SET-DATA-DIRECTORY`.
Action	Correct the path specified as value for attribute `ICU-DATA-DIRECTORY`.

ETBE0348	License has expired
Explanation	The Broker is running with an emergency license key and will stop after issuing this message.
Action	Get a valid license file.

ETBE0354	EntireX License Key Error
Explanation	An error occurred while processing the EntireX License file. Additional error test will provide more information. The broker kernel will terminate.
Action	Consult the additional error text and take appropriate action.

ETBE0358	PSI: Query operation failed
Explanation	The PSTORE operation to run a query is failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0361	Cannot [un]install Event Code Exit
Explanation	The license exit cannot be installed because the Broker `STEPLIB` is not APF-authorized.
Action	Ensure that all the data sets referenced by the `STEPLIB` DD statement have been APF-authorized in z/OS. Check the spelling of the data set names for accuracy. Correct any error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0368	No host:port value specified
Explanation	The requested value requires a host name and a valid port number.
Action	Repeat the command with valid host port data.

ETBE0378	PSILIB: Library not loadable
Explanation	An error occurred while loading a module for PSTORE.
Action	Check the library path (or steplib value), and make sure that pstore modules are installed. Pstore module names could be BTPSI or ADAPSI. The names vary depending on platform.

ETBE0379	API: Inconsistent security installation
Explanation	The setting for security in the broker kernel is different from the settings in one or more of the broker stubs. Either the broker kernel and all stubs must be configured to operate with security, or the kernel and all stubs must be configured to operate without security. See *EntireX Security*.

For ACI version 8 and above, this error can be caused by an application not honoring the returned value of kernel security in the broker control block field. |
| Action | Ensure the security settings are consistent for broker kernel and all the stubs. |

ETBE0381	Unable to get lock for PCB Create
Explanation	The broker is busy and the internal resources needed to satisfy the call are currently not available (due to concurrent attempts to serialize the process of creating a user, a block occurs and the user cannot get logged on).
Action	Retry the call to the broker. If this happens frequently, contact Software AG support.

ETBE0383	Invalid PSTORE value
Explanation	The value for attribute PSTORE was not specified correctly.
Action	Enter PSTORE=COLD or PSTORE=HOT. See PSTORE under *Broker Attributes*.

ETBE0385	Topic definition not found
Explanation	The broker did not find the topic definition within the attribute file when a topic attempted to subscribe.
Action	Check the topic specified in the TOPIC field in the API, or make sure the topic definition in the broker attribute file is valid.

ETBE0388	PSI: UOWs can NOT be persisted
Explanation	A request for a UOW to be persisted (STORE=BROKER) cannot be fulfilled, because at startup the broker attributes specify no persistent store (PSTORE=NO).
Action	Review broker attribute settings related to the persistent store.

ETBE0389	**PSI: UOW status can NOT be persisted**
Explanation	A request for a UOW status to be persisted cannot be accomplished, since at startup, the broker attributes specify no persistent store (`PSTORE=NO`).
Action	Review broker attribute settings related to the persistent store.

ETBE0396	**Start of SSL Communicator Failed**
Explanation	Broker cannot create the thread to run the communication manager for SSL transport. If it is not possible to start at least one communication manager, broker will shutdown.
Action	Please check previous error messages and contact Software AG support.

ETBE0402	**SECURITY/ENCRYPTION-LEVEL mismatch**
Explanation	A mismatch in the broker attribute file has been detected: If an `ENCRYPTION-LEVEL` is specified, then `SECURITY` must be set to `YES`.
Action	Verify that the security exit is present and set `SECURITY=YES` to enable `ENCRYPTION-LEVEL` processing.

Note:

1. The broker attribute setting `SECURITY=NO` cannot be used with any encryption level not equal to 0 (= zero); otherwise the ETBE0402 error condition will occur when application issues registration command.

2. For encrypted transport we strongly recommend using the Secure Sockets Layer/Transport Layer Security protocol. See *SSL/TLS and Certificates with EntireX*.

ETBE0405	**PSI: UOW Index initialization failed**
Explanation	The broker tried to create an internal index for every unit of work. This operation failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0406	**PSI: Add entry to UOW Index failed**
Explanation	The broker tried to add an entry to the internal index for units of work. This operation failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0407	**PSI: Logical read failed**
Explanation	The logical read operation through the Adabas PSTORE returned an error.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0408	**RESTART failed. Cannot set BACKEDOUT**
Explanation	Broker cannot properly back out a UOW. Restart fails and Broker stops.
Action	Contact Software AG support.

ETBE0409	**PSI: Delete entry from UOW Index failed**
Explanation	The broker tried to delete an entry from the internal index for units of work. This operation failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0410	**PSI: Close UOW Index failed**
Explanation	The broker tried to close the internal index for units of work. This operation failed.
Action	Examine the broker log file for more information and contact Software AG support if necessary.

ETBE0411	**RESTART failed. Cannot restore UOW**
Explanation	Broker cannot properly restore a UOW. Restart fails and Broker stops.
Action	Contact Software AG support.

ETBE0412	**RESTART failed. Cannot set ACCEPTED**
Explanation	Broker cannot properly set up a UOW to accepted state. Restart fails and Broker stops.
Action	Contact Software AG support.

ETBE0414	**SUBSCRIBER-STORE needs PSTORE**
Explanation	`SUBSCRIBER-STORE=PSTORE` is defined in broker attribute file, but `PSTORE` is set to `NO` in order to disable the persistent store for this Broker run.
Action	Set `PSTORE=COLD` or `PSTORE=HOT` to run Broker with enabled `PSTORE`.

ETBE0415	NUM-SUBSCRIBER-TOTAL too small
Explanation	NUM-SUBSCRIBER-TOTAL must be greater than or equal to NUM-SUBSCRIBER. This parameter is required if SUBSCRIBER-STORE=PSTORE is defined.
Action	Set NUM-SUBSCRIBER-TOTAL to AUTO or use a value greater than or equal to NUM-SUBSCRIBER.

ETBE0416	NUM-TOPIC-TOTAL too small
Explanation	NUM-TOPIC-TOTAL must be greater than or equal to NUM-TOPIC. This parameter is required if SUBSCRIBER-STORE=PSTORE is defined.
Action	Set NUM-TOPIC-TOTAL to AUTO or use a value greater than or equal to NUM-TOPIC.

ETBE0423	AUTO/Catch-All Service mismatch
Explanation	A mismatch in the broker attribute file has been detected: if the catch-all service has been defined (CLASS= *, SERVER= *, SERVICE = *) then the value of AUTO is not allowed for the NUM-CONVERSATION, NUM-LONG-BUFFER or NUM-SHORT-BUFFER attributes.
Action	If the catch-all service is defined, make sure the attributes NUM-CONVERSATION, NUM-LONG-BUFFER and NUM-SHORT-BUFFER all have specified values.

ETBE0425	Start of TCP Communicator Failed
Explanation	Broker cannot create the thread to run the communication manager for TCP/IP transport. If it is not possible to start at least one communication manager, Broker will shutdown.
Action	Please check previous error messages and contact Software AG support.

ETBE0427	Failed to start Any Communicators
Explanation	Broker is not able to start at least one communication manager and shuts down.
Action	Please check previous error messages and contact Software AG support.

ETBE0430	RESTART failed. Cannot purge UOW
Explanation	A unit of work cannot be removed from persistent store. Restart fails and Broker stops.
Action	Check the preceeding error messages for details.

ETBE0431	**Error during read of file**
Explanation	A configuration file (for instance the broker attribute file) cannot be read.
Action	Make sure that the configuration file is readable and not corrupt.

ETBE0434	**PSTORE: Cannot create master record**
Explanation	`PSTORE=COLD` was set to build a new persistent store.
Action	Broker could not write the master record. Check the preceeding error messages for details.

ETBE0446	**ATTR: SERVER-LIMIT may not be UNLIM**
Explanation	The service-specific `SERVER-LIMIT` value is specified with `UNLIM`. In this special configuration, this is not allowed because the global `NUM-SERVER` attribute is set to `AUTO`. See also *Broker Resource Allocation*.
Action	Either change the global `NUM-SERVER` parameter to a defined value, or change the specific `SERVER-LIMIT` value to a particular value.

ETBE0447	**ATTR: SERVER-DEFAULT not spec or UNLIM**
Explanation	The global `SERVER-DEFAULT` attribute is either specified as `UNLIM` or not specified at all. The error occurs in situations where EntireX Broker cannot calculate the number of servers needed. This situation occurs if
	▪ `NUM-SERVER=AUTO` and `SERVER-DEFAULT=UNLIM` and there is at least one service that does not assign `SERVER-LIMIT`, or
	▪ `NUM-SERVER=AUTO` and `SERVER-DEFAULT` is undefined and there is at least one service that does not assign `SERVER-LIMIT`.
Action	Correct the error in the attribute file. Define `NUM-SERVER` with a particular value or define `SERVER-DEFAULT` with a particular value or use the `SERVER-LIMIT` attribute for every single service definition.

ETBE0450	**Error during data compression**
Explanation	Compression of the data was attempted, but resulting size was equal to or greater than original data.
Action	The compress option is turned `OFF` for this transmission of data; data will not be compressed.

ETBE0451	**Error during data decompression**
Explanation	During a decompress operation, failure occurred; it is most likely the result of insufficient memory for the process.
Action	Increase available memory for process, if possible.

ETBE0452	**Unexpected error during comp/decomp**
Explanation	Error resulted from a compress or decompress operation, and is not accounted for by Errors 450 or 451.
Action	Save trace information. Contact Software AG support.

ETBE0455	**RESTART failed. Master record unreadable**
Explanation	The restore of the persistent data (`PSTORE=HOT`) failed. The master record is unreadable.
Action	Check the preceeding error messages for details.

ETBE0456	**Accounting file did not open; set to off**
Explanation	The accounting output file on UNIX or Windows failed to open during Broker startup. The accounting function is turned off.
Action	If accounting is not needed, no action is required. If accounting is needed, ensure that the accounting file to be written to is not in use by another process. After the accounting file is freed, the Broker must be restarted.

ETBE0457	**RESTART failed. Invalid master record**
Explanation	The restore of the persistent data (`PSTORE=HOT`) failed. The master record data is invalid.
Action	Contact Software AG support.

ETBE0469	**RESTART failed. Sequential OPEN failed**
Explanation	The persistent store cannot be opened for sequential read. Restart fails and Broker stops.
Action	Check the preceeding error messages for details.

ETBE0479	**RESTART failed. Cannot set DISCARD**
Explanation	Broker cannot properly discard a UOW. Restart fails and Broker stops.
Action	Check the preceeding error messages for details.

ETBE0495	RESTART failed. No master record update
Explanation	The persistent store cannot be initialized correctly. It was not possible to update the master record. Restart fails and Broker stops.
Action	Check the preceeding error messages for details.

ETBE0496	Timeout Manager not Active
Explanation	All Broker threads check the active state of the Timeout Manager during startup. This task is not running and Broker will shutdown.
Action	Check the log file for error messages created by the Timeout Manager.

ETBE0497	Worker Task not Active
Explanation	All Broker threads check the active state of the Worker tasks during startup. Since at least one Worker task did not come up properly, Broker will shutdown.
Action	Check the log file for error messages created by the Worker tasks.

ETBE0501	TCP port numbers not unique
Explanation	You cannot specify the same PORT number twice for the same HOST.
Action	Specify a different PORT number.

ETBE0502	Failed to get lock for WQE
Explanation	This message reports a situation where EntireX Broker internal resources are currently not available.
Action	None. This message is for diagnostic purposes only. EntireX Broker recovers the situation internally.

ETBE0509	Neither IPV4 nor IPV6 socket operational
Explanation	The listen socket could not be established for either IPV4 or IPV6. The communicator stops.
Action	Check the subsequent error messages and correct the error.

ETBE0534	CONVERSION ignored if ICU-CONVERSION=NO
Explanation	Global attribute ICU-CONVERSION in Broker section is set to NO and one or more service definitions specify CONVERSION METHOD=ICU.
Action	Change broker attribute ICU-CONVERSION to YES.

ETBE0535	PSTORE is not licensed
Explanation	The license does not permit the usage of PSTORE. Usage of PSTORE is disabled.
Action	If PSTORE is needed, request an appropriate license.

ETBE0511	Nucleus Startup Failed
Explanation	One nucleus of the transport layer detected an error and will stop now. All supported transports will issue this message on error.
Action	Check the log file for error messages. Contact Software AG support.

ETBE0514	Transport Initialization Failed
Explanation	An error occurred during initialization of the transport layer. All supported transports will issue this message on error during initialization.
Action	Check the log file for error messages. Contact Software AG support.

ETBE0547	Max num AUTHORIZATION-RULE reached
Explanation	The maximum number of `AUTHORIZATION-RULE` entries in the attribute file has been reached. The current maximum number is 16 authorization rules.
Action	Reduce the number of `AUTHORIZATION-RULE` entries.

ETBE0548	Max num HOST entries reached
Explanation	You cannot specify more than five `HOST` entries per section.
Action	Reduce number of `HOST` entries.

ETBE0549	Max num PORT entries reached
Explanation	You cannot specify more than five `PORT` entries per section.
Action	Reduce number of `PORT` entries.

ETBE0550	DEFAULTS=NET section missing
Explanation	`TRANSPORT=NET` was specified but the transport-specific section `DEFAULTS=NET` is missing.
Action	Define the transport-specific attributes in section `DEFAULTS=NET`.

ETBE0551	DEFAULTS=SSL section missing
Explanation	TRANSPORT=SSL was specified but the transport-specific section DEFAULTS=SSL is missing.
Action	Define the transport-specific attributes in section DEFAULTS=SSL.

ETBE0554	ICULIB: Library not loadable
Explanation	The ICU Converter library (sagtchaicu.so on UNIX; sagtchaicu.dll on Windows; EXXICU on z/OS and BS2000) is not loadable. The broker kernel will terminate.
Action	Contact Software AG support.

ETBE0555	Program Exception
Explanation	A program exception was detected in Broker. The current request was interrupted with error response 00780777. Further details of the exception will be reported in the broker log.
Action	Contact Software AG support.

ETBE0558	**N00**ETBXXCPT Signal SIGSEGV caught at location 0xA4800658
Explanation	Broker not APF-authorized.
Action	Ensure that all load libraries in the broker kernel steplib are APF-authorized.

ETBE0561	DEFAULTS=TCP section missing
Explanation	TRANSPORT=TCP was specified but the transport-specific section DEFAULTS=TCP is missing.
Action	Define the transport-specific attributes in section DEFAULTS=TCP.

ETBE0562	Failed to start console task
Explanation	The mainframe console task failed to start. The broker kernel will terminate.
Action	Contact Software AG support.

ETBE0564	SSL port numbers not unique
Explanation	You cannot specify the same PORT number twice for the same HOST.
Action	Specify a different PORT number.

ETBE0565	Specify two or none command log file(s)
Explanation	Two command log output files are required for command logging.
Action	Specify two command log output files when starting the broker kernel.

ETBE0568	Max num STACK-NAME entries reached
Explanation	You cannot specify more than five STACK-NAME entries per section.
Action	Reduce number of STACK-NAME entries.

ETBE0570	Invalid IBM LE version
Explanation	EntireX Broker requires z/OS version 1.12 or above.
Action	Contact Software AG support.

ETBE0575	PSI: Set Trace Level failed
Explanation	Unable to set the persistent store-specific trace level.
Action	Contact Software AG support.

ETBE0577	Worker queue allocation failed
Explanation	Broker could not create the queue entries and semaphores to manage the worker tasks.
Action	Contact Software AG support.

ETBE0583	Invalid SAF-ID specified
Explanation	An invalid SAF user ID was specified while attempting to reset a user.
Action	Ensure that SAF user ID is correct.

ETBE0584	Failed to retrieve Security Information
Explanation	Command and Information Services were unable to obtain security information. Security information is only available with EntireX Security.
Action	None. This message is for information purposes only.

ETBE0585	broker attribute ACCOUNTING is not on
Explanation	Command and Information Services were unable to enable or disable accounting because the broker ACCOUNTING attribute is not on.
Action	None. This message is for information purposes only.

ETBE0590	Error in INITIALIZATION exit
Explanation	EntireX Security encountered an error during initialization. Additional error information will describe the problem. The broker kernel will terminate.
Action	Consult the additional error text and take appropriate action or contact Software AG support.

ETBE0594	Variable not expanded
Explanation	A variable in a configuration file (for instance the broker attribute file) cannot be read. could not be expanded. Additional error information will display the variable name.
Action	Consult the additional error text and take appropriate action.

ETBE0596	Error in FINALIZATION exit
Explanation	EntireX Security encountered an error during finalization. Additional error information will describe the problem.
Action	Consult the additional error text and take appropriate action or contact Software AG support.

ETBE0597	Error in INFORMATION exit
Explanation	EntireX Security encountered an error during a Command and Information Services request. Additional error information will describe the problem.
Action	Consult the additional error text and take appropriate action or contact Software AG support.

ETBE0598	Error in COMMAND exit
Explanation	EntireX Security encountered an error during a Command and Information Services request. Additional error information will describe the problem.
Action	Consult the additional error text and take appropriate action or contact Software AG support.

ETBE0599	Macro BIND failed with RC xxxxxxxx for module yyyyyyyy or Macro VSVI1 failed with RC xxxxxxxx for entry point yyyyyyyy
Explanation	An operating system function returned an error.
Action	Please determine the real error by checking the macro return code in the BS2000 documentation. For example, Message "ETBE0599 Macro BIND failed with RC 0C010600 for module BROKBTIA" will be issued if the ETBLIB is not correctly assigned to the load library containing module BROKBTIA.

ETBE0602	Start of TCP/IP Proxy failed
Explanation	The proxy component of the TCP/IP communicator could not be started in order to interact with the partner Broker.
Action	Check the output files for additional error messages issued by the Broker.

ETBE0603	Start of SSL Proxy failed
Explanation	The proxy component of the SSL communicator could not be started in order to interact with the partner Broker.
Action	Check the output files for additional error messages issued by the Broker.

ETBE0611	Failed to open command log file:
Explanation	A command log output file could not be opened. Additional error information will describe the problem. Command logging will be disabled.
Action	Consult the additional error text and take appropriate action or contact Software AG support.

ETBE0612	broker attribute CMDLOG is not on
Explanation	Command and Information Services were unable to enable or disable command logging, switch command log output files or manipulate command log filters because the broker CMDLOG attribute is not on.
Action	None. This message is for information purposes only.

ETBE0619	Pipe error occurred
Explanation	The internal communication of Broker failed due to an operating system error.
Action	Contact Software AG support.

ETBE0620	Heap overflow
Explanation	The internal heap is exceeded.
Action	Increase the HEAP-SIZE and restart Broker.

ETBE0623	No free TCP connection entry
Explanation	The maximum number of TCP/IP connections is derived from the number of available file descriptors. This maximum has been reached.
Action	Increase the number of file descriptors.

ETBE0625	**Cannot allocate thread control block**
Explanation	The number of available thread control blocks is exhausted.
Action	Contact Software AG support.

ETBE0628	**Expect PSTORE=HOT in STANDBY mode**
Explanation	The Standby Broker instance must use `PSTORE=HOT` in order to perform a `PSTORE` takeover if necessary.
Action	Define `PSTORE=HOT` for your Standby Broker.

ETBE0629	**Expect PSTORE=COLD in LOAD mode**
Explanation	The Load Broker (`RUN-MODE=PSTORE-LOAD`) must use `PSTORE=COLD` in order to create a new persistent store.
Action	Define `PSTORE=COLD` for your Load Broker.

ETBE0630	**Expect PSTORE=HOT in UNLOAD mode**
Explanation	The Unload Broker must use `PSTORE=HOT` in order to migrate a persistent store.
Action	Define `PSTORE=HOT` for your Unload Broker.

ETBE0631	**No assignment for PSTORE report**
Explanation	The PSTORE report was requested but there is no assignment to write the actual report data.
Action	The PSTORE report was requested but there is no assignment to write the actual report data.

ETBE0632	**Failed to open accounting file:**
Explanation	The accounting output file could not be opened. Additional error information will describe the problem. Accounting will be disabled.
Action	Consult the additional error text and take appropriate action or contact Software AG support.

ETBE0633	**Failed to write accounting record:**
Explanation	An accounting record could not be written. Additional error information will describe the problem. Accounting will be disabled.
Action	Consult the additional error text and take appropriate action or contact Software AG support.

ETBE0635	**AUTHORIZATION-RULES section missing**
Explanation	Broker-specific attribute SECURITY=YES and Security-specific attributes SECURITY-SYSTEM=OS and SECURITY-LEVEL=AUTHORIZATION have been specified, but the section to define authorization rules is missing.
Action	Add section AUTHORIZATION-RULES in the attribute file.

ETBE0637	**Failed to open PARSER Report file**
Explanation	The PARSER report was requested but the file could not be opened due to a system error.
Action	Fix the error condition reported by the operating system.

ETBE0638	**Failed to open PSTORE report file**
Explanation	The PSTORE report was requested but the file could not be opened due to a system error.
Action	Fix the error condition reported by the operating system.

ETBE0642	**Invalid transport configuration detected**
Explanation	No configured transport mechanism successfully initialized. The broker kernel will terminate.
Action	Consult additional error messages and take appropriate action.

ETBE0643	**Create thread failed. Check region size**
Explanation	z/OS Broker could not create a thread.
Action	Check the subsequent error messages and correct the error. Increase the region size.

ETBE0644	**Memory format inconsistency detected**
Explanation	An internal memory consistency check failed.
Action	Contact Software AG support.

ETBE0651	**Create semaphore failed**
Explanation	Unable to create semaphore.
Action	Contact your System Administrator.

ETBE0653 **No assignment for accounting file**

Explanation Conversation accounting was requested but the file assignment is missing.

Action Specify argument `-c` and the name of the output file to assign the accounting file.

ETBE0654 **Unresolved function pointer**

Explanation The broker dispatcher has failed to start a thread due to a missing address constant.

Action Contact Software AG support.

ETBE0655 **Pool order failure**

Explanation The internal communication path between the task ordering a pool allocation and the task executing the order received an error.

Action Broker log provides more detailed diagnostics about the reason not being able to perform post and wait between Broker threads.

ETBE0656 **Dynamic pool management not enabled**

Explanation Existing memory pool is full. Dynamic pool management is not enabled.

Action Request is rejected due to insufficient resources.

ETBE0659 **No assignment for STORAGE Report**

Explanation Attribute `STORAGE-REPORT=YES` was defined but no report file was assiged.

Action Assign storage report file. Refer to Storage Report for details.

ETBE0660 **Failed to open STORAGE Report file:**

Explanation Unable to open the storage report file. Check system error for details.

Action Fix system error and rerun.

ETBE0664 **Failed to open LICENSE Report file:**

Explanation Under z/OS and BS2000, the license is printed during broker startup. However, the broker was unable to open the license report output file.

Action This error is accompanied with additional error text describing the problem. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0666	**Failed to load License Check routine**
Explanation	Broker was unable to load the license check module.
Action	Check the assignment of the license library and correct the error.

ETBE0670	**Slot size is greater than entire pool**
Explanation	The requested slot size exceeds the total capacity of the memory pool. The request is rejected due to insufficient resources. This error usually occurs if a broker message exceeds the size of the long message buffer.
Action	Define an appropriate size for the memory pool to handle such a large buffer. Make sure that NUM-LONG is at least MAX-MESSAGE-LENGTH / 4096, and NUM-COMBUF is at least MAX-MESSAGE-LENGTH / 16384.

ETBE0671	**Requested allocation exceeds MAX-MEMORY**
Explanation	The allocation of this pool will exceed MAX-MEMORY and is rejected.
Action	Increase MAX-MEMORY or no action if maximum value was defined correctly. See Broker-specific attribute MAX-MEMORY.

ETBE0674	**Invalid memory pool address detected**
Explanation	An inconsistency of memory pool control data was detected.
Action	Contact Software AG support.

ETBE0675	**Unexpected status in buffer header**
Explanation	An inconsistency of memory pool control data was detected.
Action	Contact Software AG support.

ETBE0676	**Invalid slot count in buffer header**
Explanation	An inconsistency of memory pool control data was detected.
Action	Contact Software AG support.

ETBE0679	**c-tree Plus User Error:**
Explanation	An error occurred while performing a persistent store operation.
Action	Depends on the subsequent messages.

ETBE0681	**c-tree database already in use**
Explanation	This error may occur during Broker startup. c-tree detected PSTORE files still being used by a previous Broker instance. These files are being closed during Broker shutdown. However, this problem most likely occurs if the old instance of the Broker did not yet stop completely and the new instance already tried to initialize the PSTORE.
Action	Wait for the previous Broker instance to shut down completely, then start the new Broker instance.

ETBE0682	**PSTORE: Error while reading attributes**
Explanation	The broker cannot start because the PSTORE attribute parser has discovered an error in the attribute file.
Action	Correct the broker attribute file.

ETBE0701	**Failed to load SSL routine**
Explanation	The shared library for SSL could not be loaded.
Action	Check the assignment of the SSL library and correct the error.

ETBE0702	**Failed to load crypto routine**
Explanation	The shared library for CRYPTO could not be loaded.
Action	Check the assignment of the CRYPTO library and correct the error.

ETBE0725	**CONTROL-INTERVAL elapsed - stop Broker**
Explanation	The PSTORE migration delayed due to an unexpected error. The procedure will be stopped.
Action	Check error messages reported in the broker log and fix the problem, then restart the migration procedure, by restarting both Brokers.

ETBE0728	**PSTORE load failed**
Explanation	The PSTORE migration failed due to an error.
Action	Check error messages reported in the broker log and fix the problem, then restart the migration procedure, by restarting both Brokers.

ETBE0737	**PSTORE inconsistency detected**	
Explanation	There was an inconsistency detected while migrating the PSTORE.	
Action	Check error messages reported in the broker log and fix the problem, then restart the migration procedure, by restarting both Brokers.	

ETBE0738	**PSTORE currently in use**	
Explanation	The original Standard Broker was started again but the Standby Broker performed the takeover and is now the new Standard Broker.	
Action	You cannot start the original Standard Broker while Standby Broker is running as the new Standard Broker. The original Standard Broker should be started as the new Standby Broker.	

ETBE0748	**Unrecoverable error during takeover**	
Explanation	An unrecoverable error occurred while taking over the persistent store. The Standby Broker stops.	
Action	Check error messages reported in the broker log and fix the problem.	

ETBE0751	**Takeover sequence failed**	
Explanation	A recoverable error occurred while taking over the persistent store. The Standby Broker will perform another attempt after `CONTROL-INTERVAL` time.	
Action	None.	

ETBE0752	**Max num takeover attempts reached**	
Explanation	`MAX-TAKEOVER-ATTEMPTS` has been reached by the Standby Broker without being able to take over the persistent store. The Standby Broker stops.	
Action	Contact Software AG support.	

ETBE0755	**Request to Partner Broker failed**	
Explanation	Broker was unable to contact the partner Broker.	
Action	Check error messages reported in the broker log and fix the problem.	

ETBE0756	**Partner Broker is dead**	
Explanation	The Standard Broker did not respond to Standby Broker's ping. The Standby Broker will initiate the takeover phase.	
Action	Check error messages reported in the log of the original Standard Broker and fix the problem.	

ETBE0759	**Transport error occurred**
Explanation	Broker detected a transport error while trying to communicate with the partner Broker.
Action	Check error messages reported in both broker logs and fix the problem.

ETBE0760	**PARTNER-CLUSTER-ADDRESS mismatch**
Explanation	The `PARTNER-CLUSTER-ADDRESS` defined in the Standard Broker does not match any of the TCP or SSL transport entries defined in the Standby Broker.
Action	Either adjust `PARTNER-CLUSTER-ADDRESS` in Standard Broker or start Standby Broker with a matching transport entry.

ETBE0761	**PARTNER-CLUSTER-ADDRESS missing**
Explanation	There is no `PARTNER-CLUSTER-ADDRESS` definition in the Standard Broker.
Action	Define `PARTNER-CLUSTER-ADDRESS` in the Standard Broker to allow running a Standby Broker.

ETBE0762	**PSTORE-TYPE mismatch**
Explanation	The persistent store defined in Standard Broker and Standby Broker must be exactly the same.
Action	Adjust the attributes for `PSTORE-TYPE` and the PSTORE-specific sections in each broker attribute file so both Broker instances match.

ETBE0763	**PSTORE-TYPE missing**
Explanation	There is no `PSTORE` defined in the partner Broker instance.
Action	Run the partner Broker with matching persistent store attributes.

ETBE0764	**Same PSTORE for UNLOAD and LOAD**
Explanation	The persistent stores defined in Load Broker and Unload Broker must be different.
Action	Adjust the attributes for `PSTORE-TYPE` and the `PSTORE`-specific sections for both Broker instances. Make sure the Load Broker is assigned to a new persistent store, and your Unload Broker is assigned to the persistent store you wish to unload.

ETBE0771	**DIV section missing**
Explanation	Broker attribute `PSTORE-TYPE=DIV` requires a section `DEFAULTS=DIV` with additional attributes. This section is missing.
Action	Enter section `DEFAULTS=DIV`. See `DEFAULTS=DIV` under *Broker Attributes* in the platform-independent administration documentation

ETBE0772	**ADABAS section missing**
Explanation	Broker attribute `PSTORE-TYPE=ADABAS` requires a section `DEFAULTS=ADABAS` with additional attributes. This section is missing.
Action	Enter section `DEFAULTS=ADABAS`. See `DEFAULTS=ADABAS` under *Broker Attributes* in the platform-independent administration documentation.

ETBE0780	**BROKER ABEND CODE :1: PSW :2:**
Explanation	Broker reports an abnormal termination.
Action	Contact Software AG support.

ETBE0796	**Adabas SVC number must be supplied**
Explanation	Attribute `SVC` was not specified in the `DEFAULTS=ADABAS` section. Adabas PSTORE cannot be reached.
Action	Specify `SVC=`*`svc_number`* used by the Adabas PSTORE database.

ETBE0799	**Invalid internal command ignored**
Explanation	An internal command was received with an unknown command code. This invalid command was ignored.
Action	Contact Software AG support.

ETBE0800	**Broker internal RPC Server: Load failed**
Explanation	A shared library could not be loaded. EntireX Broker detected an error while loading an RPC Command and Information Services shared library.
Action	Contact Software AG support.

ETBE0802	**Broker internal RPC Server: Load failed**
Explanation	A shared library could not be loaded. EntireX Broker detected an internal error while loading a Broker-internal RPC shared library.
Action	Contact Software AG support.

ETBE0803	**WORKER-MIN greater or equal WORKER-MAX**
Explanation	The value of global attribute `WORKER-MIN` is greater than or equal to the value of global attribute `WORKER-MAX`.
Action	Correct the attributes.

ETBE0810	**Failed to open CONFIG Report file:**
Explanation	The `CONFIG` report file could not be opened. Additional error information describes the problem.
Action	Consult the additional error text and take appropriate action.

ETBE0812	**Failed to open `MODULE` report file:**
Explanation	The `MODULE` report file could not be opened. Additional error information describes the problem.
Action	Consult the additional error text and take appropriate action.

ETBE0813	**Cannot start DIV PSTORE handler**
Explanation	EntireX Broker detected that the load libraries are not all APF-authorized in z/OS. The DIV PSTORE handler cannot be started.
Action	Ensure that all the data sets referenced by the `STEPLIB` DD statement have been APF-authorized in z/OS. Check the spelling of the data set names for accuracy. Correct any error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0814	**Transport RETRY-LIMIT exceeded**
Explanation	It was not possible to establish a new connection (or reestablish an existing connection after an interruption) for transport method TCP, SSL or NET. The connection was attempted as often as specified under `RETRY-LIMIT` (with a wait between attempts as specified under `RETRY-TIME`), but without success.
Action	Check for the correct settings and availability of the appropriate transport.

ETBE0826	**Create thread failed**
Explanation	Broker could not create a thread.
Action	Check the subsequent error messages and correct the error.

ETBE0830	**Invalid transport ID**
Explanation	The transport ID in the specified CIS command does not match any configured transport in the Broker.
Action	Check the Broker log file and correct the CIS command.

ETBE0831	Communicator not available
Explanation	The CIS command could not be executed by the Broker communicator.
Action	Check the subsequent error messages and correct the error.

ETBE0839	ACI-CONVERSION failed, using translation
Explanation	Conversion of the ACI request and response string failed. Therefore a fallback to `TRANSLATION` is used.
	Note: This message is not related to payload conversions, configured with broker attribute `CONVERSION`.
Action	This is an informational message. Use attribute `ACI-CONVERSION` to translate ACI requests and responses with an internal translation table without support of national characters.

ETBE0840	PSTORE-VERSION 4 or above required
Explanation	If `PSTORE-TYPE=DIV` is specified but `PSTORE-VERSION` is not set to "4", the z/OS broker will stop. A cold start is required when changing to a higher `PSTORE-VERSION`. See *Implementing a DIV Persistent Store* under *Managing the Broker Persistent Store* under *Managing the Broker Persistent Store* in the z/OS Administration documentation and `PSTORE=COLD` under *Broker Attributes*.
Action	Specify `PSTORE-VERSION=4` in the broker attribute file. The default value is 2.

ETBE0841	Module ETBMISC cannot be loaded
Explanation	This message is issued when the module `ETBMISC` cannot be loaded. The libraries were not assigned correctly. The Broker terminates abnormally with User Abend 841.
Action	Assign the libraries correctly.

ETBE0842	Requested function not found in ETBMISC
Explanation	This message is issued if module `ETBMISC` cannot localize the requested program function. The Broker terminates abnormally with User Abend 842.
Action	Contact Software AG support.

ETBE0844	PSTORE: Wrong master record
Explanation	UOW master record missing when reading UOW from Adabas PSTORE database. Indicates a corrupted or inconsistent Adabas PSTORE database.
Action	Running with `PSTORE=COLD` and `FORCE-COLD=YES` fixes the problem by resetting the PSTORE database. Contact Software AG support if the recommended fix is not an option for your situation.

ETBE0850	Cannot obtain TSN of main task
Explanation	The SDF variable `MAIN-TASK-TSN` is not set at all.
Action	The Broker cannot start. Contact Software AG support.

ETBE0851	Unable to initialize subtask
Explanation	The subtask was unable to attach to the global shared memory.
Action	This error is accompanied by an additional error text describing the problem. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

ETBE0860	APPLICATION-MONITORING section missing
Explanation	Application monitoring was requested but the section `DEFAULTS=APPLICATION-MONITORING` is missing.
Action	Add section `DEFAULTS=APPLICATION-MONITORING` to the Broker attribute file. See `DEFAULTS=APPLICATION-MONITORING` under *Broker Attributes* in the platform-independent administration documentation.

ETBE0863	ATTR COLLECTOR-BROKER-ID not specified
Explanation	Application Monitoring cannot be activated due to the missing `COLLECTOR-BROKER-ID`.
Action	Define the `COLLECTOR-BROKER-ID` and retry. See `SET-COLLECTOR` under *Broker Command and Information Services* in the EntireX Broker documentation and `COLLECTOR=host:port` under *Operator Commands* in the z/OS Administration documentation.

ETBE0865	APPMON: Missing extended receive-buffer
Explanation	An internal error occurred while processing application monitoring data.
Action	Rerun the application and turn on stub log level 4. Contact Software AG support and provide the stub log.

ETBE0907	Rebuild server UOW. Missing client data
Explanation	Broker cannot restore a unit of work due to incomplete data.
Action	Contact Software AG support.

ETBE0909	**LOCK RECURSION DETECTED**
Explanation	Broker tested the mutex lock handling. It was possible to lock a resource which was already locked.
Action	Contact Software AG support.

ETBE0910	**PSTORE: UOW already exists**
Explanation	The broker tried to store a unit-of-work, but the UOW already exists in the PSTORE database.
Action	Examine the broker log file for more information and contact Software AG support.

ETBE0915	**Max %d connections reached**
Explanation	The maximum number of connections has been reached.
Action	Do not start any new applications as long as the bottleneck is present.

ETBE0927	**Invalid USRSEC interface version**
Explanation	The version of the interface to the security exit is out of range.
Action	Correct the security exit.

ETBE0928	**SERVER-CLASS incorrectly specified**
Explanation	The `CLASS` attribute in `DEFAULTS=AUTHORIZATION-RULES` was specified incorrectly.
Action	Enter a valid `CLASS` attribute. See `CLASS` under *Broker Attributes*.

ETBE0929	**No storage for RULE-TRIPLET entry**
Explanation	There is not enough heap storage to save `AUTHORIZATION-RULES` entries.
Action	Change the runtime settings to increase the size of the runtime heap.

ETBE0930	**No storage for RULE-TRIPLET vector**
Explanation	There is not enough heap storage to save `AUTHORIZATION-RULES` vectors.
Action	Change the runtime settings to increase the size of the runtime heap.

ETBE0931	**Wrong length for RULE-TRIPLET vector**
Explanation	The vector length is invalid.
Action	Set `TRACE-LEVEL=4` and rerun Broker. Contact Software AG support and provide the log file.

ETBE0932	**No reallocation of RULE-TRIPLET vector**
Explanation	There is not enough heap storage to reallocate `AUTHORIZATION-RULES` vectors.
Action	Change the runtime settings to increase the size of the runtime heap.

ETBE0933	**No storage for RULE-NAME entry**
Explanation	There is not enough heap storage to save `AUTHORIZATION-RULES` entries.
Action	Change the runtime settings to increase the size of the runtime heap.

ETBE0934	**No storage for RULE-NAME vector**
Explanation	There is not enough heap storage to save `AUTHORIZATION-RULES` vectors.
Action	Change the runtime settings to increase the size of the runtime heap.

ETBE0935	**Wrong length for RULE-NAME vector**
Explanation	The vector length is invalid.
Action	Set `TRACE-LEVEL=4` and rerun Broker. Contact Software AG support and provide the log file.

ETBE0936	**No reallocation of RULE-NAME vector**
Explanation	There is not enough heap storage to reallocate `AUTHORIZATION-RULES` vectors.
Action	Change the runtime settings to increase the size of the runtime heap.

ETBE0937	**No memory for RULE-NAME value**
Explanation	There is not enough heap storage to copy `AUTHORIZATION-RULES` values.
Action	Change the runtime settings to increase the size of the runtime heap.

ETBE0938	**SERVER-NAME incorrectly specified**
Explanation	The `SERVER` attribute in `DEFAULTS=AUTHORIZATION-RULES` was specified incorrectly.
Action	Enter a valid `SERVER` attribute. See `SERVER` under *Broker Attributes*.

ETBE0939	**SERVICE incorrectly specified**
Explanation	The `SERVICE` attribute in `DEFAULTS=AUTHORIZATION-RULES` was specified incorrectly.
Action	Enter a valid `SERVICE` attribute. See `SERVICE` under *Broker Attributes*.

ETBE0945	Attribute change: Cannot create Reader
Explanation	An internal error occurred during the creation of the reader object. The change of an attribute in the attribute file is cancelled.
Action	Set `TRACE-LEVEL=4` and rerun Broker. Contact Software AG support and provide the log file.

ETBE0946	Attribute change: Cannot create Writer
Explanation	An error occurred while opening the attribute file for write.
Action	Fix the error condition reported by the operating system.

ETBE0948	Failed to open TASK Report file:
Explanation	The TASK report was requested but the file could not be opened due to a system error.
Action	Fix the error condition reported by the operating system.

ETBE0951	Cannot write TASK.REPORT - still in use
Explanation	The TASK report file is still in use by a running process. This instance of Broker is already running.
Action	None.

ETBE0953	Error in CERT UID exit
Explanation	An error occurred when obtaining the user ID for a certificate.
Action	Check the contents of the certificate and the RACF definitions.

64 Message Class ETBM - Broker Log and Console -

Informational Messages

This page explains informational messages from the EntireX Broker Log and Console. These messages have the format:

ETBM*nnnn*

where ETBM is the message class, and

    nnnn   is the message number in the range 0000-9999

ETBM0020	**Failed to inform Attach Manager**
Explanation	An Attach Manager is registered for this service, but could not be instructed to start a new replica. This might happen occasionally due to synchronization problems.
Action	If this error happens only rarely, do not worry about it. If it happens more often, or even prevents your automatic startup system from working correctly, contact Software AG support.

ETBM0068	**Parameter processing successful**
Explanation	During broker startup, configuration file parameters have been successfully processed for the correct syntax.
Action	None. This message is for information purposes only.

ETBM0079	**Loading kernel security module**
Explanation	During startup, the broker kernel loads the kernel security module.

■ If the USRSEC module was not loaded successfully, the following output is displayed:

ETBD0286 Diagnostic Values:

■ ErrorText: The specified module could not be found.

■ ExitName: usrsec.[dll | so | sh]

■ EntryPoint: usrsec

Action	None. This message is for information purposes only.

ETBM0071	**NUM-SHORT-BUFFER available again**
Explanation	The shortage for `NUM-SHORT-BUFFER` is solved. Short buffers are available again.
Action	None.

ETBM0100	**SAG EntireX Broker**
Explanation	This message is issued at broker startup time.
Action	None. This message is for information purposes only.

ETBM0101	**Broker Initializing**
Explanation	The Broker startup procedure has begun.
Action	None. This message is for information purposes only.

ETBM0102	**Broker Attributes Reading**
Explanation	During startup, the Broker is reading the resource definitions in the `DEFAULTS=BROKER` section of the attribute file.
Action	None. This message is for information purposes only.

ETBM0103	**Allocating KERNEL POOL**
Explanation	During startup, the Broker read the attribute file correctly and is now obtaining storage for the resources as defined in the `DEFAULTS=BROKER` section of the file.
Action	None. This message is for information purposes only.

ETBM0104	**Initializing Structures**
Explanation	During startup, the Broker has read the attribute file correctly and obtained the storage needed from the operating system. The Broker is now initializing the internal structures.
Action	None. This message is for information purposes only.

ETBM0107	**Broker Stopped**
Explanation	EntireX Broker has shut down, either by shutdown request from the console operator or by an abnormal end.
Action	None. This message is for information purposes only.

ETBM0109	**Starting Worker Tasks**
Explanation	During startup, the Broker has read the attribute file, obtained the storage needed from the operating system, initialized the internal structures, entered the dispatcher and started the COM task correctly. This message is issued before any worker task is started.
Action	None. This message is for information purposes only.

ETBM0111	**Starting Timeout Manager**
Explanation	During startup, the Broker has read the attribute file, obtained the storage needed from the operating system, initialized the internal structures, entered the dispatcher and started the COM task and at least one worker task correctly. This message is issued before the TOM task is started.
Action	None. This message is for information purposes only.

ETBM0113	**Starting Common Output Manager**
Explanation	During startup, the Broker has read the attribute file, obtained the storage needed from the operating system, initialized the internal structures, entered the dispatcher and started the COM task and at least one worker task correctly. This message is issued before the COM task is started.
Action	None. This message is for information purposes only.

ETBM0119	**Receive Task started**
Explanation	During Broker startup, a Receive Task for lightweight or compatibility communication has started successfully. This message is issued for every Receive Task.
Action	None. This message is for information purposes only.

ETBM0121	Common Output Manager stopped
Explanation	The COM task has detected a shutdown request for EntireX Broker. The COM task will shut down immediately.
Action	None. This message is for information purposes only.

ETBM0123	Timeout Manager Stopped
Explanation	The TOM task has detected a shutdown request for EntireX Broker. The TOM task will shut down immediately.
Action	This message is informational only.

ETBM0127	Receive Task stopped
Explanation	A Receive task has detected the shutdown request and will stop soon. This message is issued from every Receive task.
Action	None. This message is for information purposes only.

ETBM0129	Not enough space for Reply buffer
Explanation	The EntireX Broker buffer manager could not allocate enough memory for the Reply buffer. The value of startup parameter `NUM-COMBUF` is responsible for the maximum buffer size.
Action	Try the call again later. Increase the value `NUM-COMBUF` if the error occurs frequently.

ETBM0136	Common Output Manager started
Explanation	The Broker COM task has started successfully.
Action	None. This message is for information purposes only.

ETBM0137	Timeout Manager Started
Explanation	The Broker TOM task has started successfully.
Action	None. This message is for information purposes only.

ETBM0139	Worker Task Started
Explanation	This message is issued for each worker task that is started successfully.
Action	None. This message is for information purposes only.

ETBM0140   **Waiting for Timeout Manager - started**

Explanation   Worker task is starting to wait for Timeout Manager to finish processing the current working set.

Action   None.

ETBM0141   **Waiting for Timeout Manager - stopped**

Explanation   Worker task continues after stop waiting for Timeout Manager.

Action   None.

ETBM0144   **Worker Task Stopped**

Explanation   A worker task has detected the shutdown request for EntireX Broker and will stop soon. This message is issued from every worker task.

Action   None. This message is for information purposes only.

ETBM0160   **Broker Version vrsnn Initialized**

Explanation   The EntireX Broker engine has received "Ready for work" from the Dispatcher and the Dispatcher is active. Notation *vrsnn* represents the version, release, SM and patch level (for example 61102 if patch 2 is installed).

Action   None. This message is for information purposes only.

ETBM0162   **:<1>:<2>:<3>:<4>:<5>:<6>:<7>**

Explanation   During broker startup, this message shows specific module maintenance information (<1> module name, <2> date, <3> time, <4> version maintenance level, <5> entry point, <6> length, <7> load point).

Action   None. This message is for information purposes only.

ETBM0173   **EntireX Broker initialization finished**

Explanation   All tasks and resources of EntireX Broker are established. The main process waits until the activated processes are finished.

Action   None. This message is for information purposes only.

ETBM0176   **Nucleus has finished initialization**

Explanation   The Communicator nucleus has established all processes and resources for the Communicator instances (Receive and Reply tasks).The nucleus returns to the EntireX Broker main task successfully.

Action   None. This message is for information purposes only.

ETBM0177	**Starting Reply Task**
Explanation	The Communicator nucleus is creating the Reply process. The Reply task is needed to return data from EntireX Broker to the user.
Action	None. This message is for information purposes only.

ETBM0178	**Starting Receive Task**
Explanation	The Communicator nucleus is creating the Receive process. The Receive task is needed to get data from the user and send it to EntireX Broker.
Action	None. This message is for information purposes only.

ETBM0179	**Broker Stopping As Requested**
Explanation	The EntireX Broker dispatcher has detected a shutdown request and will initiate Broker shutdown immediately by informing all worker tasks and the COM task to terminate. Only calls to the Broker that have already been dispatched to the worker tasks will be completed. New calls to the Broker or calls in the Broker input queue will not be processed.
Action	None. This message is for information purposes only.

ETBM0222	**Command from Administrator accepted**
Explanation	The Broker kernel has received a valid command. The command is logged for statistical purposes.
Action	None.

ETBM0235	**SHUTDOWN flagged, go down now**
Explanation	Shutdown has been requested and the associated indication has been detected.
Action	None.

ETBM0290	**Reply Task started**
Explanation	During Broker startup, a Reply task for lightweight or compatibility communication has started successfully. This message is issued for each Reply task started.
Action	None. This message is for information purposes only.

ETBM0291	Reply Task stopped
Explanation	A Reply task has finished its work. This message is issued from every reply task.
Action	None. This message is for information purposes only.

ETBM0339	License will expire in :1: days
Explanation	The Broker is running with an emergency license key. The license expires in :1: days and Broker will stop.
Action	Get a valid license file.

ETBM0340	Emergency license key in use
Explanation	The Broker is running with an emergency license key.
Action	Get a valid license file.

ETBM0342	ICU data directory not configured
Explanation	Broker checks ICU-related attribute settings. A directory for ICU custom converters was not specified. See attributes `ICU-DATA-DIRECTORY` and `ICU-SET-DATA-DIRECTORY`.
Action	No action required.

ETBM0344	Service MAX-UOWS exceeds Broker MAX-UOWS
Explanation	The value of the `MAX-UOWS` setting for the server exceeds the value of the `MAX-UOWS` setting for the Broker.
Action	None. This message is for information purposes only. The server's `MAX-UOWS` value will be reset automatically to the `MAX-UOWS` value for the Broker.

ETBM0352	EntireX License is Perpetual
Explanation	The EntireX license will never expire.
Action	None. This message is for information purposes only.

ETBM0355	Preceding License Key Errors are ignored
Explanation	On BS2000 and z/OS, the license check has detected errors. However, these errors will be ignored. Subsequent product-specific license checks may cause a Broker shutdown.
Action	None. This message is for information purposes only.

ETBM0359	Module EXXLIC used as License Key
Explanation	License module EXXLIC is used for the license check.
Action	None.

ETBM0360	License file used as License Key
Explanation	The license file is used for the license check.
Action	None.

ETBM0391	ICU Initialization failed
Explanation	Broker was unable to initialize the ICU converter.
Action	None.

ETBM0410	X-COM Communicator stopped
Explanation	The XCOM Communicator could not be started.
Action	See the previous error message in the log and correct this problem.

ETBM0428	Windows delayload error
Explanation	A required library is missing or invalid.
Action	A subsequent error message will provide more information.

ETBM0432	Obsolete attribute
Explanation	A configuration file (for instance the Broker attribute file) contains an attribute which is no longer supported.
Action	Edit the configuration file to either delete the obsolete attribute or comment out the attribute.

ETBM0433	Attribute invalid on this platform
Explanation	Broker attribute file contains an attribute that is not valid on this platform.
Action	Edit the attribute file to either delete or comment out the invalid attribute.

ETBM0440	New PSTORE in use
Explanation	`PSTORE=COLD` was recognized. Broker will initialize the new persistent store.
Action	None.

ETBM0456	**Accounting file did not open; set to off**
Explanation	There was an error in creating a file to write accounting records. Accounting will be disabled and broker will continue to initialize.
Action	Check broker log file for more details.

ETBM0458	**Opening accounting file**
Explanation	Broker has successfully created/opened the accounting file. Name of the accounting file follows this message.

ETBM0464	**PSTORE framework ready**
Explanation	The persistent store framework was successfully initialized.
Action	None.

ETBM0465	**RESTART: Sequential OPEN completed**
Explanation	The persistent store was successfully opened for restore processing.
Action	None.

ETBM0466	**RESTART: a group of 1000 UOWs restored**
Explanation	Broker reports the progress of the restore procedure in steps of 1,000 units of work. Another 1,000 units of work have been successfully restored.
Action	None.

ETBM0467	**Initialize PSTORE framework**
Explanation	The persistent store framework will be initialized now.
Action	None.

ETBM0473	**Internal service ignored**
Explanation	Broker detected an entry corresponding to a reserved internal service name in the broker attribute file.
Action	Remove the offending service definition from the attribute file.

ETBM0498	**Invalid Adabas Command Rejected**
Explanation	The receiver task of the NET transport detected an unsupported Adabas command. This command will be rejected with error response 02150022. See Adabas Messages and Codes for response code 22. The Adabas client used the database ID of EntireX by mistake.
Action	No action necessary.

ETBM0499	**Wrong Adabas File Number Rejected**
Explanation	The receiver task of the NET transport detected a wrong Adabas file number in the Adabas control block. This command will be rejected with error response 02150017. See Adabas Messages and Codes for response code 17. The Adabas client used the database ID of EntireX and a wrong file number by mistake.
Action	No action necessary.

ETBM0500	**Transport Ready for Communications**
Explanation	The Transport layer initialized properly and is ready for communications. All supported transports will issue this message on success.
Action	Informational message only.

ETBM0507	**Communicator Started**
Explanation	The Communicator of the Transport layer is started. All supported transports will issue this message on startup.
Action	Informational message only.

ETBM0508	**Communicator Stopped**
Explanation	The Communicator of the Transport layer is stopped. All supported transports will issue this message before termination.
Action	Check the log file for error messages. Ignore this message if shutdown was requested.

ETBM0510	**IPV4 socket active. IPV6 not in use**
Explanation	The listen socket was established for IPV4.
Action	None.

ETBM0511	IPV4/IPV6 socket active
Explanation	The listen socket(s) were established for IPV4 and for IPV6.
Action	None.

ETBM0513	IPV6 socket active. IPV4 not in use
Explanation	The listen socket was established for IPV6.
Action	None.

ETBM0515	Transport Restart Possible
Explanation	The Communication Manager detected the termination of the Communicator. According to the transport-specific response code, it is possible to restart this transport layer again, but it might be forbidden due to the transport-specific attribute file definitions.
Action	Informational message only.

ETBM0516	Transport Restart Permitted
Explanation	The Communication Manager detected the termination of the Communicator. According to the transport-specific attribute file definitions, it is permitted to run the restart section of the Communication Manager to try to reestablish this specific transport layer.
Action	Informational message only.

ETBM0527	OP-CMD CHANGE_LOG_LEVEL Received
Explanation	The operator command interface echoes the incoming command request.
Action	Informational message only.

ETBM0528	OP-CMD PING Received
Explanation	The operator command interface echoes the incoming command request.
Action	Informational message only.

ETBM0529	OP-CMD SHUTDOWN Received
Explanation	The operator command interface echoes the incoming command request. EntireX will shutdown.
Action	Informational message only.

ETBM0545	**EntireX License Status License expiration date is yyyy/mm/dd . License will expire in nn days - or - License expired on yyyy/mm/dd**
Explanation	Indicates the expiration date of your EntireX license. If the expiration date is less than 30 days in the future but greater than 0, you are reminded to contact Software AG. If the license has expired, you will not be able to restart.
Action	Please contact your local Software AG office or distributor to extend your license.

ETBM0559	**Broker locks:**
Explanation	This is the output of Broker for operator command `DISPLAY,LOCKS`.
Action	None.

ETBM0576	**Broker tasks:**
Explanation	This is the output of Broker for operator command `DISPLAY,TASK`.
Action	None.

ETBM0578	**Reset ACEE for SAF-ID ..**
Explanation	Operator command `RESET` has been issued to reset the security context for the specified user ID :1:. The command has been successfully performed.
Action	None.

ETBM0579	**Security statistics**
Explanation	Operator command `DSECSTAT` has been issued to display the Security statistics providing the number of successful and failed Security authentications and Security authorizations. The command has been successfully performed.
Action	None.

ETBM0580	**Broker statistics**
Explanation	Operator command `DSTAT` has been issued to display the EntireX Broker statistics providing the total number, the number of active elements, and an optional high watermark for services, clients, servers, conversations and message buffers. The command has been successfully performed.
Action	None.

ETBM0581	**Broker resource usage**
Explanation	Operator command `DRES` has been issued to display the broker's resource usage for conversations, message buffers, participants, services, topics, the timeout queue, units of work, and the work queue. Usage provides the total number, the number of free elements, and the number of used elements. The command has been successfully performed.
Action	None.

ETBM0582	**Function completed**
Explanation	Indicates the end of the console output.
Action	None.

ETBM0592	**Redundant attribute is ignored**
Explanation	Since transport-specific sections have been introduced, the global attribute is considered redundant information. This message provides details of the attribute processing.
Action	Delete the reported global attribute. It is no longer necessary.

ETBM0593	**Attribute will be retired**
Explanation	Since transport-specific sections have been introduced, the global attribute is no longer necessary. The transport-specific attribute should be used instead.
Action	Delete the reported global attribute and specify the transport-specific attribute instead.

ETBM0600	**Transport Proxy started**
Explanation	The transport proxy has been successfully started.
Action	None.

ETBM0601	**Transport Proxy stopped**
Explanation	The transport proxy has been stopped.
Action	None.

ETBM0608	**Command log file opened:**
Explanation	The specified command log output file has been opened.
Action	None. This message is for information purposes only.

ETBM0609	**Command log file closed:**
Explanation	The specified command log output file has been closed.
Action	None. This message is for information purposes only.

ETBM0641	**EntireX License Data**
Explanation	EntireX licensing data is displayed.
Action	None.

ETBM0645	**License check completed**
Explanation	The license check has been finished without detecting an error.
Action	None. This message is for information purposes only.

ETBM0657	**Broker pool usage:**
Explanation	This message provides the response to operator command `DPOOL`.
Action	No action required.

ETBM0667	**<various messages generated by the operator command interface>**
Explanation	The operator issued a command that returns some messages.
Action	None.

ETBM0680	**Retry allocation with emergency setting**
Explanation	Broker was unable to create the initial set of memory pools with the existing configuration and will attempt to repeat with an emergency configuration.
Action	No action required.

ETBM0716	**Dynamic Worker Management enabled**
Explanation	Broker has enabled the Dynamic Worker Management.
Action	None.

ETBM0717	**Dynamic Worker Management disabled**
Explanation	Broker has disabled the Dynamic Worker Management.
Action	None.

ETBM0720	**Operator typed in: :1:**
Explanation	Broker received command :1: from the operator console.
Action	None.

ETBM0729	**PSTORE load finished successfully**
Explanation	The Load Broker finished the PSTORE migration successfully.
Action	None.

ETBM0730	**PSTORE unload finished successfully**
Explanation	The Unload Broker finished the PSTORE migration successfully.
Action	None.

ETBM0731	**PSTORE unload started**
Explanation	The Unload Broker started the PSTORE migration.
Action	None.

ETBM0732	**PSTORE unload stopped**
Explanation	The Unload Broker stopped the PSTORE migration.
Action	None.

ETBM0733	**PSTORE load started**
Explanation	The Load Broker started the PSTORE migration.
Action	None.

ETBM0734	**PSTORE load stopped**
Explanation	The Load Broker stopped the PSTORE migration.
Action	None.

ETBM0742	**Broker running in ADMIN mode**
Explanation	The broker is running in `RUN-MODE=ADMIN`.
Action	None.

ETBM0743	Broker running in STANDARD mode
Explanation	The broker is running in RUN-MODE=STANDARD. This is the default mode.
Action	None.

ETBM0744	Broker running in STANDBY mode
Explanation	The broker is running in RUN-MODE=STANDBY.
Action	None.

ETBM0745	Change PSTORE-VERSION or set PSTORE=COLD
Explanation	The value of PSTORE-VERSION does not match the version of PSTORE.
Action	Change the value of PSTORE-VERSION to the effective version or rerun Broker with PSTORE=COLD. See PSTORE and PSTORE-VERSION under *Broker Attributes*.

ETBM0746	Broker running in PSTORE-LOAD mode
Explanation	The broker is running in RUN-MODE=PSTORE-LOAD.
Action	None.

ETBM0747	Broker running in PSTORE-UNLOAD mode
Explanation	The broker is running in RUN-MODE=PSTORE-UNLOAD.
Action	None.

ETBM0749	Takeover sequence finished successfully
Explanation	The Standby Broker successfully performed the takeover sequence. It will change to RUN-MODE=STANDARD.
Action	None.

ETBM0750	Broker ready for communications
Explanation	Broker is ready.
Action	None.

ETBM0753	Check status of partner Broker
Explanation	Standby Broker will check the status of the Standard Broker.
Action	None.

ETBM0754	**Partner Broker is alive**
Explanation	Standby Broker was checking the status of the Standard Broker. The Standard Broker responded to Standby Broker's request. Standard Broker is up and running.
Action	None.

ETBM0757	**Takeover sequence started**
Explanation	The Standby Broker is starting the takeover sequence to restore the persistent store data of the Standard Broker in its own address space.
Action	None.

ETBM0758	**Takeover sequence stopped**
Explanation	The Standby Broker is stopping the takeover sequence.
Action	None.

ETBM0793	**:1:**
Explanation	This is the output of operator command `DISPLAY,APPMON`.
Action	None.

ETBM0794	**:1:**
Explanation	This is the output of operator command `DISPLAY,SIZES`.
Action	None.

ETBM0795	**Number of requests: :1:**
Explanation	This is the output of operator command `DISPLAY,REQ`.
Action	None.

ETBM0804	**:1: TRACE-LEVEL changed to :2:**
Explanation	The value of attribute `TRACE-LEVEL` was changed to :2: for component :1: by operator command.
Action	None.

ETBM0805	**TRAP-ERROR changed**
Explanation	The value of attribute `TRAP-ERROR` was changed by operator command.
Action	None.

ETBM0900	**ARF SINGLE-CONV-MODE %s/%s/%s**
Explanation	Adabas Replication Services issued command `SINGLE-CONVERSATION-MODE` to turn on the single conversation mode in Broker.
Action	None.

ETBM0902	**MAIN THREAD INITIALIZED**
Explanation	The Broker successfully initialized the main thread.
Action	None.

ETBM0903	**Autodetect ARF %s/%s/%s SINGLE-CONV-MODE**
Explanation	Broker detected an ARF instance working in `SINGLE-CONV-MODE` without setting it explicitly. `SINGLE-CONV-MODE` will be automatically turned on.
Action	No action required.

ETBM0913	**Issue shortage Msg on :1: connections**
Explanation	EntireX broker will issue a message if :1: file descriptors are in use. Broker determines the number of available file descriptors during startup. Attribute `PERCENTAGE-FOR-CONNECTION-SHORTAGE-MESSAGE` defines the percentage of a high watermark. Broker writes this message to the log to inform about this high watermark.

Broker writes warning ETBW0916 to the log (and to the console on z/OS, z/VSE and BS2000) when this high watermark has been reached. It is still possible to establish new TCP/IP connections, but there is a risk of running out of available file descriptors. No new TCP/IP connection can be established if the maximum has been reached. |
| Action | None. This message is for information purposes only. |

ETBM0914	**Max %d connections possible**
Explanation	This message informs you about the maximum number of possible connections.
Action	None.

ETBM0925	**Timeout Manager cleanup started**
Explanation	The Timeout Manager starts to clean up resources that became obsolete.
Action	None.

ETBM0926	**Timeout Manager cleanup stopped**
Explanation	The Timeout Manager stopped cleaning up resources that became obsolete.
Action	None.

ETBM0944	**Attribute change: %s=%s**
Explanation	The change of a Broker attribute was requested. It will be modified in core and in the attribute file.
Action	None.

ETBM0950	**Enable ETBCOM to manage trace data**
Explanation	The ETBCOM task will be started due to attributes `TRMODE=WRAP` or `TRACE-FILE-SIZE`. See `TRMODE` and `TRACE-FILE-SIZE` under *Broker Attributes*.
Action	None.

65 Message Class ETBW - Broker Log and Console - Unit of Work/Persistence Messages

This page explains unit of work and persistence messages from the EntireX Broker Log and Console. These messages have the format:

ETBWnnnn

where ETBW is the message class, and

  nnnn   is the message number in the range 0000-9999

ETBW0138	**PSI: Maximum Extents used for Cell Pool**
Explanation	The Broker detected that the persistent store has no more cells available for cell pool xxxxxxxx (see diagnostic message ETBD0286 next to additional info for the name of the cell pool) and the maximum number of extents have been reached.
Action	Review the persistent store startup parameters and increase the initial allocation value for the exhausted cell pool. For the new value to take effect, you must cold start the persistent store and restart the Broker.

ETBW0145	**PSI: Attempt to expand beyond Dataspace Boundary**
Explanation	The Broker attempted to expand the persistent store beyond the dataspace boundary.
Action	Review the persistent store startup parameter for dataspace pages and increase accordingly to an appropriate value. Restart the Broker.

ETBW0313	Broker RESTART failed
Explanation	During broker startup, an error has been detected during the restart processing phase.
Action	Examine the EntireX Broker log. Determine the cause of the error. Correct the error and restart the Broker. If the cause cannot be determined, contact Software AG support.

ETBW0314	API: UOW status invalid
Explanation	The unit of work status code is not a recognized value.
Action	This is probably an internal EntireX Broker error. Contact Software AG support.

ETBW0317	PSI: Persistent Store termination failed
Explanation	An attempt to shut down the persistent store failed.
Action	None.

ETBW0318	PSI: Function input parms invalid
Explanation	The requested persistent store function is not supported by the PSTORE handler. The request is ignored.
Action	Contact Software AG support.

ETBW0330	PSI: Restart-Temp Msg File Open Failed
Explanation	This is an internal error.
Action	Contact Software AG support.

ETBW0331	PSI: Restart-Temp Msg IDX Open Failed
Explanation	This is an internal error.
Action	Contact Software AG support.

ETBW0332	PSI: Restart-Msg Index Length Zero
Explanation	This is an internal error.
Action	Contact Software AG support.

ETBW0333	PSI: Restart-Msg File Read Failure
Explanation	This is an internal error.
Action	Contact Software AG support.

ETBW0334	**PSI: Restart-Temp Msg File Write Failure**
Explanation	This is an internal error.
Action	Contact Software AG support.

ETBW0354	**EntireX License Key Error**
Explanation	Your EntireX License has expired.
Action	Please contact your local Software AG office or distributor to extend your license.

ETBW0426	**Start of ETB_SHUTDOWN thread failed**
Explanation	UNIX/Windows only. The "etbnuc" process encountered an error while creating shutdown thread. Broker could not be initialized.
Action	Contact Software AG support.

ETBW0506	**** Communicator not available anymore ****
Explanation	The Communication Manager of the transport layer stops due to unrecoverable errors, exceeded retry limit or shutdown.
Action	Check the log file for error messages. Ignore this warning if shutdown was requested.

ETBW0517	**Terminate Restart Handling**
Explanation	The Communication Manager did not succeed in running the transport-specific Communicator. All attempts to restart the Communicator were not successful.
Action	Check the log file for error messages.

ETBW0521	**Unexpected Communicator Nucleus Status**
Explanation	A component of the transport layer detected an unexpected status and will stop immediately.
Action	Check the log file for error messages or shutdown.

ETBW0526	**Broker kernel not running with Security**
Explanation	An operator command was issued that interacts with Broker's security component. However, security was not activated for this Broker.
Action	Do not issue security relevant operator commands without activating security.

ETBW0537	**Ambiguous: CONVERSION and TRANSLATION**
Explanation	Broker detected that attributes of the indicated service specify both `TRANSLATION` and `CONVERSION` parameters. Broker ignores the `TRANSLATION` parameter and continues with initialization.
Action	For a full migration from `TRANSLATION` to `CONVERSION`, edit the Broker attribute file and delete the line containing `TRANSLATION=` for this service in `DEFAULTS=SERVICE`.

ETBW0595	**This PSTORE-TYPE is not supported**
Explanation	This `PSTORE-TYPE` is not supported on this operating system.
Action	Enter valid `PSTORE-TYPE` in the Broker attribute file. See `PSTORE-TYPE` under *Broker Attributes*.

ETBW0607	**Command logging switched off**
Explanation	Command logging was requested. However, it is not possible to switch on command logging due to configuration errors.
Action	Fix the problem and switch on command logging.

ETBW0616	**CPU limit reached**
Explanation	The CPU time of the task is exceeded. Broker received the interrupt from the operating system and will go down.
Action	Specify a `TIME=1440` parameter for the JCL `EXEC` statement of the Broker to run Broker without CPU limit.

ETBW0618	**Transport not active**
Explanation	The transport-specific operator command cannot be executed. The transport is currently not active.
Action	Issue the operator command when the transport is active.

ETBW0636	**No assignment for PARSER Report**
Explanation	The PARSER report was requested but the file assignment is missing.
Action	Specify DD name `ETBAREP` to assign the PARSER report file.

ETBW0640	**EntireX License Key Warning**
Explanation	A warning occurred while processing the EntireX License file. Additional error test will provide more information.
Action	Consult the additional error text and take appropriate action.

ETBW0663	**No assignment for LICENSE Report**
Explanation	Under z/OS and BS2000, the license is printed during startup. However, the assignment for the license report output file is missing.
Action	Assign the license report output file.

ETBW0684	**Cannot make Broker non-swappable**
Explanation	Broker not APF-authorized.
Action	Ensure that all load libraries in the Broker kernel steplib are APF-authorized.

ETBW0686	**Requested service(s) not found**
Explanation	Shutdown service failed. The service was not used by servers.
Action	None.

ETBW0786	**CONVERSION=SAGTRPC ignored. CONVERSION=SAGTCHA used.**
Explanation	An incorrect character conversion configuration for a broker service (`CLASS`, `SERVER` and `SERVICE`) was detected and corrected. The broker service is logged in the preceding message.
Action	Correct the Broker attribute file. See *Broker's Mechanism for Choosing the Character Conversion Approach* under *Introduction to Internationalization*.

ETBW0809	**No assignment for `CONFIG` Report**
Explanation	The `CONFIG` report was requested but the file assignment is missing.
Action	Specify DD name `ETBCREP` to assign the `CONFIG` report file.

ETBW0811	**No assignment for MODULE Report**
Explanation	The `MODULE` report was requested but the file assignment is missing.
Action	Specify DD name `ETBMREP` to assign the `MODULE` report file.

ETBW0916	**:1: of max :2: connections in use**
Explanation	The defined percentage value defined with broker attribute `PERCENTAGE-FOR-CONNECTION-SHORTAGE-MESSAGE` has been reached. :1: represents the number of connections currently in use. :2: displays the maximum number of possible connections.
Action	None. This message is for information purposes only.

ETBW0940	**ARF SINGLE-CONV-MODE and PSTORE=NO**
Explanation	This may indicate a configuration problem with Broker. Adabas Event Replication usually needs a Broker with a persistent store. However, this Broker is currently running without persistent store.
Action	Stop Broker, configure a persistent store and start Broker with `PSTORE=COLD` or `PSTORE=HOT`. Ignore this warning if no persistent store is needed.

ETBW0947	**No assignment for TASK Report**
Explanation	The TASK report was requested but the file assignment is missing.
Action	None.

66 Message Class 8000-8999 - User-definable ACI Messages

The messages have the format:

8*cccnnnn*

where 8*ccc* is the message class in the range 8001-8999, and

nnnn is the message number in the range 0000 - 9999

Error messages in classes starting with 8, that is, in the range of 8001*nnnn* through 8999*nnnn*, are reserved for customer use.

These error messages are given by customer applications with the function `REPLY_ERROR`. See `REPLY_ERROR` under *Broker ACI Functions*.

67 EntireX CICS ABEND Codes

The abend codes in this chapter may be produced by RPC clients generated with the COBOL Wrapper for interface type CICS with DFHCOMMAREA calling convention. See *Using the COBOL Wrapper for CICS with* `DFHCOMMAREA` *Calling Convention (z/OS and z/VSE)* under *Using the COBOL Wrapper for the Client Side*.

EXX1	**Wrong LENGTH parameter for EXEC CICS LINK**
Explanation	This abend code is raised by client interface objects. See *COBOL Client Applications* under *Introduction to the COBOL Wrapper*. The `LENGTH` parameter provided to CICS in `EXEC CICS LINK` command when calling a client interface object is wrong.
Action	Correct your program and provide the correct `LENGTH` parameter. See *The RPC Communication Area (Reference)*.

EXX2	**Wrong LENGTH parameter for EXEC CICS LINK**
Explanation	This abend code is raised by the *Generic RPC Services Module* `COBSRVI`. The `LENGTH` parameter provided to CICS in `EXEC CICS LINK` command when calling the generic RPC service module `COBSRVI` is wrong.
Action	Depending on the situation:

- When you call the generic RPC service module COBSRVI in your COBOL client application, for example for Broker logon/logoff (see *Logging on Using Long Broker Passwords (z/OS with Call Interface)*), provide the `LENGTH` of the *RPC Communication Area*.

- When you call a client interface object (see *COBOL Client Applications*) and receive this error, contact Software AG support.

68 Adabas SVC Installation Messages (ADASIP)

This page describes all Adabas ADASVC messages. Some of these messages may occur during installation of EntireX. Not all messages are applicable to EntireX.

ADASIP01	SUBSID MACRO ERROR
Explanation	ADASIP received a non-zero return code from the operating system.
Action	The VSE operating system release level is too low for installing Adabas. Refer to the Adabas Installation Manual for the minimum allowed VSE levels.

ADASIP02	UNSUPPORTED VSE RELEASE BASED UPON SUBSID
Explanation	An ADASIP validation check indicates an unsupported operating system level.
Action	The VSE operating system release level is too low for installing Adabas. Refer to the Adabas Installation Manual for the minimum allowed VSE levels.

ADASIP03	NO SYSPARM VALUE SPECIFIED FOR SVC
Explanation	ADASIP could not find a SYSPARM input, and a ZAP has not be applied to the specified SVC.
Action	Either provide the SVC with SYSPARM or apply a ZAP to the specified SVC with ADASIP.

ADASIP04	DEFAULT VALUE USED FOR THE SVC
Explanation	No SYSPARM SVC has been used. ADASIP defaults to using the SVC that has a ZAP applied.
Action	This message is for your information only; no error has occurred.

ADASIP05	NON-NUMERIC DATA FOUND IN SYSPARM FIELD
Explanation	Either SYSPARM or the default ADASIP SVC contains a nonnumeric value.
Action	Correct the specified SYSPARM value, or set the default SVC value to 30.

ADASIP06	INVALID RANGE SPECIFIED FOR THE SVC 31-120
Explanation	ADASIP found an SVC outside the allowed range in SYSPARM or the ADASIP default SVC.
Action	Set the SVC to an unused SVC value within the allowed range. SVC ranges and recommended values are described in the Adabas Installation Manual.

ADASIP07	SVC SPECIFIED NOT WITH VALID RANGE - NO UPSI
Explanation	The value specified for the SVC in the VSE SYSPARM with the UPSI option was incorrect. SVC ranges and recommended values are described in the Adabas Installation Manual.
Action	Correct the UPSI or SVC value, as appropriate.

ADASIP08	ADASVCvv WAS NOT FOUND IN THE SVA
Explanation	While performing a VSE load, ADASIP found that the specified level ADASVC was not in the SVA.
Action	Issue the SET SDL for ADASVCvv. It may be necessary to relink the Adabas SVC with SVA using the PHASE statement if the Adabas SVC is not found in the Adabas library.

ADASIP09	NO MATCH ON ID - INCORRECT ADASVC LOADED
Explanation	ADASIP found an incorrect SVC version while attempting a load operation.
Action	Relink ADASVCvv with the correct SVC module.

ADASIP10	NO KEYWORD SPECIFIED FOR NRIDTES
Explanation	ADASIP found an incorrect NRIDTES keyword.
Action	Respecify the keyword parameter as NRIDTES=nn, where "nn" specifies the number of databases to be supported in the ID table.

ADASIP11   **NON-NUMERIC DATA SPECIFIED FOR NRIDTES**

Explanation   The ADASIP NRIDTES= keyword parameter specified non-numeric data.

Action   Correct the NRIDTES= data, then resubmit ADASIP.

ADASIP12   **NO OVERRIDING NRIDTES SPECIFIED**

Explanation   The default NRIDTES was used. No error has occurred.

Action   None required. This message is for your information only.

ADASIP13   **SVC TABLE ENTRY WAS FOUND TO BE INVALID**

Explanation   The SVC number provided by SYSPARM is either not valid, or does not represent either the old or new version of the VSE Adabas SVC. This error can occur if the UPSI statement's C parameter specified 0.

Action   Respecify the UPSI statement, or specify another unused SVC value. Rerun ADASIP.

ADASIP14   **GETVIS FAILURE FOR IDT IN SVA**

Explanation   The GETVIS of the IDT passed a nonzero return code back to ADASIP, meaning the GETVIS size was insufficient.

Action   Increase the SVA GETVIS size, re-IPL the operating system, and rerun ADASIP.

ADASIP15   **ROUTER UNABLE TO INITIALIZE IDT**

Explanation   ADASIP received a nonzero return code from the 56 call to the SVC.

Action   Contact Software AG support.

ADASIP17   **INCORRECT SVC SUFFIX AFTER COMMA IN SYSPARM**

Explanation   An attempt was made to run this program more than once for the current IPL. A second IDT for the program is not required.

Action   Correct the SYSPARM specification for the two-byte SVC suffix, and rerun the job.

ADASIP18   **NON-NUMERIC DATA SPECIFIED FOR DMPDBID**

Explanation   The ADASIP DMPDBID keyword parameter contains nonnumeric data.

Action   Correct the DMPDBID specification, and rerun the job.

ADASIP19	DBID CANNOT BE FOUND IN IDTE
Explanation	The ADASIP program could not find an entry for the DMPDBID database in the IDT area.
Action	Either correct the DMPDBID specification or start the specified database, then run ADASIP to perform a "snap" dump of the command queue.

ADASIP20	THE IDT AND SVC HAVE BEEN DUMPED TO SYSLST
Explanation	A request to ADASIP to dump the IDT and then SVC via UPSI 80.
Action	This message is for your information only; no error has occurred.

ADASIP21	NO IDT TABLE WAS FOUND FOR SPECIFIED SVC
Explanation	ADASIP found that the SVC has no address for the IDT.
Action	Specify the correct SVC, or initialize with ADASIP first.

ADASIP22	THE SVC HAS ALREADY BEEN INSTALLED
Explanation	ADASIP found that the same program is being run again.
Action	The SVC is not installed and no IDT table is needed. To reinstall the same SVC, you must first perform a SET SDL.

ADASIP23	THE SVC TABLE CANNOT BE LISTED UNDER DOS/MVT
Explanation	The option to display the SVC table is specified under VSE.
Action	None required. This message is for your information only.

ADASIP24	THE IDT HAS BEEN PAGEFIXED BY USER OPTION
Explanation	UPSI (X'20') was selected to pagefix the IDT in the system GETVIS area.
Action	None required. This message is for your information only.

ADASIP27	ADASVC IS RMODE=ANY
Explanation	ADASIP detected that the Adabas SVC is linked RMODE=ANY.
Action	Relink the Adabas SVC RMODE=24.

ADASIP28   **ADASIP IS AMODE=31**

Explanation   ADASIP detected that it is AMODE=31.

Action   Relink ADASIP AMODE=24.

ADASIP29   **PRODID MACRO FAILURE**

Explanation   ADASIP received a nonzero response code from the PRODID DEFINE macro.

Action   Investigate the cause of the error. Correct it and rerun the job.

ADASIP30   **ADASVCvv svc INSTALLED**

Explanation   ADASIP has installed SVC number svc successfully.

Action   None required.

ADASIP31   **address=SVC ADDRESS**

Explanation   The SVC has been loaded at the indicated address.

Action   None required. This message is for your information only.

ADASIP32   **address=IDT ADDRESS**

Explanation   The ID table has been allocated at the indicated address.

Action   None required. This message is for your information only.

ADASIP33   **address=ALET TABLE ADDRESS**

Explanation   The ALET table has been loaded at the indicated address.

Action   None required. This message is for your information only.

ADASIP34   **count=MAXIMUM USER/TARGET COMBINATIONS**

Explanation   Total number of client/server combinations within the VSE system.

Action   None required. This message is for your information only.

ADASIP36   **address=EXTENDED IIBS ADDRESS**

Explanation   The extended IIBs have been loaded at the indicated address.

Action   None required. This message is for your information only.

| ADASIP40 | **VSE SVC svc IS status AM=a-mode RM=r-mode AR=reg-mode SVCT=svc-tab-addr MODT=svc-mod-addr** |

Explanation   This message occurs when the option to list the SVC table is selected, and specifies the following values:

Value	Description
svc	the VSE SVC number
status	USED or UNUSED
a-mode	AMODE of this SVC, if used (24 or ANY)
r-mode	RMODE of this SVC, if used (24 or ANY)
reg-mode	access register mode of this SVC, if used (Y=yes, N=no)
svc-tab-addr	address of the SVC table entry for this SVC
svc-mod-addr	address of the SVC mode table entry for this SVC, if present

Action   None required. This message is for your information only.

Note: Do not use SVC50, even though it is indicated as "unused".

ADASIP41   **VSE SVC TABLE AUDIT COMPLETED**

Explanation   ADASIP has completed listing the VSE SVC table.

Action   None required. This message is for your information only.

ADASIP50   **THE COMMAND QUEUE HAS BEEN DUMPED TO SYSLST**

Explanation   ADASIP has completed listing the command queue for the specified database.

Action   None required. This message is for your information only.

ADASIP60   **ONLY 1 CPU CAN BE ACTIVE DURING ADASIP**

Action   Use `SYSDEF TD,STOP=ALL` to stop all but one CPU so that ADASIP can run. Then restart your CPUs again.

ADASIP61   **RERUN ADASIP AFTER USING TDSERV TO STOP CPUS**

Explanation   Occurs in conjunction with ADASIP60.

ADASIP62   **GETVIS FAILED FOR ADASTUB MODULE**

Explanation   Not enough SVA storage to load ADASTUB.

Action   Consult with your system programmer.

ADASIP63   **ADASTUB MODULE LOADED AT address**

Explanation   Information message indicating module load address.

ADASIP64   **NO MATCH ON ID - INCORRECT ADASTUB LOADED**

Explanation   ADASTUB phase is incorrect.

Action   Consult with your system programmer, or contact Software AG.

ADASIP65   **ADASTUB SVC TABLE NOT FOUND**

Explanation   ADASTUB phase is incorrect.

Action   Consult with your system programmer, or contact Software AG.

ADASIP66   **ADASTUB SVC TABLE IS FULL**

Explanation   You have more than 10 SVCs active on this VSE machine.

Action   Contact Software AG for information about increasing the table size.

ADASIP67   **PAGEFIX FOR ADASIP FAILED**

Action   Increase the SETPFIX value and rerun.

ADASIP68   **PAGEFREE FOR ADASIP FAILED**

Action   Consult with your system programmer.

ADASIP69   **TURBO DISPATCHER STUB A C T I V E**

Explanation   Adabas Turbo support is now active on this VSE machine.

ADASIP70   **VSE SUPERVISOR HOOK INSTALL FAILED**

Explanation   Either this version of the VSE/ESA 2 supervisor is not supported, or the vendor installation logic for the first-level interrupt handler is incorrect.

Action   Contact Software AG support and have message ADASIP72 available.

ADASIP71	**LOAD OF MODULE ADASTUB FAILED**
Explanation	The ADASTUB module was not found in the LIBDEF SEARCH chain.

ADASIP72	**CODE IS : xxxxxxxxxxxxxxxxxxxxxxxxxxxxx**
Explanation	Occurs after message ADASIP70.

ADASIP73	**ADANCHOR INCORRECT OR NOT FOUND IN SVA**
Explanation	The ADANCHOR module was not found in the SVA; no SET SDL has been done.

ADASIP74	**INFO : STUB ACTIVATED BY PREVIOUS ADASIP**
Explanation	Adabas Turbo STUB has been installed by a previous ADASIP.
Action	None. This message is for information only.

ADASIP75	**ADANCHOR AND ADASTUB NOT DUMPED - NOT ACTIVE**
Explanation	When attempting to dump Adabas control blocks with ADASIP, the modules were not dumped because Adabas Turbo support is not active.
Action	None. This message is for information only.

ADASIP76	**ADABAS TURBO STUB NOT ACTIVATED DUE TO ERROR**
Explanation	An error occurred during the installation of the Adabas Turbo stub.

ADASIP77	**THIS ADABAS SVC WILL RUN IN NON-TURBO MODE**
Explanation	An error occurred during the installation of the Adabas Turbo stub. This SVC will run in non-Turbo mode from now on.

ADASIP78	**VSE TURBO DISPATCHER VERSION nn**
Explanation	Version of VSE/ESA version 2 Turbo Dispatcher. 00 indicates TD level of pre-version 4.
Action	None. This message is for information only.

69 ADAS* (Adabas SVC) System Messages

ADAS00 **SIRMVS ({yyyy - mm - dd}, SM={level}, ZAP={zap-number})**

Explanation ADASIR has executed.

yyyy-mm-dd	the ADASIR assembly date
level	the maintenance (SM) level
zap-number	the highest zap number applied

ADAS01 **{subsysname} enter number of Adabas V{v} ID table entries (1-{nn})**

Explanation ADASIR found an invalid ID table entry.

Action Enter the decimal ID table value. ADASIR operation continues.

ADAS03 **{subsysname} Adabas V{v} ID table for SVC {svc} initialized**

Explanation ADASIR has installed the Adabas SVC and acquired the necessary storage successfully.

ADAS04 **{subsysname} Adabas V{v} ID table initialization error**

Explanation ADASIR detected one of the following possible errors:

- IDT GETMAIN failure
- a nonzero return code from ADASVC on the 56 call
- ADASIR did not set the SSCTSUSE
- the operator terminated ADASIR
- ADASIR detected a non-VS1 environment

Action ADASIR terminates, freeing any resources acquired.

ADAS05	{subsysname} Adabas V{v} ID table parameter(s) error
Explanation	ADASIR found an invalid input parameter. The message may be followed by messages requesting reentry of the input parameters.
Action	Enter the correct parameter or parameters and rerun ADASIR or enter "no" to end ADASIR operation.

ADAS06	{subsysname} Enter Adabas V{v} ID table subpool (228 or 241) or "NO" to abort ID table initialization
Explanation	This message occurs after error ADAS05 and requests that you verify the Adabas V *v* ID table subpool where *v* is the version of Adabas.
Action	Enter either "228" (subpool 228 / fixed CSA), "241" (subpool 241 / pageable CSA) or enter "no" to end ADASIR operation.

ADAS07	{subsysname} Enter number of Adabas V{v} ID table entries or "NO" to abort ID table initialization
Explanation	This message occurs after error ADAS05 and requests that you verify the number of IDT entries.
Action	Enter a value ranging one to four digits representing the IDT entry count or enter "no" to end ADASIR operation.

ADAS08	{subsysname} Enter Adabas V{v} SVC number (200-255) or "NO" to abort ID table initialization
Explanation	This message occurs after error ADAS05 and requests that you verify the SVC number for the version of Adabas specified.
Action	Enter a three-digit SVC value ranging 200-255 or enter "no" to end ADASIR operation.

ADAS09	{subsysname} Adabas V{v} SVC {svc} table entry at {svc-addr} invalid is {bad-entry bad-entry} should be {good-entry good-entry}
Explanation	This and any associated ADAS*nn* messages occur when ADASIR finds an incorrect SVC table entry or when message ADAS14 was answered with "p" (prompt option). The variable values in the message have the following meanings:

v	version of Adabas
svc	SVC number
svc-addr	address of the SVC table entry
bad-entry	current SVC table entry value in error
good-entry	desired SVC table entry value

Action	ADASIR follows this message with message ADAS10 asking if the SVC entry in error should be changed to the desired value.

ADAS10	**{subsysname} should SVC table entry be changed ('Y') or should Adabas ID table initialization be aborted ('N')**
Explanation	This message occurs after message ADAS09 and requests that you confirm a change of the SVC table entry in error to a desired value proposed by ADASIR.
Action	Enter "Y" (yes) to update the SVC entry. Entering any other value leaves the SVC entry as it was.

ADAS11	**{subsysname} Adabas V{v} ID table for SVC {svc} initialized with {cccc} entries IDT:{address} IDTExt:{address} FIIBS:{address} SSCT:{address} SVC:{address} VRS:{vrs} DATE:{date}**
Explanation	SVC with the number *svc* has been installed and the ID table storage for a count of *cccc* entries was successfully allocated. The addresses of the SVC, major CSA data structures, and the release and assembly date for the SVC are also provided in the message.
Action	No action is required for this informational message.

ADAS12	**{subsysname} Adabas V{v} ID table initialization error {n}**
Explanation	ADASIR detected error *n*, where *n* is one of the following:

1	The GETMAIN for the ID table was unsuccessful.
2	The Adabas SVC request to initialize the ID table returned a nonzero return code. Probable cause is that the subsystem name in the IEFSSNxx member of SYS1.PARMLIB does not match the contents of ADASVC + x'28'.
3	The Adabas SVC request to initialize the ID table did not set the correct value in the SSCT. Probable cause is an incorrect SVC number.
4	The operator terminated initialization.
7	The SVC table entry for the Adabas SVC does not contain the address of the Adabas SVC.
10	SVCUPDTE macro failure.
11	The GETMAIN for the FIIBS and IDT extension tables was unsuccessful.

Action	Correct the error condition and re-IPL (if necessary) or rerun ADASIP.

ADAS13	**{subsysname} leave message ADAS11 or ADAS12 (N or Y)**
Explanation	ADASIR keeps the display of the previous ADAS11 or ADAS12 message on the screen if you specify "Y"; otherwise, the message display is removed and lost.
Action	Enter "Y" to keep the message display; otherwise, the message is removed.

ADAS14	**{subsysname} prompt operator to update SVC table entry N or P**
Explanation	This message asks whether the operator should be prompted to update the SVC table entry (P) or not (N).
Action	Enter "P" to prompt the operator for the SVC table entry; messages ADAS09 and ADAS10 occur when "P" is entered. Enter "N" (no prompt) to let ADASIR select the SVC value; message ADAS15 occurs when "N" is entered.

ADAS15	**{subsysname} SVC {svc} table entry changed without prompting operator**
Explanation	SVC *svc* was changed without a prompt being sent to the operator.

ADAS20	**At {address}, {length} bytes {action} {area-description}**
Explanation	When ADASIP refreshes an existing Adabas SVC, the common storage area (CSA) associated with the old SVC load module and its associated IDT-related structures is released. If a PLXCB is found, its components are released as well. This message appears for each attempt to release storage:

address	CSA area address, in hexadecimal
length	CSA area length, in hexadecimal
action	One of the following: CSA RELEASED RELEASE FAILED
area-description	One of the following: REPLACED SVC IDTH / IDT / IIBS CLUSTER SEGMENT PLXCB BASE PLXCUSER SEGMENT SMP SEGMENT IDTEES IDTHE IDT Extension

ADAS33	**Security subsystem denied authorization** **Security subsystem or APF authorization is required** **APF authorization is required** **Security subsystem error SAF/Ret/Rsn SAF** **{return-code}/{security-subsystem-return-code}/{security-subsystem-reason-code}**
Explanation	The nucleus attempted to initialize or access an ADASVC function that required authorization.
Action	Provide the appropriate authorization. If the message indicates a security subsystem error, contact your security administrator or your Software AG technical support representative for assistance.

ADAS34   **Invalid pointer SAGVT**
                    Invalid pointer to SAGVT at {addr} cleared
                    {hex-storage-bytes-0-15}
                    {hex-storage-bytes-16-31}

Explanation   The Software AG Vector Table (SAGVT) is an internal z/OS CSA structure anchored
                    in a CVT-based field assigned by IBM to Software AG. During SVC installation and
                    initialization, Adabas SVC processing found an entry in Software AG's assigned
                    anchor slot that did not point to a valid SAGVT. This may be because another vendor's
                    product is using Software AG's assigned slot or the storage was corrupted.

                    The invalid address and 32-bytes of storage at that address are dumped and included
                    in the message to aid in problem determination. The SAGVT anchor slot is cleared.
                    Expect a subsequent **ADAS35** message as a new SAGVT is installed.

                    This message appears in red on the operator's console and does not scroll off the
                    display.

Action   Contact your Software AG technical support representative.

ADAS35   **SAGVT {{installed}|{reinstalled}}**

Explanation   The Software AG Vector Table (SAGVT) is an internal z/OS CSA structure anchored
                    in a CVT-based field assigned by IBM to Software AG. During SVC installation and
                    initialization, Adabas SVC processing did not find a usable SAGVT.

                    If the IBM-assigned pointer to the SAGVT is zero, a new SAGVT is allocated and
                    installed.

                    If the IBM-assigned pointer to the SAGVT identifies a SAGVT version older than the
                    one known to the installing ADASVC program, the SAGVT is reinstalled, replacing
                    the older one.

Action   No action is required for this informational message.

ADAS36   **Service ABTERM resource manager task term cleanup**

Explanation   A z/OS resource manager recovery routine was entered after a server address space
                    ABEND to POST any incomplete commands and release the IDTE.

Action   No action is required for this informational message.

ADAS37   **ENFReq {Listen | Delete} event 53 return code {rc}**

Explanation   A non-zero return code was received from an ENFREQ request to activate or delete
                    a z/OS Event Notification Facility (ENF) exit that detects time zone and leap second
                    changes. The return code (rc) is given in the message.

Action   Examine the ENFREQ return code description in IBM documentation. If the cause is
                    not clear, notify your Software AG technical support representative.

ADAS39	**ADADSP DBID {dbid} SVC {svc} AbTerm resource manager {AddrSpc term	Task term	cleared ALET}**
Explanation	An ADADSP subtask in ADACOM failed such that it did not clean up the IDTH prefix entry for a PLXCB dataspace. The Resource Manager routine attempted recovery at either address space or task termination. If an ALET for this DBID/SVC combination was found in the IDTH prefix entry, the entry is cleared.
Action	Restart the failed ADACOM subtasks and any affected nuclei. Contact your Software AG technical support representative if the reason for the termination is unclear.

70   Software AG Licensing Messages

The messages in this document may be produced by Software AG mainframe license processing or when using the license utility, LICUTIL.

MLC1001	**CPU-ID {cpuid} is not defined in your product license**
Explanation	The CPU ID listed in the message (*cpuid*) is not defined in your product license. Either your license file is invalid or you have attempted to run the Software AG mainframe product on a machine for which it is not licensed.
Action	Install and run the Software AG product on the machine for which it is licensed. If the problem persists, contact your Software AG sales representative for assistance.

MLC1002	**LPAR name {lparname} is not defined in your product license**
Explanation	The LPAR name listed in the message (*lparname*) is not defined in your product license. Either your license file is invalid or you have attempted to run the Software AG mainframe product on a machine for which it is not licensed.
Action	Install and run the Software AG product on the machine for which it is licensed. If the problem persists, contact your Software AG sales representative for assistance.

MLC1003	**Machine capacity {value} higher than MSUs in your product license**
Explanation	The machine or the partition capacity (*value*) of the CEC or LPAR respectively on which you have attempted to install and run the Software AG mainframe product exceeds the capacity allowed in your product license. Either your license file is invalid or you have attempted to run the Software AG mainframe product on a machine for which it is not licensed.
Action	Contact your Software AG sales representative for assistance.

MLC1004	**The product license will expire on {date}**
Explanation	This warning message provides the date (YYYY/MM/DD) when the license will expire for this Software AG mainframe product. The product cannot be started with the current product license after this date. For example, an expiration date of 2018/09/05 indicates that you can still work on 2018/09/05 until 23:59 (local time) but need a new license from the next day (2018/09/06).
Action	No action is required for this warning message. However, you should contact your Software AG sales representative to obtain an updated license soon.

MLC1005	**We assume CPU-ID {cpuid} as your DR or DR testing environment**
Explanation	The CPU ID listed in the message (*cpuid*) is not defined in your product license. Therefore, we assume that you are running in a disaster recovery environment.
Action	If you are running in a disaster recovery environment, no action is required for this warning message. If you are not running in a disaster recovery environment, contact your Software AG sales representative to obtain an updated license.

MLC2001	**The product license is invalid**
Explanation	Your product license is invalid.
Action	Contact your Software AG sales representative for assistance.

MLC2002	**The product license key is invalid**
Explanation	The license file for the Software AG mainframe product is invalid.
Action	Verify that the license file was transferred correctly to the mainframe host and that it is still in ASCII format. If the problem persists, contact your Software AG sales representative for assistance.

MLC2003	**The product license is not for {value}**
Explanation	The license file for the Software AG mainframe product is not for the operating system (OS), product code, or product version listed in the message (*value*).
Action	Use the correct license file. If the problem persists, contact your Software AG sales representative for assistance.

MLC2004	**The product license has expired on {date}**
Explanation	The product license has expired. The date (YYYY/MM/DD) it expired is given in the message (*date*).
Action	Contact your Software AG sales representative for assistance.

MLC2005	**Tag missing in product license: {tagname}**
Explanation	The tag with the name listed in the message (*tagname*) is missing in your product license.
Action	Contact your Software AG sales representative for assistance.

MLC2006	**Invalid tag value in product license: {tagname}**
Explanation	The value of the tag with the name listed in the message (*tagname*) is invalid in your product license.
Action	Contact your Software AG sales representative for assistance.

MLC2007	**Current CPU-ID not found for product license check**
Explanation	The CPU ID of the CPU on which the product license check was run is not found in the license file.
Action	Contact your Software AG sales representative for assistance.

MLC2008	**The number of MSU values in the product license is incorrect**
Explanation	The machine capacity covered by the product license is incorrect.
Action	Contact your Software AG sales representative for assistance.

MLC2009	**ExtendedRights setting {value} not allowed under this system**
Explanation	The ExtendedRights setting listed in the message (*value*) is not supported by your system.
Action	Contact your Software AG sales representative for assistance.

MLC2010	**Soft capping is not allowed with ExtendedRights {value}**
Explanation	Your product license does not allow soft capping with the ExtendedRights setting listed in the message (*value*).
Action	Contact your Software AG sales representative for assistance.

MLC2011	**Defined hardware class in the license exceeded {value}**
Explanation	The hardware class (PriceQuantity) in your product license is too small for the current machine (*value*).
Action	Contact your Software AG sales representative for assistance.

MLC2012	**The number of zIIPs ({value}) exceeds the license definition**
Explanation	The number of zIIP processors in the current machine exceeds the number of zIIPs (PriceQuantity) in your product license.
Action	Contact your Software AG sales representative for assistance.

MLC2013	**The number of zIIP values in the product license is incorrect**
Explanation	The number of zIIP values (zIIPs) in your product license does not match with the number of LPAR values (LPARs).
Action	Contact your Software AG sales representative for assistance.

MLC3001	**Invalid LCPCB length**
Explanation	The license check routine has been incorrectly called.
Action	Contact your Software AG support representative for assistance.

MLC3002	**Work area too small**
Explanation	The size of the work area for the license check routine is too small.
Action	Contact your Software AG support representative for assistance.

MLC3003	**Invalid function code**
Explanation	The license check routine has been incorrectly called.
Action	Contact your Software AG support representative for assistance.

MLC3004	**Invalid operating system**
Explanation	The ID of the operating system passed through the license check routine is invalid.
Action	Contact your Software AG support representative for assistance.

MLC3005	**Invalid product code**
Explanation	The product code passed through the license check routine is invalid.
Action	Contact your Software AG support representative for assistance.

MLC3006	**Invalid product version**
Explanation	The product version passed through the license check routine is not numeric.
Action	Contact your Software AG support representative for assistance.

MLC3007	**Invalid current date**
Explanation	The current date passed through the license check routine is invalid. The date must be in the format *yyyy-mm-dd*. The dash (-) delimiters are not checked but the numbers must be a valid year, month and day, respectively.
Action	Contact your Software AG support representative for assistance.

MLC3008	**Tag not found**
Explanation	The license check routine cannot find the requested XML tag.
Action	Contact your Software AG support representative for assistance.

MLC3009	**Component Id tag not found**
Explanation	The license check routine cannot find the XML tag `Component Id`.
Action	Contact your Software AG support representative for assistance.

MLC3010	**Invalid search tag**
Explanation	The XML search tag requested by the license check routine is invalid.
Action	Contact your Software AG support representative for assistance.

MLC3011	**Insufficient I/O area size**
Explanation	The size of the I/O area for the license check routine is too small.
Action	Contact your Software AG support representative for assistance.

MLC3012	**Output record length too small**
Explanation	The length of the output record for the license check routine is too small.
Action	Contact your Software AG support representative for assistance.

MLC3013	**Error message text not found**
Explanation	The license check routine cannot find the text that belongs to the requested error message.
Action	Contact your Software AG support representative for assistance.

MLC3014	**Too many errors occurred**
Explanation	The license check routine detected too many errors. Some messages are lost.
Action	Contact your Software AG support representative for assistance.

MLC9001	**License exceeds maximum size of 8000**
Explanation	Your license file is too large.
Action	Contact your Software AG sales representative for assistance.

MLC9002	**Error opening license file input**
Explanation	An error occurred during an attempt to open the license file input.
Action	Investigate the cause of the error, paying special attention to the corresponding error messages produced by the operating system. Contact your Software AG sales or support representative for assistance.

MLC9003	**Error reading license file input**
Explanation	An error occurred during an attempt to read the license file input.
Action	Investigate the cause of the error, paying special attention to the corresponding error messages produced by the operating system. Contact your Software AG sales or support representative for assistance.

MLC9004	**Error opening license file assembler output**
Explanation	An error occurred during an attempt to open the license file assembler output.
Action	Investigate the cause of the error, paying special attention to the corresponding error messages produced by the operating system. Contact your Software AG sales or support representative for assistance.

MLC9005	**Error writing license file assembler output**
Explanation	An error occurred during an attempt to write the license file assembler output.
Action	Investigate the cause of the error, paying special attention to the corresponding error messages produced by the operating system. Contact your Software AG sales or support representative for assistance.

MLC9006	**License converted to assembler output records written to output file**
Explanation	The license file was successfully converted to an assembler source module. Output records were written to the output file.
Action	No action is required for this informational message.

MLC9007	**Error loading license module {modulename} {errorcode}**
Explanation	The LOADLIC function (z/OS only) tried to load a license module from the load library and received an error (*errorcode*) from the operating system.
Action	Correct the LICUTIL input, removing duplicate LICUTIL function calls. Check that the license module (*modulename*) is in the load library, that the correct library is referenced in the JCL, and that the module name is specified correctly in the LOADLIC statement (case sensitive, a blank between LOADLIC and *modulename*).

MLC9009	**DMS Error**
Explanation	A DMS error occurred (only in BS2000 environments).
Action	Investigate the cause of the BS2000 DMS error. If you need assistance, contact your Software AG support representative.

MLC9010	**LOADLIC can only be issued once, before any DISPLAY, CHECK, MAKE or READ**
Explanation	The LOADLIC function (z/OS only) can only be performed once per LICUTIL session. LOADLIC must not be preceded by the DISPLAY, CHECK or READ function. These functions can only locate the license module *after* the LOADLIC.
Action	Correct the LICUTIL input, removing duplicate LICUTIL function calls. Change the call order so that the LOADLIC precedes any DISPLAY, CHECK or READ.

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71 EntireX SAGTOKEN Messages

EntireX Broker includes a stub that supports both the TCP/IP and ADALNK transports and can be used with non-Natural applications in TSO or Batch mode. The SAGTOKEN module that is included allows you to set, delete, or display (locally or globally) variables that are used to:

- Set the stublog number, which is used to control tracing.

- Specify which transport is preferred: TCP-NET means use TCP/IP if possible. NET-TCP means use Entire Net-Work if possible.

The messages described in this section are generated by the SAGTOKEN module and displayed at the operator console.

SAGTOK01	**Token xxxxxxxxxxxx set to nnnnnnnnnnnnnnn**
Explanation	The identified token has been set to the value shown.
Action	This message is informational only.

SAGTOK02	**Token Services Error xxxxxxxx Returned**
Explanation	The identified IBM Token Services error has been returned.
Action	Refer to the appropriate IBM documentation.

SAGTOK03	**Invalid Command to Token Services**
Explanation	An invalid `SAGTOKEN` command has been received.
Action	Check the command syntax and correct the error.

SAGTOK04	**Token Keyword Exceeds Maximum Length of 12**
Explanation	SAGTOKEN keywords can be no longer that 12 characters.
Action	Check the keyword specification and correct the error.

SAGTOK05	**Not Properly Authorized for Token Services**
Explanation	SAGTOKEN is not being executed from an authorized library.
Action	Verify that all libraries in the STEPLIB concatenation are properly authorized.

SAGTOK06	**Command Exceeds Maximum Length of 80 Characters**
Explanation	Command can be no longer that 80 characters.
Action	Shorten the command to 80 or less characters and rerun the SAGTOKEN program.

SAGTOK07	**Invalid Delimiter between operand 2 and 3**
Explanation	The delimiter between the second operand and the third operand was not a comma.
Action	Change the command to use a comma as the delimiter after the second operand and rerun the SAGTOKEN program.

72 EntireX Broker Security Server for BS2000

These messages are returned by the EntireX Broker Security Server for BS2000 and have the format
SEC*xnnnn*

where SEC indicates a security message

    x indicates the type of message

      I information

      E error; function cannot be performed

      T trace message

    nnn is the message number

SECI0001	**Broker Security Server V n.n.n started**
Explanation	Broker Security Server start up message.
Action	None.

SECI0002	**Broker Security Server V n.n.n terminated normally**
Explanation	Broker Security Server termination message.
Action	None.

SECI0003	**Broker Security Server V n.n.n terminated with errors**
Explanation	Broker Security Server termination message. This message always appears together with a SECEnnn message.
Action	None.

SECI0004	**Running with FORCE = YES, the security CMP will be newly initialized**
Explanation	If the Broker Security Server was started with `FORCE='YES'` and the security common memory pool was newly initialised the above message is issued.
Action	None.

SECE0001	**Unexpected return code from DISMP**
Explanation	Server will terminate with dump and a SECT0008 Return Code: rc is issued.
Action	Contact Software AG support.

SECE0002	**Unexpected return code from SOLSIG**
Explanation	Server will terminate with dump and a SECT0008 Return Code: rc is issued.
Action	Contact Software AG support.

SECE0003	**Unexpected return code from ENAEI**
Explanation	Server will terminate with dump and a SECT0008 Return Code: rc is issued.
Action	Contact Software AG support.

SECE0004	**Unexpected return code from DISEI**
Explanation	Server will terminate with dump and a SECT0008 Return Code: rc is issued.
Action	Contact Software AG support.

SECE0005	**Unexpected return code from ENAMP**
Explanation	Server will terminate with dump and a SECT0008 Return Code: rc is issued.
Action	Contact Software AG support.

SECE0006	**Unexpected return code from ENAMP**
Explanation	Server will terminate with dump and a SECT0008 Return Code: rc is issued.
Action	Contact Software AG support.

SECE0007	**Unexpected return code from REQMP**
Explanation	Server will terminate with dump and a SECT0008 Return Code: rc is issued.
Action	Contact Software AG support.

SECE0008	Unexpected return code from CLEANUP
Explanation	Server will terminate with dump and a SECT0008 Return Code: rc is issued.
Action	Contact Software AG support.

SECE0009	Unexpected end of security CMP detected
Explanation	An internal error occurred. The server will terminate with dump and a SECI0003 message is issued.
Action	Contact Software AG support.

SECE0010	Broker Security Server already active
Explanation	The Broker Security Server found an active security common memory pool in the system. The startup process is suppressed.
Action	If there is no other server active in the system, the FORCE parameter may be used to newly initialize the security common memory pool.

SECT0001	Authentication successful
Explanation	This message follows a SECT0013 USERID user ID message.
Action	None.

SECT0002	Authentication failed, password mismatch
Explanation	The user ID is known, the supplied password does not match. This message follows a SECT0013 USERID user ID message.
Action	None.

SECT0003	Authentication failed, password mismatch
Explanation	The user ID is known, no password exists but there was one supplied. This message follows a SECT0013 USERID user ID message.
Action	None.

SECT0004	Authentication failed, user unknown or server not authorized
Explanation	Either the user ID is unknown or the Broker Security Server has no privileges to access the user catalog, e.g. it does not run under a privileged user ID (TSOS). This message follows a SECT0013 USERID user ID message.
Action	None.

SECT0005	**Authentication failed, error from encryption**
Explanation	The password could not be encrypted. This message follows a `SECT0013 USERID` user ID message.
Action	None.

SECT0006	**Authentication failed, unsupported crypt algorithm**
Explanation	The operating system returned an unexpected encryption mode.
Action	None.

SECT0007	**Security CMP established successfully**
Explanation	The Security Server common memory pool was established and initialized successfully.
Action	None.

SECT0008	**Return Code: rc**
Explanation	This message always occurs together with a SECEnnn message where rc contains the return code from the corresponding BS2000 macro or Security Server function, respectively.
Action	None.

SECT0009	**Security CMP disabled successfully**
Explanation	The Security Server common memory pool was disabled and deleted.
Action	None.

SECT0010	**Security CMP disabled successfully, CMP kept**
Explanation	The Security Server common memory pool was disabled but could be not deleted due to other BS2000 tasks holding the pool.
Action	None.

SECT0011	**Authentication failed, reason is unknown**
Explanation	The user authentication failed and the Security Server could not determine a reason for that.
Action	None.

SECT0012	**Security CMP cleanup done**
Explanation	The Security Server cleaned its request queue from not posted authentication requests.
Action	None.

SECT0013	**USERID: userID**
Explanation	This message occurs together with one of the following messages SECT0001, SECT0002, SECT0003, SECT0004, SECT0005, SECT0006, where userID is the user for which the authentication was done.
Action	None.

SECT0014	**ENAMP done**
Explanation	The Security Server common memory pool was enabled successfully. This message follows a SECT0008 Return Code: rc message.
Action	None.

73 **Message Class XCO - X-COM Console Messages**

This page explains the Console Messages, which have the format

XCO*nnnns*

where XCO is the error code

    nnnn is the message number, and

    s   indicates the severity of the error:
        E: error; function cannot be performed
        I: information
        W: warning; potential problem exists

XCO0003E	**ERROR DURING READ OF STARTUP PARMS.**
Explanation	Error occurred while attempting to open the file designated by the PARMS DD.
Action	Correct and verify that the PARMS DD is pointing to the file containing the startup parameters. Restart Broker.

XCO0005E	**LOAD FOR MODULE :1: FAILED - ABEND.**
Explanation	The loading of module :1: failed.
Action	Check and verify whether the module :1: is in the library concatenation. If not, add the appropriate library containing the module :1:. Restart Broker.

XCO0007E   **WRONG X-COM PARAMETER :1:.**

Explanation   The X-COM parameter :1: is incorrect or not specified.

Action   Add or correct the value for the parameter :1:. Restart Broker.

XCO0008E   **ADAMPM - WRONG VERSION FOUND.**

Explanation   The verification of ADAMPM failed.

Action   Ensure that the correct version of ADAMPM is contained in the library concatenation. Restart Broker.

XCO0009I   **X-COM node is initialized.**

Explanation   X-COM has initialized the target and is ready for work.

Action   No action required.

XCO0010W   **Wrong ECB found.**

Explanation   The type of returned event indicator is not valid and will be ignored. X-COM nucleus continues to wait for requests.

Action   Contact Software AG support.

XCO0011E   **X-COM data error.**

Explanation   The routine to check X-COM data has detected an inconsistency. X-COM nucleus terminates abnormally.

Action   Contact Software AG support.

XCO0012E   **USER RET (R15) error.**

Explanation   One of the routines called by X-COM nucleus has returned an error. X-COM nucleus terminates abnormally.

Action   Contact Software AG support.

XCO0013E   **Delete ECB error.**

Explanation   An ECB cannot be removed from the wait list. X-COM nucleus terminates abnormally.

Action   Contact Software AG support.

XCO0014E   **No ANSWER entry point.**

Explanation   The entry point for the reply handler could not be found. X-COM nucleus cannot process any user replies and terminates abnormally.

Action   Contact Software AG support.

XCO0015E   **APPL ECB throw away.**

Explanation   The X-COM nucleus was posted to send the reply to the user but could find the related X-COM data. X-COM nucleus ignores the post and continues to wait for requests.

Action   No action required.

XCO0016I   **Operator typed in: :1:.**

Explanation   Message confirming operator input.

Action   No action required.

XCO0019E   **X-COM parm list wrong.**

Explanation   The request or reply handler has returned inconsistent data. X-COM nucleus terminates abnormally.

Action   Contact Software AG support.

XCO0020I   **X-COM stopped**

Explanation   X-COM nucleus is calling the termination handler for shutdown

Action   No action required

XCO0021W   **This X-COM is no longer active**

Explanation   X-COM nucleus has successfully executed the termination handler

Action   No action required

XCO0022I   **X-COM cancel will proceed**

Explanation   The operator command XCANCEL to cancel Entire System Server was entered

Action   No action required

XCO0023I	X-COM halted
Explanation	The operator command XHALT was entered. This means that no more calls are possible, but the Entire System Server task is still available and can be restarted with the XSTART command
Action	No action required

XCO0024I	X-COM started
Explanation	The operator command XSTART was entered. This means that calls are now processed again
Action	No action required

XCO0025I	X-COM end will proceed
Explanation	The operator command XEND to end Entire System Server was entered
Action	No action required

XCO0026E	APPL stop error
Explanation	The shutdown handler has returned an error
Action	Contact Software AG support.

XCO0027E	Timer error
Explanation	Setup of timer services has failed. X-COM nucleus terminates abnormally
Action	Contact Software AG support.

XCO0028I	Number of active users = :1:
Explanation	Output of command XUSER reporting the current number of user requests
Action	No action required

XCO0029I	Highest number of active users = :1:
Explanation	Output of command XUSER reporting the highest number of user requests
Action	No action required

XCO0030I   **Number of active CQE-S = :1:.**

Explanation   Output of command XCQES reporting the current number of user requests.

Action   No action required.

XCO0031I   **Highest number of active CQE-S = :1:.**

Explanation   Output of command XCQES reporting the highest number of user requests.

Action   No action required.

XCO0032I   **Parameters for this session:.**

Explanation   Output of command XPARM.

Action   No action required.

XCO0033I   **SVC number = :1:.**

Explanation   Output of command XPARM reporting the used SVC number on z/OS or z/VSE.

Action   No action required.

XCO0034I   **Node number = :1:.**

Explanation   Output of command XPARM reporting the ESY node number.

Action   No action required.

XCO0035I   **CQE number = :1:.**

Explanation   Output of command XPARM reporting the startup parameter NCQE.

Action   No action required.

XCO0036I   **NAB number = :1:.**

Explanation   Output of command XPARM reporting the startup parameter NABS.

Action   No action required.

XCO0037I   **User-application = :1:.**

Explanation   Output of command XPARM reporting the name of MAIN function.

Action   No action required.

XCO0039I	**Total number of commands = :1:.**
Explanation	Output of command XSTAT reporting the accumulated number of received user requests.
Action	No action required.

XCO0041E	**Invalid operator command.**
Explanation	An invalid operator command was entered.
Action	Correct it.

XCO0043E	**Error during request of memory.**
Explanation	Not enough memory available. X-COM nucleus terminates abnormally.
Action	Please check your environment for available memory.

XCO0044E	**Error during release of memory.**
Explanation	Error in FREEMAIN/FREEVIS/RELM.
Action	Contact Software AG support.

XCO0045E	**OPER command init error.**
Explanation	Adabas operator command interface could not be established. X-COM nucleus terminates abnormally.
Action	Contact Software AG support.

XCO0046E	**Add CQHAECB error.**
Explanation	Adabas could not add the command queue to the ECB wait list. X-COM nucleus terminates abnormally.
Action	Contact Software AG support.

XCO0047E	**Add user ECB error.**
Explanation	Adabas could not add the user ECB to the ECB wait list. X-COM nucleus terminates abnormally.
Action	Contact Software AG support.

XCO0048E	WAIT error.
Explanation	The central wait routine has returned an unrecoverable error. X-COM nucleus terminates abnormally.
Action	Contact Software AG support.

XCO0050E	MPM20-error.
Explanation	The Terminate-Target call was unsuccessful. Shutdown will continue.
Action	Contact Software AG support.

XCO0051W	MPM08-error, user gone.
Explanation	The Get-User-Buffer call was unsuccessful. The user is probably not active any longer. Entire System Server purged this request from the queue.
Action	No action required.

XCO0052W	MPM12-error, user gone.
Explanation	The Post-User call was unsuccessful. The user is probably not active anymore. Entire System Server has purged this reply from the queue.
Action	No action required.

XCO0053W	MPM36-OK, user gone.
Explanation	The timeout call (TIME elapsed) for a user was successful. The user is probably not active anymore. Entire System Server has purged this reply from the queue.
Action	No action required.

XCO0054W	MPM36-error, user not gone.
Explanation	The timeout call (TIME elapsed) for a user was unsuccessful. Entire System Server has tried to purge the user, but the user fetched data back at the last moment.
Action	No action required.

XCO0055I	Node currently :1:.
Explanation	Output of command XSTAT. Possible value for :1: are ACTIVE (normal state) or HALTED (node is halted due to operator command XHALT).
Action	No action required.

XCO0057I	OPERATOR ENTRY :1:.
Explanation	Display operator entry status: active or inactive.
Action	No action required.

XCO0061W	CANNOT LOCATE SUBSYSTEM MODULE :1:.
Explanation	The loading of module :1: failed.
Action	Check and verify whether the module :1: is in the library concatenation. If not, add the appropriate library containing the module :1:. Restart Broker.

XCO0062W	Request for active user found, delete old user.
Explanation	There is already an active request for the user requesting a new call. The old session is queued for logoff and the new request has been assigned to a new session. The X-COM nucleus has removed the old resources used on the transport level.
Action	No action required.

XCO0063E	BAD PARM CARD: :1:.
Explanation	The parameter line :1: being currently processed is invalid.
Action	Correct the parameter line :1:. Restart Broker.

XCO0077I	Attached buffers above 16M line.
Explanation	Adabas Attached Buffers are allocated above the 16 MBytes line.
Action	No action required.

XCO0078E	No space for new user X-COM block.
Explanation	The number of free user X-COM blocks has been exceeded. This number depends on the NCQE parameter. Usually a command queue overflow will occur if the number of parallel user requests is exceeded. X-COM nucleus terminates abnormally due to data inconsistencies.
Action	Contact Software AG support.

XCO0080E	MPM24-error, environment not established.
Explanation	The Establish-Adabas-Environment call has failed. The Entire System Server terminates abnormally.
Action	Contact Software AG support.

XCO0081E	**MPM00-error, target not initialized.**
Explanation	The Initialize-Adabas-Target call has failed. The Entire System Server terminates abnormally.
Action	Contact Software AG support.

XCO0082I	**:1:.**
Explanation	TRACE data output.
Action	No action required.

XCO0083W	**Duplicate WAIT ECB. User cleaned up.**
Explanation	After successful return from request handler: The user was already waiting. The new request is accepted and the old command queue entry is purged. The old ECB is reused for the new request.
Action	No action required.

XCO0084W	**Multiple active requests. Delete old.**
Explanation	After successful return from reply handler: The command queue element of the user is not unique. Another element has been found with the same cross memory post information (z/OS only). The old request has been purged and the reply for the new request has been initiated. This occurs only if a task has been cancelled and immediately restarted and if the same ASCB has been reused.
Action	No action required.

XCO0085W	**Reply handling cancelled. Illegal ECB.**
Explanation	After successful return from reply handler: the reply cannot be delivered. The command queue element of the user is not unique. Another element has been found with the same cross-memory post information (z/OS only). The reply currently processed is obsolete and has been purged. This occurs only if a task has been cancelled and immediately restarted and if the same ASCB has been reused.
Action	No action required.

XCO0086I	**APPL ECB: :1:.**
Explanation	This message informs about the address of an Event Control Block. It will be issued only in conjunction with other messages.
Action	No action required.

XCO0087E	**MPM12-ERROR, CQE is not active.**
Explanation	Attempt to perform MPM12 function, but the command queue element (CQE) is not active.
Action	No action required.

XCO0088I	**Dead XCOM block killed.**
Explanation	XCOM user has gone away; so skip reply processing.
Action	No action required.

XCO0089E	**MPM36 impossible because CQE not active.**
Explanation	The MPM36 timeout function is skipped, since the command queue element (CQE) is not active.
Action	No action required.

XCO0091I	**SVC NOT SPECIFIED, SO THIS XCOM COMMAND IS NOT ALLOWED.**
Explanation	This informational message indicates that the XCOM operator command issued to the Broker is not allowed, since the Adabas SVC number for EntireX Broker access was set to zero in the startup parameters.
Action	No action required.

XCO0095E	**NCQE IS LOWER THAN NUM-WQE**
Explanation	The number of command queue entries (NCQE) specified is less than the number of work queue entries (NUM-WQE) requested. NCQE defines the number of requests active at one time using the NET transport. NUM-WQE defines the number of requests active at one time for all transports.
Action	Ensure that the value for the number of command queue entries (NCQE) is equal to or greater than the number of work queue entries (NUM-WQE). Restart Broker

XCO2001E	**Error during READ of startup parms.**
Explanation	Bad file format or I/O error during read of startup parameter file.
Action	Parameter file must be a SAM or an ISAM file with variable or fixed record length.

XCO2002E	**More than :1: parameter cards not possible.**
Explanation	The maximum number :1: of startup parms is exceeded.
Action	Reduce the number of startup parm cards in your parameter file. Check the default values of the parameters to avoid setting the values explicitly.

XCO2003E	**LOAD for module :1: failed - abend.**
Explanation	Module :1: could not be found. You need Entire System Server or Adabas libraries with module :1: to start the Entire System Server.
Action	Copy the missing module into your library and start the Entire System Server again. Do not rename modules in the load libraries, e.g. from NAME to NAME.OLD. It could create problems during load.

XCO2004E	**X-COM abended.**
Explanation	An unrecoverable error has occurred. X-COM terminates abnormally.
Action	Look at the previous error messages of X-COM.

XCO2005E	**Wrong X-COM parameter :1:.**
Explanation	An invalid value for :1: was specified in startup parameters.
Action	Verify Entire System Server startup parameter :1: and set a proper value.

XCO2006E	**ADAMPM - wrong version found.**
Explanation	The loaded module ADAMPM has a wrong version.
Action	Check your Adabas library or contact Software AG.

XCO2007E	**BS2000 V.2 or above is required.**
Explanation	The Entire System Server is compiled for BS2000 Version 2 or above. It cannot run on OSD Version 1 or below.
Action	Upgrade of BS2000 is required.

XCO2008E	**MPM12-error, CQE is not active.**
Explanation	The Post-User call has been rejected due to bad status of command queue element. The reply cannot be delivered.
Action	No action required.

XCO2009E	**MPM36 impossible because CQE not active.**
Explanation	The timeout call (TIME elapsed) has been rejected due to bad status of command queue element.
Action	No action required.

XCO2010E	**Macro :1: RC :2:.**
Explanation	The BS2000 macro :1: has returned an error. :2: contains the return code. X-COM nucleus terminates abnormally.
Action	Contact Software AG support if return code does not explain the problem.

XCO2011E	**MAIN MP - Macro :1: RC :2:.**
Explanation	The ESY MAIN memory pool creation has been aborted. The BS2000 macro :1: has returned an error. :2: contains the return code. X-COM nucleus terminates abnormally.
Action	Contact Software AG support if return code does not explain the problem.

XCO2012E	**STACK FAILURE in function :1:.**
Explanation	The internal stack is corrupted. :1: identifies the failed function. X-COM nucleus terminates abnormally.
Action	Contact Software AG support.

XCO2013E	**Incompatible Adabas version detected.**
Explanation	This version of Adabas is no longer supported. An XS-enabled library is required to run with Entire System Server. X-COM nucleus terminates abnormally.
Action	Upgrade of Adabas is required.

XCO2014E	**MAIN MP - Requested space exceeded.**
Explanation	The allocated memory size is not sufficient to contain all required data structures of Entire System Server. X-COM nucleus terminates abnormally.
Action	Contact Software AG support.

XCO2015E	**Unrecoverable error in function :1:.**
Explanation	A function called by the X-COM nucleus has returned an error response. :1: identifies the called function. X-COM nucleus terminates abnormally.
Action	Contact Software AG support.

74 Component Return Codes in EntireX

This section provides information on codes returned to the operating system by the EntireX Broker job or EntireX RPC Server at shutdown.

01	Return Code
Explanation	During startup, the broker detected a create error when invoking the z/OS Name/Token Services facility. The Broker is immediately shutdown.
Action	Ensure that the z/OS Name/Token services facility is available on the version of the z/OS operating system that is running. Also, examine the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

02	Return Code
Explanation	During broker startup an error has been detected attempting to open the data set referenced by the `SYSPRINT` DD statement. The attempted output from the echo of the broker startup parameters, the persistent store parameters, and the broker attribute file parameters to the data set referenced by the `SYSPRINT` DD statement failed.
Action	Examine the `SYSPRINT` DD statement, the EntireX Broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

03	Return Code
Explanation	During broker startup, at least one error has been detected in the persistent store component.
Action	Examine the output referenced by the `SYSPRINT` DD statement as well as the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

04   **Return Code**

Explanation	During broker startup, at least one error was detected in the broker startup parameters.
Action	Examine the output referenced by the `SYSPRINT` DD statement as well as the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

05   **Return Code**

Explanation	During broker startup, the broker persistent store parameters were not specified.
Action	The broker persistent store parameters need to be specified in the input data set referenced by the `SYSIN` DD statement.

06   **Return Code**

Explanation	During broker startup, an error has been detected in the broker persistent store parameters.
Action	Examine the output referenced by the `SYSPRINT` DD statement as well as the broker log data set and the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

07   **Return Code**

Explanation	During broker startup, the broker detected a create error when invoking the z/OS Name/Token Services facility in the persistent store component. The broker is immediately shutdown.
Action	Ensure that the z/OS Name/Token services facility is available on the version of the z/OS operating system that is running. Also, examine the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

08   **Return Code**

Explanation	During startup, the broker detected an initialization error. The broker is immediately shutdown.
Action	Examine the broker log data set and the operating system log as well as the output referenced by the `SYSPRINT` DD statement. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

09   **Return Code**

Explanation   During startup, the broker detected a storage error in the persistent store component. The broker is immediately shutdown.

Action   Examine the output referenced by the SYSPRINT DD statement as well as the broker log data set and the operating system log. Increase the region size for the EntireX Broker job. Correct any errors and restart the broker. If the cause cannot be determined, contact Software AG support.

10   **Return Code**

Explanation   During shutdown, the broker detected a delete error when invoking the z/OS Name/Token Services facility. The broker is immediately shutdown.

Action   Ensure that the z/OS Name/Token services facility is available on the version of the z/OS operating system that is running. Also, examine the operating system log. Correct the error and restart the broker. If the cause cannot be determined, contact Software AG support.

11   **Return Code**

Explanation   During startup, the broker detected that the load libraries are not all APF-authorized in z/OS.

Action   Ensure that all the data sets referenced by the STEPLIB DD statement have been APF authorized in z/OS. Check the spelling of the data set names for accuracy. Correct any error and restart the broker. If the cause cannot be determined, contact Software AG support.

0   **Return Code**

Explanation   RPC server was successful.

1   **Return Code**

Explanation   Windows specific: one of the required shared libraries (.DLL) could not be found.

4

Explanation   Minor Trouble - RPC server continues.

- At least 1 worker terminated unsuccessfully because of server (implemented by user and called by RPC server) malfunction.

- Parameters inconsistent - being repaired.

8	**Return Code**
Explanation	RPC server stopped.

- Not even 1 worker could be started.
- Stopped because EntireX Broker unavailable.
- Problems during shutdown processing.

12	**Return Code**
Explanation	Parameter Trouble - RPC server could not be started.

- Inconsistent parameters specified or not found.
- Usage error.

16	**Return Code**
Explanation	Serious Trouble.

- Problems with underlying operating system.
- Problems with EntireX RPC Runtime.

75   Broker Command and Information Services Error Codes

This chapter contains error codes for the Command and Information Services of EntireX Broker.

See also *Broker ACI Fields | Broker ACI Functions | Broker CIS Data Structures*.

Broker Command Service

Error Code	Description
0	Successful response.
2	Invalid `VERSION`.
3	`OBJECT-TYPE` is missing.
5	Invalid `OBJECT-TYPE`.
20	The user is not authorized to issue Broker commands.
21	Invalid `COMMAND`.
22	Invalid `OPTION`.
23	Shutdown possible for servers only.
24	Participant not found.
25	Purge UOW failed.
26	User specification must be unique.
27	Topic name must be specified.
30	User must be specified.
31	Class/Server/Service must be unique.
33	Class or User must be specified.
34	Set command log filter failed.
35	Clear command log filter failed.
36	Enable command log filter failed.
37	Disable command log filter failed.
38	Switch command log files failed.
39	Set security trace level failed.
40	Set PSTORE (PSF) trace level failed.
41	Enable command logging failed.
42	Disable command logging failed.
43	Connect PSTORE failed.
44	Disconnect PSTORE failed.
45	Allow new UOW messages failed.
46	Forbid new UOW messages failed.
47	Enable accounting failed.

Error Code	Description
48	Disable accounting failed.
49	Reset user failed.
50	Command refused in current `RUN-MODE`.
51	Service must be specified.
52	Service not found.
53	`CONVID` must be specified.
54	Conversation not found.
55	Cannot inhibit Conversation.
56	Only supported for messages.
57	Cannot lock Conversation.
58	Not for currently running Conversation.
59	Security violation detected.
60	Invalid transport ID.
61	Cannot execute command.
62	Command ignored. Only one Communicator left.
63	Command ignored. Cannot stop all Communicators.
64	Communicator currently not suspended.
65	Communicator currently not stopped.
66	Communicator currently not active.
67	Enable Dynamic Worker Management failed.
68	Disable Dynamic Worker Management failed.
69	Transport reserved for Broker Service.
70	`TRACE-FLUSH` failed.

Broker Information Services

Error Code	Description
0	Successful response.
1	Invalid `BLOCK-LENGTH`.
2	Invalid `VERSION`.
3	`OBJECT-TYPE` is missing.
4	Nothing was found for this request.
5	Invalid `OBJECT-TYPE`.

Error Code	Description
6	Invalid `INFO-LEVEL`.
7	`BLOCK-LENGTH` too short for `OBJECT-TYPE`.
8	User selection must be unique.
9	Service selection must be unique.
10	Topic name must be specified.
11	PUID not possible with information level `SHORT`. See `level`.

76 EXXMSG - Command-line Tool for Displaying Error Messages

`EXXMSG` is a command-line tool that displays the text of an EntireX error message for a supplied error number. It is available on all platforms.

Running the EXXMSG Command-line Utility

Under z/OS, command-line utility `EXXMSG` is located in library EXB105.LOAD. Under UNIX and Windows, the utility is located in the EntireX *bin* directory.

Command-line Parameters

The only command-line parameter is any 8-digit error code.

Sample Command

```
exxmsg 02150148
```

Sample Output

```
Software AG webMethods EntireX 9.0.0 (473) Linux 3.1.10-1.16-desktop
(c) Copyright 1997 - 2012 Software AG. All rights reserved.

02150148    EntireX Broker not active : (or Transport-Specific Error Text)
Explanation The requested Broker specified in BROKER-ID is not reachable.
Action      Check the BROKER-ID. If it is correct, check if ETB_TRANSPORT
            environment variable is defined and if defined, it should point to
            the desired transport method. If problem persists, contact your
            network administrator.
```

77 Administration Service Messages

Administration Service messages are generated by the Administration Service and are passed to Command Central.

Running: unmanaged Broker with restricted access

Explanation	A broker was started manually. Its attribute file is not in a working directory under the EntireX directory *config/etb*. Only limited administration is possible on this broker. It is only possible to stop the broker.

Timeout: Check remote Broker or remote firewall definitions

Explanation	A remote broker is not accessible. The timeout problem occurs, for example, on Windows machines where the port used by the broker has not been opened up in the firewall. If the broker has not been started, the timeout problem does not occur in the case of a port that has been opened up in the firewall. The firewall issues a negative answer to a failed connection attempt.
	Alternatively, program `etbnuc` can be defined in the firewall, but then the timeout error occurs if the broker has not been started. The firewall does not send a reply to a failed connection attempt.

ETBD0280	**Function Entered**
Explanation	This message is written to the log data set when tracing is set to a trace level greater than 1. An EntireX Broker internal function module is entered.
Action	This message is for diagnostic purposes only.

Running with errors: Check log file

Explanation	The broker was able to be started successfully, but not all attributes defined in the attribute file could be activated. For example, not all ports defined in attribute file could be activated when the broker was started. The broker log file contains more detailed information on the problem.
Action	Check the log file.

Running: Must set user credentials
Stopped: Must set user credentials
Running: missing credentials, please enter credentials
Running: wrong credentials, please enter credentials

Explanation	User credentials for a secure broker or a remote broker are not available or they are invalid.
Action	Enter valid user credentials in Command Central.

Running: Must set SSL parameters
Stopped: Must set SSL parameters

Explanation	The SSL parameters of a remote broker are invalid and must be specified. The input field in Command Central contains the default value, which is the certificate from the working directory of the broker. If the SSL certificate of the remote broker has been exchanged on the remote machine, the corresponding new SSL certificate must also be made available in the local working directory *config/etb/RB.<RemoteBrokerName>*.

Broker not running or invalid SSL parameters

Explanation	This is a status message for a remote broker. Either the broker was not started, or its SSL parameters are invalid.
Action	Start the broker or specify valid SSL parameters. See also "Running: Must set SSL parameters" or "Stopped: Must set SSL parameters".