
GRID AUTOMATION PRODUCTS

MicroSCADA X SYS600 10.2

Status Codes





Document ID: 1MRK 511 480-UEN
Issued: March 2021
Revision: A
Product version: 10.2

© 2021 Hitachi Power Grids. All rights reserved.

Table of contents

Section 1	Copyrights.....	5
Section 2	Introduction.....	7
2.1	This manual.....	7
2.1.1	Status Codes.....	7
2.2	Use of symbols.....	7
2.3	Intended audience.....	8
2.4	Related documents.....	8
2.5	Document conventions.....	8
2.6	Document revisions.....	8
Section 3	Handling errors.....	9
3.1	Reliability of data.....	9
3.2	SCIL errors.....	9
3.3	System messages.....	10
3.4	Grouping of status codes.....	11
3.4.1	Reliability of Data.....	11
3.4.2	Base System Status Codes.....	11
3.4.3	NET Status Codes.....	11
3.4.4	Status Codes Transmitted by NET to External Devices.....	13
3.4.5	Operating System Status Codes.....	13
3.4.6	Data Transfer Status Codes.....	13
3.4.7	Status Codes Transmitted by NET to External Devices.....	13
Section 4	Status Codes.....	15
4.1	About this section	15
4.2	Reliability of Data.....	15
4.2.1	OK Status Code.....	15
4.2.2	Almost OK Status Codes.....	15
4.2.3	Common Non-Valid Status Codes.....	16
4.3	Base System Status Codes.....	16
4.3.1	SCIL Language (SCIL) Error Codes.....	16
4.3.2	Picture Handling (PICO) Status Codes.....	31
4.3.3	Report Database (REPF and REPR) Status Codes.....	33
4.3.4	Process Database (PROF and TOPO) Status Codes.....	37
4.3.5	NET Interface (NETI) Status Codes.....	50
4.3.6	Picture Database (PICF) Status Codes.....	50
4.3.7	Picture Graphics (PICO) Status Codes.....	50
4.3.8	File Handling (FILE) Status Codes.....	52
4.3.9	OPC Data Access Server (OPCS) Status Codes.....	53
4.3.10	Printer Spooler (PRIN) Status Codes.....	53
4.3.11	System (SYST) Status Codes.....	53

4.3.12	User Account and Session Management (USER) Status Codes.....	61
4.3.13	TCP/IP (INPC) Status Codes.....	63
4.3.14	OPC Data Access Client (OPCC) Status Codes.....	63
4.3.15	OpenSSL (OSSL) Status Codes.....	63
4.4	NET Status Codes.....	64
4.4.1	Common NET Status Codes.....	64
4.4.2	Redundant Frontend Status Codes.....	64
4.4.3	Errors in ACP Message Structure.....	65
4.4.4	Common NET Application Layer Status Codes.....	65
4.4.5	System Process Status Codes.....	66
4.4.6	STA Device Status Codes (ANSI X3.28).....	66
4.4.7	STA Device, Message Split Status Codes (ANSI X3.28).....	69
4.4.8	SID Devices Status Codes (ADLP80/180 slave).....	69
4.4.9	SIN Devices Status Codes (ADLP180 master).....	70
4.4.10	RTU Device Status Codes (RP570 master).....	71
4.4.11	RTU Device, Terminal Status Codes (RP570 master).....	73
4.4.12	PCL Device Status Codes (P214).....	75
4.4.13	SAT Device Status Codes (COMLI slave).....	76
4.4.14	BAG Device Status Codes (INSUM master).....	76
4.4.15	LCU Device Status Codes (LCU500 master).....	76
4.4.16	PAC Device Status Codes.....	78
4.4.17	PRI Device Status Codes (ASCII printer).....	78
4.4.18	SPA Device Status Codes (SPA master).....	79
4.4.19	BPO (Bit Pad One) Device Status Codes.....	80
4.4.20	REX Device Status Codes (LON).....	80
4.4.21	LMK Device Status Codes (LON).....	82
4.4.22	SPI device status codes (RP570 slave).....	83
4.4.23	MON (Monitor) Device Status Codes.....	84
4.4.24	ADE Device Status Codes (General ASCII).....	84
4.4.25	PCO Device Status Codes (RCOM master).....	84
4.4.26	WES Device Status Codes (Westinghouse F4F slave).....	85
4.4.27	ATR Device Status Codes (Alpha/IEC1107).....	86
4.4.28	PLC Device Status Codes (General PLC/Modbus).....	86
4.4.29	ICC Device Status Codes (IEC60870-5-101/103/104).....	87
4.4.30	DNP Device Status Codes (DNP 3.0).....	90
4.4.31	NET Network Layer Status Codes.....	92
4.4.32	ICCP Status Codes (IEC 60870-6).....	94
4.4.33	IEC6 Status codes (IEC61850 Server).....	96
4.4.34	Common NET Link Layer Status Codes.....	98
4.4.35	ANSI X3.28 Full Duplex Protocol Status Codes (XF).....	99
4.4.36	ANSI X3.28 Half Duplex Protocol Status Codes (XH).....	100
4.4.37	ADLP80 Slave Protocol Status Codes (AD).....	100
4.4.38	ADLP180 Slave Protocol Status Codes (AL).....	100
4.4.39	RP570 Slave Protocol Status Codes (RP).....	100
4.4.40	Common RAM Protocol Status Codes (RM).....	101
4.4.41	Integrated Link Status Codes (IL).....	101

4.4.42	LAN Link Status Codes (LN).....	101
4.4.43	On Line Configuration Errors in NETC Modules.....	101
4.4.44	Auto Dialling Status Codes.....	103
4.4.45	COM-1 Protocol Status Codes (CO).....	104
4.4.46	RP570 Master Protocol Status Codes (SR).....	104
4.4.47	P214 Master Protocol Status Codes (PR).....	105
4.4.48	FT1.2 Framing Status Codes (TC).....	105
4.4.49	INSUM Master Protocol Status Codes (IS).....	105
4.4.50	COMLI Slave Protocol Status Codes (CL).....	106
4.4.51	LCU500 Master Protocol Status Codes (LC).....	106
4.4.52	ADLP180 Master Protocol Status Codes (AM).....	106
4.4.53	SPA Master Protocol Status Codes (SP).....	106
4.4.54	General ASCII Protocol Status Codes (AG).....	107
4.4.55	RCOM Master Protocol Status Codes (PC).....	107
4.4.56	Westinghouse F4F Slave Protocol Status Codes (WE).....	107
4.4.57	Alpha Protocol Status Codes (AT).....	107
4.4.58	IEC1107 Protocol Status Codes (IE).....	108
4.4.59	General PLC/Modbus Protocol Status Codes (PG).....	108
4.4.60	LON Protocol Status Codes (LO).....	108
4.4.61	IEC60870-5-101/103 Protocol Status Codes (IG).....	109
4.4.62	DNP 3.0 Protocol Status Codes (DG).....	110
4.4.63	LAN Link Status Codes (LN).....	110
4.4.64	IEC60870-5-104 Protocol Status Codes (IT).....	110
4.4.65	PLC2 Error Codes (biased by 20000).....	111
4.4.66	NET Node Status codes for CPI-applications.....	111
4.4.67	SCA TLS Error Codes.....	112
4.5	Operating System Status Codes.....	119
4.5.1	Win32 Error Codes.....	119
4.6	Data Transfer Status Codes.....	172
4.6.1	DDE Status Codes.....	172
4.6.2	ODBC Status Codes.....	172
4.6.3	ODBC Error Codes.....	173
4.7	Status Codes Transmitted by NET to External Devices.....	174
4.7.1	Status Codes Transmitted by NET to a PLC.....	174

Section 1 Copyrights

The information in this document is subject to change without notice and should not be construed as a commitment by Hitachi Power Grids. Hitachi Power Grids assumes no responsibility for any errors that may appear in this document.

In no event shall Hitachi Power Grids be liable for direct, indirect, special, incidental or consequential damages of any nature or kind arising from the use of this document, nor shall Hitachi Power Grids be liable for incidental or consequential damages arising from the use of any software or hardware described in this document.

This document and parts thereof must not be reproduced or copied without written permission from Hitachi Power Grids, and the contents thereof must not be imparted to a third party nor used for any unauthorized purpose.

The software or hardware described in this document is furnished under a license and may be used, copied, or disclosed only in accordance with the terms of such license.

© 2021 Hitachi Power Grids. All rights reserved.

Trademarks

ABB is a registered trademark of ABB Asea Brown Boveri Ltd. Manufactured by/for a Hitachi Power Grids company. All other brand or product names mentioned in this document may be trademarks or registered trademarks of their respective holders.

Guarantee

Please inquire about the terms of guarantee from your nearest Hitachi Power Grids representative.

Third Party Copyright Notices

List of Third Party Copyright notices are documented in "3rd party licenses.txt" and other locations mentioned in the file in SYS600 and DMS600 installation packages.

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<https://www.openssl.org/>). This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Section 2 Introduction

2.1 This manual

This manual provides information on errors, which might appear in the SYS600 system. The manual provides general advices and lists the status codes with some explanations.

2.1.1 Status Codes

Handling error situations, system events and data reliability in SCIL is based on status codes. Status codes are positive integers with descriptive names, for example 188 = SCIL_UNDEFINED_VARIABLE. A status code may be generated, for example, in the following situations:

- A SCIL statement has a syntax error
- A station is suspended due to a communication disturbance
- An incorrect value is set to an attribute of an application object

Status codes are classified into two main categories: base system status codes and NET status codes. Base system status codes include the codes related to SCIL execution, base system and data bases. NET status codes include the codes related to communication via an NET unit.

2.2 Use of symbols

This publication includes warning, caution and information symbols where appropriate to point out safety-related or other important information. It also includes tips to point out useful hints to the reader. The corresponding symbols should be interpreted as follows:



Warning icon indicates the presence of a hazard which could result in personal injury.



Caution icon indicates important information or a warning related to the concept discussed in the text. It might indicate the presence of a hazard, which could result in corruption of software or damage to equipment/property.



Information icon alerts the reader to relevant factors and conditions.



Tip icon indicates advice on, for example, how to design a project or how to use a certain function.

Although warning hazards are related to personal injury, and caution hazards are associated with equipment or property damage, it should be understood that operation of damaged equipment could, under certain operational conditions, result in degraded process performance leading to personal injury or death. Therefore, comply fully with all warnings and caution notices.

2.3 Intended audience

This manual is intended for installation personnel, administrators and skilled operators to support installation of the software.

2.4 Related documents

This manual is a part of the SYS600 User Manuals. In addition to this manual there are several other SYS600 manuals published with version 10.2.

2.5 Document conventions

The following conventions are used for the presentation of material:

- The words in names of screen elements (for example, the title in the title bar of a dialog, the label for a field of a dialog box) are initially capitalized.
- Capital letters are used for file names.
- Capital letters are used for the name of a keyboard key if it is labeled on the keyboard. For example, press the CTRL key. Although the Enter and Shift keys are not labeled they are written in capital letters, for example, press ENTER.
- Lowercase letters are used for the name of a keyboard key that is not labeled on the keyboard. For example, the space bar, comma key and so on.
- Press CTRL+C indicates that the user must hold down the CTRL key while pressing the C key (in this case, to copy a selected object).
- Press ALT E C indicates that the user presses and releases each key in sequence (in this case, to copy a selected object).
- The names of push and toggle buttons are boldfaced. For example, click **OK**.
- The names of menus and menu items are boldfaced. For example, the **File** menu.
 - The following convention is used for menu operations: **Menu Name Menu Item Cascaded Menu Item**. For example: select **File Open New Project**.
 - The **Start** menu name always refers to the **Start** menu on the Windows Task Bar.
- System prompts/messages and user responses/input are shown in the Courier font. For example, if the user enters a value that is out of range, the following message is displayed: Entered value is not valid.
- The user may be told to enter the string MIF349 in a field. The string is shown as follows in the procedure: MIF349
- Variables are shown using lowercase letters: sequence name

2.6 Document revisions

Revision	Version number	Date	History
A	10.2	31.03.2021	New document for SYS600 10.2

Section 3 Handling errors

The status codes are positive integers with descriptive names. The purpose of status codes are:

- To show the reliability of calculated data and process data
- To inform about errors that occur during the execution of SCIL programs and evaluation of SCIL expressions
- To inform an application of certain events taking place in the process communication system or in the communication units

3.1 Reliability of data

In SCIL, each evaluated expression gets a status code, which indicates the reliability of the value. As a rule, the status code is determined by the most unreliable operand included in the expression. Data written by the programmer or entered by the user always has the status code 0. An unreliable status code may be caused by a process object or data object value with a bad status (OS attribute). It may also be caused by some operators when the operands do not match and by some SCIL functions.

The status code of an application object value is the value of the OS attribute of the object. For process and data objects the code indicates the reliability of the OV attribute. For command procedures it indicates the success of the latest program execution.

The OS attribute of a process object is updated at each updating of the OV value in the process database. Process objects can be assigned the status codes 0, 1, 2, 3 and 10. OS is updated by the base system, which determines the status code based on the system messages sent by NET.

The status code of a process object affects the status codes of the data objects that use the process object value in their expressions. If the logging function (LF attribute) is DIRECT, the status code for the process object is copied to the status code of the data object.

The status code of an expression can be read with the SCIL function GET_STATUS and written with the function SET_STATUS.

3.2 SCIL errors

A SCIL error is usually caused by a syntax error in the program, but it may also be caused, for example, by a database error or a communication error during the execution of a SCIL program.

Depending on the error handling policy defined by using the #ERROR command, the error may cause:

- An error message or activation of an error handling program (CONTINUE, STOP)
- An immediate stop of the program execution (STOP, EVENT)
- No action (IGNORE)

For more information on error handling policies see the #ERROR command in the Programming Language SCIL manual.

An error handling program allows for building procedures handling error messages. If the error handling policy is CONTINUE or STOP, a SCIL error generates a standard error message unless defined otherwise in an error handling program.

Errors in Visual SCIL dialogs are shown in the Error Viewer by default. The Error Viewer shows the status code, the line in the program where the error occurred and the error state.

When the pictures are shown on the screen, the status codes are part of standard error messages written on the top line of the application window. This is done unless no other ways to handle error messages are defined in the named program called ERROR_HANDLER. These error messages have the following format:

code1 code2 SCIL STATEMENT OR EXPRESSION

The 'code1' states roughly in which circumstances the error occurred. This code is always a picture handling code (801 ... 999). The 'code2' specifies the error more accurately. The SCIL statement or expression that caused the error message is usually, but not always, shown and the error is marked to help to correct it.

A status code may also appear in a message shown in the SYS600 Notification Windows. Usually the message refers to errors in command procedures or in system configuration. In some cases it is the result of errors in the report database, the process database, the file handling or the operating system interface.

Normally, the message in the Notification Window has the following format:

time module: object name or message	STATUS = code
SCIL STATEMENT OR EXPRESSION	

The message is displayed in all active SYS600 Notification Windows connected to the base system that generates the message. The message is also stored in a file in the base system computer. The file is located in the \SC\SYS\ACTIVE\SYS_ directory and has the name SYS_LOG.CSV.

3.3 System messages

System messages are internal SYS600 messages sent to one or several applications. Most system messages are status codes generated by NET. Some station types (STY objects) may also generate codes sent as system messages.

By means of certain communication system object attributes (SE, MS, MI, CA), the system messages can be directed to the chosen applications and process objects. By defining process objects for receiving the system messages, the programmer can define various consequential actions to be activated at certain system message codes. This kind of action could be for example a request for a line switch when the status sent by the main communication line indicates a communication disturbance.

The current status of some communication system objects can be read by reading the value of the OS attribute of the object. Setting the OS attribute forces the object to retransmit its current status as a system message.

After a system message, which indicate that connection to a station has been broken, all process objects belonging to that station will get obsolete status, i.e. the value of their OS attribute will be 2.

3.4 Grouping of status codes

Status code 0 is the OK status indicating that no error has occurred. Codes 1 to 9 are warning, or almost OK, status codes. A value with an almost OK status can be used in expressions without an error, but the result of the expression gets a non-zero status. The codes 10 ... 10 000 are mainly error codes. The codes from 10 001 upwards indicate partly errors, partly system messages.

Note that some of the status codes are used with other operating systems than Windows and older versions of the product. They are still included in this manual to facilitate debugging of systems comprising of these different components.

The status codes are grouped into the following groups:

3.4.1 Reliability of Data

0	OK Status Code
1 ... 9	Almost OK Status Codes
10 ...	Common Non-Valid Status Codes

3.4.2 Base System Status Codes

101 ... 799	SCIL Language (SCIL) Error Codes
801 ... 999	Picture Handling (PICO) Status Codes
1001 ... 1999	Report Database (REPF and REPR) Status Codes
2001 ... 2999	Process Database (PROF and TOPO) Status Codes
3001 ... 3099	NET Interface (NETI) Status Codes
4001 ... 4199	Picture Database (PICF) Status Codes
4201 ... 4299	Picture Graphics (PICO) Status Codes
5001 ... 5099	File Handling (FILE) Status Codes
5501 ... 5599	OPC Data Access Server (OPCS) Status Codes
6101 ... 6199	Printer Spooler (PRIN) Status Codes
7001 ... 7999	System (SYST) Status Codes
8001 ... 8099	User Account and Session Management (USER) Status Codes
8301 ... 8399	TCP/IP (INPC) Status Codes
8401 ... 8499	OPC Data Access Client (OPCC) Status Codes

3.4.3 NET Status Codes

10001 ... 10009	Common NET Status Codes
10500 ... 10514	Redundant Frontend Status Codes
11001 ... 11033	Errors in ACP Message Structure
12002 ... 12023	Common NET Application Layer Status Codes
12101 ... 12106	System Process Status Codes
12301 ... 12399	STA Device Status Codes (ANSI X3.28)
12401 ... 12410	STA Device, Message Split Status Codes (ANSI X3.28)

Table continues on next page

12450 ... 12487	SID Devices Status Codes (ADLP80/180 slave)
12501 ... 12585	SIN Devices Status Codes (ADLP180 master)
12601 ... 12693	RTU Device Status Codes (RP570 master)
12701 ... 12789	RTU Device, Terminal Status Codes (RP570 master)
12801 ... 12831	PCL Device Status Codes (P214)
12851 ... 12873	SAT Device Status Codes (COMLI slave)
12901 ... 12910	BAG Device Status Codes (INSUM master)
12950 ... 12999	LCU Device Status Codes (LCU500 master)
13001 ... 13023	PAC Device Status Codes
13101 ... 13126	PRI Device Status Codes (ASCII printer)
13201 ... 13260	SPA Device Status Codes (SPA master)
13302 ... 13306	BPO (Bit Pad One) Device Status Codes
13272 ... 13371	REX Device Status Codes (LON)
13401 ... 13444	LMK Device Status Codes (LON)
13450 ... 13499	SPI device status codes (RP570 slave)
13501 ... 13504	MON (Monitor) Device Status Codes
13551 ... 13553	ADE Device Status Codes (General ASCII)
13601 ... 13636	PCO Device Status Codes (RCOM master)
13651 ... 13679	WES Device Status Codes (Westinghouse F4F slave)
13751 ... 13762	ATR Device Status Codes (Alpha/IEC1107)
13800 ... 13840	PLC Device Status Codes (General PLC/Modbus)
13851 ... 13889	ICC Device Status Codes (IEC60870-5-101/103/104)
13901 ... 13954	DNP Device Status Codes (DNP 3.0)
14001 ... 14088	NET Network Layer Status Codes
14200 ... 14270	ICCP Status Codes (IEC 60870-6)
14300 ... 14370	IEC6 Status Codes (IEC 61850 Server)
16001 ... 16048	Common NET Link Layer Status Codes
16101 ... 16109	ANSI X3.28 Full Duplex Protocol Status Codes (XF)
16201 ... 16213	ANSI X3.28 Half Duplex Protocol Status Codes (XH)
16250 ... 16252	ADLP80 Slave Protocol Status Codes (AD)
16270 ... 16272	ADLP180 Slave Protocol Status Codes (AL)
16280 ... 16284	RP570 Slave Protocol Status Codes (RP)
16301 ... 16303	Common RAM Protocol Status Codes (RM)
16311 ... 16313	Integrated Link Status Codes (IL)
16320 ... 16327	LAN Link Status Codes (LN)
16600 ... 16653	On Line Configuration Errors in NETC Modules
16700 ... 16735	Auto Dialling Status Codes
16750 ... 16759	COM-1 Protocol Status Codes (CO)
16801 ... 16828	RP570 Master Protocol Status Codes (SR)
16851 ... 16861	P214 Master Protocol Status Codes (PR)
16901 ... 16901	FT1.2 Framing Status Codes (TC)
16950 ... 16956	INSUM Master Protocol Status Codes (IS)
17001 ... 17004	COMLI Slave Protocol Status Codes (CL)
17101 ... 17113	LCU500 Master Protocol Status Codes (LC)

Table continues on next page

17151 ... 17159	ADLP180 Master Protocol Status Codes (AM)
17201 ... 17233	SPA Master Protocol Status Codes (SP)
17251 ... 17260	General ASCII Protocol Status Codes (AG)
17301 ... 17327	RCOM Master Protocol Status Codes (PC)
17351 ... 17354	Westinghouse F4F Slave Protocol Status Codes (WE)
17401 ... 17410	Alpha Protocol Status Codes (AT)
17450 ... 17458	IEC1107 Protocol Status Codes (IE)
17500 ... 17520	General PLC/Modbus Protocol Status Codes (PG)
17550 ... 17556	LON Protocol Status Codes (LO)
17600 ... 17620	IEC60870-5-101/103 Protocol Status Codes (IG)
17650 ... 17700	DNP 3.0 Protocol Status Codes (DG)
17750 ... 17752	LAN Link Status Codes (LN)
17800 ... 17820	IEC60870-5-104 Protocol Status Codes (IT)
20000 ... 20176	PLC2 Error Codes (biased by 20000)
30000 ... 30014	NET Node Status Codes for CPI-applications
2000 ... 2700	SCA TLS Error Codes

3.4.4 Status Codes Transmitted by NET to External Devices

3.4.5 Operating System Status Codes

Win32 Error Codes

3.4.6 Data Transfer Status Codes

DDE Status Codes
ODBC Status Codes
ODBC Error Codes

3.4.7 Status Codes Transmitted by NET to External Devices

Status Codes Transmitted by NET to a PLC

Section 4 Status Codes

4.1 About this section

In this section all SYS600 status codes are listed. Some possible reasons why these status codes appear are also presented. Status codes are divided into the following sections:

- [Section 4.2](#) Reliability of Data: Status codes that indicate reliability of data.
- [Section 4.3](#) Base System Status Codes: Status codes that are related to the base system.
- [Section 4.4](#) NET Status Codes: Status codes that are related to communication and NET units.
- [Section 4.5](#) Operating System Status Codes: Operating system status codes
- [Section 4.6](#) Data Transfer Status Codes: Data transfer status codes
- [Section 4.7](#) Status Codes Transmitted by NET to External Devices: Status codes transmitted by a NET unit to external devices

4.2 Reliability of Data

4.2.1 OK Status Code

0	OK_STATUS
---	-----------

4.2.2 Almost OK Status Codes

1	SUSPICIOUS_STATUS
---	-------------------

The reason why the value is uncertain may be:

- The value of a data object is uncertain, if the sampling has failed and the logging function is other than DIRECT or COPY
- The element in the vector resulting from the vector functions HIGH, LOW, SUM and MEAN has status 1, if not all elements in the argument vector have status code 0 or 3
- An element in the vector obtained with the vector function CUMULATE has this status, if not all elements used for calculating it have status 0
- If a vector operation is done and the operands do not have the same number of elements, the results of odd elements get this status
- If not all elements in a vector operation or function have status 0, the resulting element gets status 1
- A process object gets this status when the RTU has marked the process object value faulty

2	OBSOLETE_STATUS
---	-----------------

The OV-attribute (BI, BO, AI, AO, DI, DO, DB, PC or BS) gets this status when the connection to the RTU has been lost. This status code indicates that the value of the OV-attribute may be out of date.

3	FAULTY_TIME_STATUS
---	--------------------

A process object gets this status when the RTU has not marked the registration time correctly.

4	AMBIGUOUS_TIME_STATUS
---	-----------------------

Table continues on next page

Local time represents a time that may be either standard or daylight saving time.

9 LAST_VALID_STATUS

The highest status code number that is considered valid.

4.2.3 Common Non-Valid Status Codes

10 NOT_SAMPLED_STATUS

The reasons may be:

- The value of the process object has not been received from the station
- The value of the data object has not been calculated
- The vector element has not got any value
- The element(s) in the result vectors from the functions HIGH, LOW, SUM, MEAN and CUMULATE get the status 10, if all elements of the argument vector have status codes=10

4.3 Base System Status Codes

4.3.1 SCIL Language (SCIL) Error Codes

101	SCIL_PROPAGATED_ERROR
102	SCIL_ARGUMENT_LIST_EXPECTED
103	SCIL_END_OF_SEQUENCE
104	SCIL_PROPAGATE_LOOP_EXIT
105	SCIL_QUIT_PROGRAM
106	SCIL_BIT_INDEX_OUT_OF_RANGE The bit index is not in the range 0 ... 17 (in octal form).
107	SCIL_BLANK_FIELD Blank spaces have been given to a numerical field.
108	SCIL_BOOLEAN_EXPRESSION_EXPECTED
109	SCIL_CLOSING_APOSTROPHE_EXPECTED
111	SCIL_EXPANSION_NOT_COMPILED
112	SCIL_COMMMA_OR_RIGHT_PAREN_EXPECTED A variable or argument list is erroneous.
113	SCIL_END_OF_ARGUMENT_LIST_EXPECTED
114	SCIL_END_OF_LINE_EXPECTED
115	SCIL_END_OF_LINE_INSTEAD_OF_OPERAND
117	SCIL_EXPANDED_LINE_TOO_LONG After the variable extension the line contains more than 255 characters.
118	SCIL_EXTRANEOUS_BLOCK_END The program contains a #BLOCK_END without a corresponding #BLOCK.
119	SCIL_EXTRANEOUS_ELSE The program contains an #ELSE which has no corresponding #IF.
120	SCIL_EXTRANEOUS_ELSE_IF The program contains an #ELSE_IF which has no corresponding #IF.
121	SCIL_EXTRANEOUS_THEN The program contains a #THEN which has no corresponding #IF.
122	SCIL_FIELD_TOO_SHORT

Table continues on next page

125	SCIL_GET_SUPPORTED_ONLY_FOR_ME_ATTRIBUTE In a GET statement you may only use the attribute ME together with a system object.
126	SCIL_ILLEGAL_EXPRESSION_TYPE
127	SCIL_ILLEGAL_KEYWORD The name of the SCIL command is wrong.
131	SCIL_ILLEGAL_SYSTEM_DEVICE_NUMBER The name of the system object is wrong.
134	SCIL_INDEX_OVERFLOW The index of the variable is larger than the number of elements.
137	SCIL_INTEGER_OVERFLOW Too large number has been entered into an integer field.
138	SCIL_INVALID_BIT_INDEX_RANGE When defining an index range, either both limits or none is given with a bit address. Example: STA1:SME(7^1..13^) and STA1:SME(7^..13^4) are incorrect, but STA1:SME(7^..13^) and STA1:SME(7^1..13^4) are correct
139	SCIL_INVALID_NET_REPLY_FOR_BIT_GET The base system and the frontend do not communicate properly. Contact a Hitachi ABB Power Grids representative.
143	SCIL_INVALID_TIME Time has been given in an incorrect way with the #SET_TIME command.
144	SCIL_LOG_OP_WITH_NON_BOOLEANS The expression on the left or right side of a logical operand is not a boolean value.
145	SCIL_LOW_INDEX_GREATER_THAN_HIGH
148	SCIL_MESSAGE_BUFFER_OVERFLOW The control of the process (SET command) has failed, because the data to be transmitted does not fit into the message buffer. Divide the SET statement into at least two statements.
149	SCIL_MIXED_LOGICAL_OPERATORS Parenthesis must be used to group the logical operators in expressions. Example: The statement %A > 10 AND %B < 5 OR %C == 3 is incorrect. Correct statements: %A >10 AND (%B < 5 OR %C == 3) (%A > 10 AND %B < 5) OR %C == 3
151	SCIL_NEGATION_OF_NONBOOLEAN A non-boolean value has been used with the NOT operand.
152	SCIL_NET_COMMUNICATION_TIMEOUT This error code is normally caused by inconsistencies in the base system and frontend configurations.
153	SCIL_NON_BINARY_ELEMENT_IN_BIT_SET
155	SCIL_NON_INTEGER_BIT_INDEX
156	SCIL_NON_INTEGER_INDEX
158	SCIL_NON_NUMERIC_FIELD A non-numerical value has been entered into a numerical field.
159	SCIL_NEGATIVE_INDEX
162	SCIL_NOT_YET_IMPLEMENTED
167	SCIL_NO_MEMORY_ADDRESS_GIVEN

Table continues on next page

170	SCIL_OBJECT_EXPECTED
171	SCIL_OBJECT_NAME_EXPECTED
172	SCIL_OPERATOR_INSTEAD_OF_OPERAND
174	SCIL_VARIABLE_LIST_EXPECTED The variable list together with a #EXEC, #LIST or #PRINT command is incorrect.
175	SCIL_PRINTER_NUMBER_EXPECTED
176	SCIL_RELATIONAL_OPERATOR_EXPECTED In a representation of type SELECTOR the condition is incorrectly written.
178	SCIL_RESERVED_WORD_INSTEAD_OF_OPERAND A SCIL command has been given instead of an expression.
179	SCIL_RIGHT_PAREN_EXPECTED A right parenthesis is missing in a SCIL expression.
180	SCIL_RIGHT_PAREN_INSTEAD_OF_OPERAND
183	SCIL_THEN_EXPECTED #THEN is missing in a conditional statement.
186	SCIL_UNARY_OP_WITH_NONNUMERIC The positive and negative signs may only be followed by a numerical value.
187	SCIL_INCOMPATIBLE_TYPES Because of their data type, the two operands cannot be combined with the operator in question.
188	SCIL_UNDEFINED_VARIABLE
190	SCIL_UNKNOWN_ATTRIBUTE
191	SCIL_UNKNOWN_FUNCTION The base system main program is incorrectly generated. Contact a Hitachi ABB Power Grids representative.
192	SCIL_UNKNOWN_SYSTEM_DEVICE_TYPE The name of a system object is incorrectly formed.
193	SCIL_UNSUPPORTED_DATA_TYPE_IN_NET_REPLY The base system and the frontend do not communicate properly. Contact a Hitachi ABB Power Grids representative.
194	SCIL_VALUE_RANGE_OUT_OF_ORDER The third and fourth arguments of the functions CLASSIFY and REVERSE are incompatible, since the third argument is greater than the fourth.
195	SCIL_VECTOR_ARGUMENT_EXPECTED
196	SCIL_NAME_LIST_USE_ERROR
197	SCIL_EMPTY_NAME_LIST_PATTERN
198	SCIL_ILLEGAL_NAME_LIST_PATTERN
201	SCIL_ARGUMENT_OUT_OF_RANGE
202	SCIL_INTEGER_ARGUMENT_EXPECTED
203	SCIL_REAL_ARGUMENT_EXPECTED
204	SCIL_BOOLEAN_ARGUMENT_EXPECTED
205	SCIL_TIME_ARGUMENT_EXPECTED
206	SCIL_TEXT_ARGUMENT_EXPECTED
207	SCIL_NUMERIC_ARGUMENT_EXPECTED
208	SCIL_REAL_VECTOR_ARGUMENT_EXPECTED
209	SCIL_ARGUMENT_LIST_TOO_LONG
210	SCIL_ARGUMENT_LIST_TOO_SHORT
211	SCIL_COMMA_EXPECTED Commas are missing in an argument list.

Table continues on next page

212	SCIL_STRING_LENGTH_NOT_1 The argument of the text function ASCII_CODE should be a single character or a vector of single characters.
213	SCIL_NON_NUMERIC_STRING The argument of the function DEC_SCAN, OCT_SCAN or HEX_SCAN contains illegal characters.
214	SCIL_BLANK_STRING
215	SCIL_SPACOM_COMMUNICATION_ERROR
220	SCIL_NO_ATTRIBUTE_ALLOWED
221	SCIL_EVENT_OBJECT_EXPECTED
222	SCIL_DIVIDE_BY_ZERO The right operand in a division (/) or DIV or MOD operation is zero.
224	SCIL_INDEX_NOT_ALLOWED
225	SCIL_OBJECT_NOT_EXECUTABLE The object type can not be executed with the #EXEC command.
229	SCIL_LIST_ARITHMETICS_ILLEGAL List type expressions can not be operated with arithmetical operators.
231	SCIL_V_OBJECT_NOT_FOUND
234	SCIL_UNKNOWN_QUERY_ORDER
235	SCIL_QUERY_NOT_ACTIVE The PROD_QUERY has been called though it was not initialized with the INIT_QUERY command.
236	SCIL_MAX_QUERY_LENGTH_ZERO Process query (PROD_QUERY) can not be performed because the APLn:BQL attribute is == 0.
237	SCIL_ATTRIBUTE_NAME_EXPECTED
238	SCIL_LEFT_PAREN_EXPECTED A left parenthesis is missing.
239	SCIL_INVALID_OCTAL_CONSTANT
240	SCIL_OPERAND_EXPECTED
241	SCIL_INDEX_RANGE_NOT_ALLOWED
242	SCIL_EQUAL_SIGN_EXPECTED
243	SCIL_LIST_VALUE_EXPECTED
244	SCIL_ONLY_INTEGER_AND_TEXT_EXPANSION_ALLOWED
245	SCIL_INVALID_DATA_TYPE_FOR_EXPANSION
246	SCIL_LIST_OVERFLOW
248	SCIL_NON_TEXT_OBJECT_NAME
249	SCIL_EMBEDDED_BLANK_IN_OBJECT_NAME An object name contains a blank space.
250	SCIL_BLANK_OBJECT_NAME
251	SCIL_OBJECT_NAME_TOO_LONG
252	SCIL_OBJECT_NAME_BEGIN_NON_ALPHANUMERIC
253	SCIL_INVALID_CHARACTER_IN_OBJECT_NAME
254	SCIL_EMBEDDED_BLANK_IN_NAME
256	SCIL_NAME_TOO_LONG
257	SCIL_NAME_BEGIN_NON_ALPHANUMERIC
258	SCIL_INVALID_CHARACTER_IN_NAME
259	SCIL_END_OF_SEARCH
260	SCIL_BEGINNING_OF_SEARCH

Table continues on next page

261	SCIL_INVALID_SEARCH_NUMBER
262	SCIL_INVALID_SEARCH_OBJECT_TYPE
263	SCIL_INVALID_SEARCH_ORDER_FOR_OBJ_TYPE
264	SCIL_INVALID_SEARCH_START_LOCATION
265	SCIL_INVALID_APPLICATION_NUMBER
266	SCIL_INVALID_OBJECT_TYPE
267	SCIL_INVALID_OBJECT_INDEX
268	SCIL_UNIT_NUMBER_OUT_OF_RANGE
269	SCIL_BIT_ADDRESS_OUT_OF_RANGE
270	SCIL_SEARCH_NOT_INITIALIZED The browsing with NEXT and PREV has not been initialized with the #SEARCH command.
271	SCIL_AGGREGATE_TOO_LONG
272	SCIL_DATA_FETCH_ARGUMENT_3_INVALID
273	SCIL_DATA_FETCH_ARGUMENT_4_INVALID
274	SCIL_DATA_FETCH_INVALID_INDEX1
275	SCIL_DATA_FETCH_INVALID_STEP
276	SCIL_DATA_FETCH_INVALID_SHIFT
277	SCIL_LIST_ARGUMENT_EXPECTED
278	SCIL_DATA_STORE_ARGUMENT_4_INVALID
279	SCIL_DATA_STORE_INVALID_INDEX1
280	SCIL_DATA_STORE_INVALID_STEP
282	SCIL_APPL_COMMUNICATION_TIMEOUT
283	SCIL_APPL_REPLY_SEQUENCE_ERROR
284	SCIL_APPL_COMMAND_SEQUENCE_ERROR
285	SCIL_APPL_MESSAGE_INCONSISTENT
286	SCIL_APPL_COMMAND_BUFFER_OVERFLOW
287	SCIL_APPL_UNKNOWN_COMMAND_FUNCTION
289	SCIL_TEXT_EXPRESSION_EXPECTED
291	SCIL_INVALID_RTU_OBJECT_FOR_BIT_SET
292	SCIL_RTU_OBJECT_NOT_SETTABLE
293	SCIL_INVALID_DATA_TYPE_IN_RTU_SET
296	SCIL_APPLICATION_IS_COLD
297	SCIL_APPLICATION_IS_NOT_HOT
298	SCIL_FILE_NUMBER_OUT_OF_RANGE
299	SCIL_FILE_NUMBER_ALREADY_IN_USE
300	SCIL_FILE_NUMBER_NOT_IN_USE
301	SCIL_VARIABLE_NAME_EXPECTED
302	SCIL_KEY_LENGTH_OUT_OF_RANGE
303	SCIL_DATA_TO_BE_WRITTEN_TOO_LONG
304	SCIL_SPACOM_PROTOCOL_NOT_SUPPORTED
307	SCIL_INDEX_TOO_BIG
308	SCIL_NUMERIC_VECTOR_ARGUMENT_EXPECTED
310	SCIL_INVALID_SEARCH_ORDER

Table continues on next page

311	SCIL_TOO_MANY_NESTED_STATEMENTS
312	SCIL_EXTRANEous_LOOP_EXIT
313	SCIL_EXTRANEous_LOOP_END
314	SCIL_BLOCK_END_MISSING
315	SCIL_LOOP_END_MISSING
316	SCIL_INVALID_ERROR_KEYWORD
317	SCIL_INVALID_ON_KEYWORD
318	SCIL_EVENT_OR_ERROR_KEYWORD_EXPECTED
320	SCIL_INTEGER_EXPRESSION_EXPECTED
321	SCIL_MAX_LOOP_COUNT_EXCEEDED
322	SCIL_ELLIPSE_EXPECTED
323	SCIL_INVALID_DATA_TYPE_IN_SET
324	SCIL_PROGRAM_TOO_LONG
325	SCIL_PROGRAM_EXTERNALLY_TERMINATED
326	SCIL_PATH_NAME_TOO_LONG
328	SCIL_FILE_NAME_TOO_LONG
329	SCIL_INVALID_CHARACTER_IN_FILE_NAME
330	SCIL_EMPTY_FILE_NAME
333	SCIL_TOO_MANY_DIRECTORIES_IN_PATH
334	SCIL_UNDEFINED_PATH
335	SCIL_EMPTY_PATH
337	SCIL_TOO_MANY_LIBRARIES_IN_REPLIB
338	SCIL_UNDEFINED_REPLIB
339	SCIL_EMPTY_REPLIB_DEFINITION
340	SCIL_REPLIB_NAME_EXPECTED
341	SCIL_INVALID_LIBRARY_DEFINITION
343	SCIL_PATH_NAME_EXPECTED
344	SCIL_INVALID_DIRECTORY_DEFINITION
345	SCIL_STATUS_CODE_OUT_OF_RANGE
346	SCIL_GET_NOT_SUPPORTED_FOR_THIS_STATION
347	SCIL_BIT_STRING_ARGUMENT_EXPECTED
348	SCIL_INTEGER_OR_BIT_ARGUMENT_EXPECTED
350	SCIL_BIT_SCAN_ARGUMENT_NOT_0_1
351	SCIL_IP_NUMBER_OUT_OF_RANGE
352	SCIL_INVALID_IP_NAME
353	SCIL_INTEGRATED_PROGRAM_NOT_STARTED
354	SCIL_INTEGRATED_PROGRAM_ALREADY_STARTED
355	SCIL_NO_APPLICATION_CONTEXT
357	SCIL_INVALID_GC_NUMBER
358	SCIL_GC_NUMBER_OUT_OF_RANGE
359	SCIL_INVALID_SCALING_FACTOR
360	SCIL_INVALID_COORDINATE
361	SCIL_INVALID_COLOR
362	SCIL_INVALID_FONT

Table continues on next page

363	SCIL_INVALID_GRAPHICS_OPTION
364	SCIL_INVALID_WIDTH
365	SCIL_INVALID_HEIGHT
366	SCIL_INVALID_RADIUS
367	SCIL_INVALID_SEMI_MAJOR_AXIS
368	SCIL_INVALID_ANGLE
369	SCIL_INVALID_GC_FUNCTION
370	SCIL_INVALID_LINE_WIDTH
371	SCIL_INVALID_LINE_STYLE
372	SCIL_INVALID_CAP_STYLE
373	SCIL_INVALID_JOIN_STYLE
374	SCIL_INVALID_DASH_LIST
375	SCIL_INVALID_DASH_OFFSET
376	SCIL_INVALID_ARC_MODE
377	SCIL_INVALID_GC_COMPONENT
378	SCIL_GC_COMPONENT_NAME_EXPECTED
379	SCIL_DOUBLE_GC_COMPONENT_NAME
380	SCIL_COLON_EXPECTED
381	SCIL_POP_WITHOUT_MATCHING_PUSH
382	SCIL_INVALID_CANVAS_ARGUMENT
383	SCIL_INVALID_COLOR_SPECIFICATION
384	SCIL_INVALID_FONT_SPECIFICATION
386	SCIL_CANVAS_NOT_FOUND
387	SCIL_INVALID_CANVAS_NAME
388	SCIL_PEND_OFF_WITHOUT_MATCHING_PEND_ON
389	SCIL_UNDEFINED_COLOR
390	SCIL_UNDEFINED_FONT
391	SCIL_UNDEFINED_GC
392	SCIL_INVALID_RGB_COLOR
393	SCIL_INVALID_GRAPHICAL_SCOPE
394	SCIL_INTEGER_OR_VECTOR_ARGUMENT_EXPECTED
395	SCIL_COLOR_NUMBER_OUT_OF_RANGE
397	SCIL_FONT_NUMBER_OUT_OF_RANGE
398	SCIL_APPLICATION_TEXT_DATABASE_FULL
399	SCIL_MEMORY_EXHAUSTED
400	SCIL_TIME_OR_LIST_ARGUMENT_EXPECTED
401	SCIL_CL_OR_US_MISSING_OR_INVALID
402	SCIL_KEY_POSITION_OUT_OF_RANGE
403	SCIL_INVALID_SORT_DATA
404	SCIL_INVALID_SELECT_ATTRIBUTE_VECTORS
405	SCIL_VECTOR_OR_LIST_ARGUMENT_EXPECTED
406	SCIL_SELECT_CONDITION_TOO_LONG
407	SCIL_CONTINUATION_LINE_MISSING
408	SCIL_UNKNOWN_IDENTIFIER

Table continues on next page

409	SCIL_IDENTIFIER_TOO_LONG
410	SCIL_IDENTIFIER_EXPECTED
411	SCIL_COMMAND_TOO_LONG
412	SCIL_CLOSING_QUOTE_MISSING
413	SCIL_WHEN_OUTSIDE_CASE
414	SCIL OTHERWISE_OUTSIDE_CASE
415	SCIL_EXTRANEous_CASE_END
416	SCIL_CASE_END_MISSING
417	SCIL_INVALID_CASE_SELECTOR_DATA_TYPE
418	SCIL_WHEN_OR_OTHERWISE_EXPECTED
419	SCIL_CASE_END_EXPECTED
420	SCIL_FILE_IS_READ_ONLY
421	SCIL_ATTRIBUTE_NOT_FOUND
422	SCIL_CLASS_NAME_EXPECTED
423	SCIL_WINDOW_NAME_EXPECTED
424	SCIL_PICTURE_NAME_EXPECTED
425	SCIL_REPRESENTATION_NAME_EXPECTED
426	SCIL_EMBEDDED_BLANK_IN_IDENTIFIER
427	SCIL_INVALID_CHARACTER_IN_IDENTIFIER
428	SCIL_IDENTIFIER_MUST_BEGIN_WITH_LETTER
430	SCIL_INVALID_NAME
431	SCIL_INVALID_EDIT_KEYWORD
432	SCIL_EXECUTION_DELAY_OUT_OF_RANGE
433	SCIL_INVALID_DATA_TYPE
434	SCIL_STRING_TOO_LONG
435	SCIL_STRING_ARGUMENT_EXPECTED
436	SCIL_INTEGER_VECTOR_EXPECTED
437	SCIL_TEXT_VECTOR_EXPECTED
438	SCIL_NEGATIVE_MODULUS
439	SCIL_INTEGER_TEXT_VECTOR_EXPECTED
440	SCIL_BYTE_STRING_ARGUMENT_EXPECTED
441	SCIL_COMMA_OR_COLON_EXPECTED
442	SCIL_CORRUPTED_P_CODE
443	SCIL_COMPILER_VERSION_MISMATCH
444	SCIL_STACK_OVERFLOW
445	SCIL_INDEX_STACK_OVERFLOW
446	SCIL_IDENTIFIER_STACK_OVERFLOW
447	SCIL_VARIABLE_STACK_OVERFLOW
448	SCIL_VECTOR_TOO_SHORT
449	SCIL_VARIABLE_IS_READ_ONLY
450	SCIL_CLASS_NOT_FOUND
451	SCIL_INSTANCE_OF_CLASS_NOT_ALLOWED
452	SCIL_ATTRIBUTE_IS_WRITE_ONLY
453	SCIL_ATTRIBUTE_IS_READ_ONLY

Table continues on next page

454	SCIL_METHOD_NOT_FOUND
456	SCIL_INVALID_ENUMERATION_CONSTANT
457	SCIL_INVALID_FLAG_CONSTANT
459	SCIL_INVALID_POINT_ARGUMENT
460	SCIL_INVALID_RECT_ARGUMENT
461	SCIL_EXCEPTION_IN_METHOD_CALL
462	SCIL_EXCEPTION_IN_SET_ATTRIBUTE
463	SCIL_EXCEPTION_IN_GET_ATTRIBUTE
464	SCIL_EXCEPTION_IN_CREATE
465	SCIL_EXCEPTION_IN_CREATE_APPEND
466	SCIL_CALLBACK_NOT_FOUND
467	SCIL_CHARACTER_ARGUMENT_EXPECTED
468	SCIL_SQL_ALLOC_ENVIRONMENT_FAILED
469	SCIL_SQL_ENVIRONMENT_LOST
470	SCIL_TOO_MANY_OPEN_SQL_CONNECTIONS
471	SCIL_SQL_CONNECTION_NOT_OPEN
472	SCIL_TOO_MANY_SQL_STATEMENTS_OPEN
473	SCIL_SQL_STATEMENT_NOT_OPEN
476	SCIL_INVALID_KEYWORD_ARGUMENT
477	SCIL_VS_OBJECT_NOT_FOUND
478	SCIL_NOT_A_VS_OBJECT
479	SCIL_VS_OBJECT_OF_WRONG_CLASS
480	SCIL_TRACE_NOT_ACTIVE
481	SCIL_VECTOR_TOO_LONG
482	SCIL_DDE_INSTANCE_INIT_FAILED
483	SCIL_TOO_MANY_OPEN_DDE_CONNECTIONS
484	SCIL_DDE_CONNECTION_NOT_OPEN
485	SCIL_INVALID_COLUMN_POSITION
486	SCIL_INVALID_COLUMN_WIDTH
487	SCIL_COLUMN_COUNT_MISMATCH
488	SCIL_COLUMN_LENGTH_MISMATCH
489	SCIL_VECTOR_VECTOR_ARGUMENT_EXPECTED
490	SCIL_INVALID_FILE_NAME
491	SCIL_NOT_A_VALID_RESOURCE_FILE
492	SCIL_TAG_NOT_FOUND
493	SCIL_LOAD_OF_CLASS_NOT_ALLOWED
494	SCIL_EXCEPTION_IN_LOAD
495	SCIL_INVALID_PROGRAM_RESOURCE
496	SCIL_INVALID_METHOD_NAME
497	SCIL_PICTURE_ALREADY_LOADED
498	SCIL_PICTURE_NOT_LOADED
499	SCIL_PICTURE_LOADED_FOR_READ_ONLY
500	SCIL_REPRESENTATION_LIBRARY_ALREADY_LOADED
501	SCIL_REPRESENTATION_LIBRARY_NOT_LOADED

Table continues on next page

502	SCIL_REPRESENTATION_ALREADY_LOADED
503	SCIL_REPRESENTATION_NOT_LOADED
504	SCIL_DUPLICATE_OBJECT_NAME
505	SCIL_ATTRIBUTE_OR_METHOD_NOT_FOUND
506	SCIL_PERIOD_EXPECTED
507	SCIL_OBJECT_IS_NOT_LOCAL
508	SCIL_ACTION_METHOD_NOT_FOUND
509	SCIL_EXTERNAL_PROGRAM_DOES_NOT_RESPOND
510	SCIL_AEP_NOT_STARTED
511	SCIL_INVALID_AEP_NAME
513	SCIL_MAIN_DIALOG_MAY_NOT_BE_CREATED
514	SCIL_INVALID_COPY_LOGICALS
515	SCIL_INVALID_DEFAULT_PATH
516	SCIL_VS_OBJECT_NOT_STARTED
517	SCIL_CONTEXT_BOUNDARY_VIOLATION
518	SCIL_OBJECT_OF_WRONG_CLASS
519	SCIL_MOUSE_NOT_SUPPORTED_IN_MAIN_DIALOG
520	SCIL_METHODS_NOT_AN_ARRAY
521	SCIL_METHOD_DESCRIPTOR_NOT_A_DICTIONARY
522	SCIL_METHOD_TYPE_MISSING
523	SCIL_METHOD_TYPE_NOT_AN_INTEGER
524	SCIL_METHOD_TYPE_OUT_OF_RANGE
525	SCIL_METHOD_PROGRAM_MISSING
526	SCIL_METHOD_PROGRAM_NOT_A_STRING
527	SCIL_METHOD_CYCLE_MISSING
528	SCIL_METHOD_CYCLE_NOT_A_FLOAT
529	SCIL_METHOD_CYCLE_OUT_OF_RANGE
530	SCIL_METHOD_NAME_MISSING
531	SCIL_METHOD_NAME_NOT_A_STRING
532	SCIL_ACTION_DOES_NOT_EXIST
534	SCIL_METHOD_EVENTS_MISSING
535	SCIL_METHOD_EVENTS_NOT_AN_ARRAY
536	SCIL_METHOD_EVENT_NOT_A_STRING
537	SCIL_RESERVED_OBJECT_NAME
539	SCIL_ATTRIBUTE_IS_LOAD_ONLY
540	SCIL_INVALID_OBJECT_NAME
541	SCIL_INVALID_LANGUAGE_NAME
542	SCIL_TEXTS_NOT_A_DICTIONARY
543	SCIL_INVALID_TEXT_IDENTIFIER
544	SCIL_TEXT_DESCRIPTOR_NOT_A_DICTIONARY
545	SCIL_INVALID_TEXT_TRANSLATION
546	SCIL_INVALID_FONT_ATTRIBUTE_NAME
547	SCIL_INVALID_FONT_ATTRIBUTE_VALUE
548	SCIL_INVALID_FONT_FAMILY

Table continues on next page

549	SCIL_INVALID_FONT_POINT_SIZE
550	SCIL_INVALID_FONT_SCIL_SIZE
551	SCIL_INVALID_FONT_FACE
552	SCIL_INVALID_FONT_ENCODING
553	SCIL_OBJECT_REFERENCED_BY_ANOTHER_OBJECT
554	SCIL_OBJECT_REFERENCE_LOOP
555	SCIL_INVALID_SECTION_NAME
556	SCIL_INVALID_KEY_NAME
557	SCIL_INVALID_KEY_VALUE
558	SCIL_SECTION_DOES_NOT_EXIST
559	SCIL_KEY_DOES_NOT_EXIST
560	SCIL_INVALID_PARAMETER_FILE_FORMAT
562	SCIL_INVALID_INT_PAIR_VALUE
565	SCIL_UNLOCK_WITHOUT_MATCHING_LOCK
566	SCIL_INVALID_SEARCH_DIRECTION
567	SCIL_INVALID_SEARCH_CONDITION
568	SCIL_SEARCH_START_ARGUMENT_MISSING
569	SCIL_INVALID_SEARCH_OBJECT_LIST
570	SCIL_DUPLICATE_ATTRIBUTE_OR_METHOD_NAME
571	SCIL_PRODUCT_NOT_FOUND
572	SCIL_PAK_KEY_LIST_TOO_LONG
573	SCIL_INVALID_PAK_KEY_VALUE
574	SCIL_INVALID_PAK_KEY_LIST
575	SCIL_AUTHORIZATION_KEY_MISMATCH
577	SCIL_SYSTEM_ID_MISMATCH
578	SCIL_NO_SCIL_CONTEXT
579	SCIL_EXCEPTION_IN_COMPLETE
580	SCIL_VARIABLE_ALIASING_ERROR
581	SCIL_ALIAS_STACK_OVERFLOW
583	SCIL_TWO_LETTER_ATTRIBUTE_NAME_EXPECTED
584	SCIL_HISTORY_DATABASE_MANAGER_NOT_STARTED
585	SCIL_TOO_MANY_HDB_SESSIONS
586	SCIL_INDEX_OUT_OF_RANGE
587	SCIL_INTEGER_OR_TEXT_ARGUMENT_EXPECTED
588	SCIL_TOO_MANY_ATTRIBUTES
589	SCIL_NO_DIRECTORIES_SPECIFIED
590	SCIL_NO_PERIOD_SPECIFIED
591	SCIL_PERIOD_TOO_LONG
592	SCIL_INVALID_EVENT_IDENTIFIER
593	SCIL_TOO_MANY_DIRECTORIES
594	SCIL_NOT_A_BCD_NUMBER
595	SCIL_TOO_MANY_IMAGES
596	SCIL_NO_IMAGE_SPECIFIED
597	SCIL_INVALID_DATA_POINT_VALUE

Table continues on next page

598	SCIL_INVALID_DATA_SET_VALUE
599	SCIL_NOT_A_SCIL_COMMAND
600	SCIL_INVALID_VECTOR_LENGTH
601	SCIL_INVALID_FM_TAG
602	SCIL_FM_HIERARCHY_VIOLATION
603	SCIL_FM_HIERARCHY_TOO_DEEP
604	SCIL_INVALID_FM_DRIVE
605	SCIL_INVALID_FM_DIRECTORY
606	SCIL_INVALID_FM_FILE
607	SCIL_INVALID_UNC_NAME
608	SCIL_NULL_FILE_NAME
609	SCIL_NO_CURRENT_DIRECTORY
610	SCIL_CONTRADICTORY_KEYWORD_ARGUMENT
611	SCIL_DRIVE_TAG_EXPECTED
612	SCIL_DIRECTORY_TAG_EXPECTED
613	SCIL_FILE_TAG_EXPECTED
614	SCIL_ABSOLUTE_TAG_EXPECTED
617	SCIL_PARAMETER_FILE_LINE_TOO_LONG
618	SCIL_NAME_MUST_BEGIN_WITH_SLASH
619	SCIL_DIRECTORY_OR_FILE_TAG_EXPECTED
620	SCIL_TEXT_OR_BYTE_STRING_ARGUMENT_EXPECTED
621	SCIL_INVALID_AXIS_PROPERTY_LIST
622	SCIL_INVALID_DATASET_PROPERTY_LIST
623	SCIL_INVALID_HAIRLINE_PROPERTY_LIST
624	SCIL_INVALID_PROGRAM_STRUCTURE
625	SCIL_WRONG_HP_ATTRIBUTE_SETTING This error is raised when INIT_QUERY by order "E" or "H" is attempted while history database (or no history) is used by the application (APL:BHP is set to "LOG").
626	SCIL_PRINT_JOB_NOT_CONFIRMED User pressed Cancel on VS_PRINT_OBJECT's print job confirmation dialog.
627	SCIL_PRINT_SETUP_NOT_CONFIRMED User pressed Cancel on VS_PRINT_OBJECT's print setup dialog.
628	SCIL_PRINT_SESSION_ALREADY_OPEN VS_PRINT_OBJECT's print session was already open when calling _OPEN_PRINT_SESSION. Session has been opened by _OPEN_PRINTER or _OPEN_PRINT_SESSION. This error is returned also by _SETUP_PRINTER if print session is already open.
629	SCIL_PRINT_SESSION_NOT_OPEN VS_PRINT_OBJECT's print session was not open when calling _CLOSE_PRINT_SESSION
630	SCIL_KERNEL_REVISION_MISMATCH This status code may be returned in the STATUS attribute of the return value of the LICENSE_MANAGER("GET",) function.
631	SCIL_LICENSE_HAS_EXPIRED This status code may be returned in the STATUS attribute of the return value of the LICENSE_MANAGER("GET",) function.
632	SCIL_DUPLICATE_VARIABLE_OR_ARGUMENT_NAME Attempt to declare two arguments or variables with same name.
633	SCIL_LOCAL_COMMAND_OUT_OF_ORDER #LOCAL command may not be preceded by other commands than #ARGUMENT.

Table continues on next page

634	SCIL_ARGUMENT_NAME_EXPECTED Argument list in #ARGUMENT command invalid.
635	SCIL_ARGUMENT_COMMAND_OUT_OF_ORDER #ARGUMENT command may not be preceded by other commands.
636	SCIL_ACTUAL_ARGUMENT_MISSING Caller of SCIL program has not supplied value to each named argument.
637	SCIL_ARGUMENTS_ARE_READ_ONLY Attempt to modify the value of an argument.
638	SCIL_EXPANDED_NAME_NOT_ALLOWED Attempt to create the name of local variable using expansion.
639	SCIL_REFERENCE_STACK_OVERFLOW The depth of variable component access exceeds 100 components (compiled SCIL only).
640	SCIL_VECTOR_VALUE_EXPECTED Attempt to use indexing on data that is not a vector.
641	SCIL_OBJECT_PATH_TOO_DEEP An object path of a VS object contains more than 63 components.
642	SCIL_COMPONENT_NOT_SETTABLE Attempt to set a component of an attribute of an object when the attribute may be written only as a whole.
643	SCIL_ATTRIBUTE_ALIASING_ERROR Attempt to modify the value of an object attribute while the attribute is referenced somewhere else.
644	SCIL_REGISTRY_KEY_NOT_FOUND The specified key is not found in the registry.
645	SCIL_REGISTRY_VALUE_NOT_FOUND The registry key does not contain the specified value name.
646	SCIL_REGISTRY_DATATYPE_NOT_SUPPORTED The data type of the registry value is not supported by SCIL.
647	SCIL_NOT_CALLED_BY_ERROR_HANDLER Function was called by somebody else than an error handler.
648	SCIL_OUT_OF_CALL_STACK This code is returned in STATUS attribute of the function call result, if frame number is out of range.
649	SCIL_ALIAS_CHECKING_BEEN_DISABLED Arguments may not be queried because NO_ALIAS_CHECKING has been used.
650	SCIL_TOO_MANY_AEPS Attempt to start more than 999 application extension programs.
651	SCIL_INVALID_SYS_TIME_PAR_FILE_FORMAT Parameter file SYS_TIME.PAR is not of valid format.
652	SCIL_INVALID_TIME_ZONE_RULE Given time zone rule is invalid.
653	SCIL_INVALID_CL_ATTRIBUTE_VALUE The CL attribute of qualified time is not of data type TIME.
654	SCIL_INVALID_MS_ATTRIBUTE_VALUE The MS attribute of qualified time is of invalid data type or out of range.
655	SCIL_INVALID_DS_ATTRIBUTE_VALUE The DS attribute of qualified time is not BOOLEAN.
656	SCIL_CL_ATTRIBUTE_MISSING CL attribute is missing in a qualified time.
657	SCIL_DOUBLE_ARGUMENT_EXPECTED The argument of a high precision function is of an invalid data type.
658	SCIL_DATA_FILE_INCONSISTENT The SCIL database file has been corrupted.

Table continues on next page

659	SCIL_DATA_FILE_VERSION_MISMATCH The SCIL database file has been written in a newer format than can be handled.
660	SCIL_DATA_SECTION_NOT_FOUND The SCIL database does not contain the given section.
661	SCIL_DATA_SECTION_ALREADY_EXISTS Attempt to create a SCIL database section that already exists.
662	SCIL_TOO_MANY_DATA_FILES_OPEN Only 10 SCIL databases may be open simultaneously.
663	SCIL_INVALID_DATA_FILE_HANDLE The handle of the SCIL database is not an integer 1 ... 10.
664	SCIL_DATA_FILE_NOT_OPEN Attempt to use a SCIL database that is not open.
665	SCIL_INVALID_DATA_FILE_COMPONENT The 'component' argument is not syntactically valid.
666	SCIL_LINE_TOO_LONG The text line is too long (> 255 characters).
667	SCIL_INVALID_INDEX The given object index is invalid.
668	SCIL_OPC_NAME_NOT_FOUND Attempt to access a non-existing name in the OPC Name Database.
669	SCIL_OPC_NAME_ALREADY_EXISTS Attempt to create an OPC name that already exists as the value of the ON attribute of some application object.
670	SCIL_OPC_NAME_TOO_LONG Attempt to create an OPC name that is longer than 255 characters.
671	SCIL_INVALID_OPC_NAME_DEFINITION The OPC name definition is not a list, or does not contain the SCIL attribute.
672	SCIL_APPLICATION_NUMBER_NOT_ALLOWED
673	SCIL_INVALID_OBJECT_SUBTYPE The 'subtype' argument of OBJECT_ATTRIBUTE_INFO is invalid.
674	SCIL_INVALID_CSV_FIELD_SPECIFICATION The 'fields' argument of CSV_TO_SCIL is invalid.
675	SCIL_TOO_MANY_CSV_FIELDS The CSV record contains more fields than expected.
676	SCIL_CSV_FIELD_DELIMITER_NOT_KNOWN The CSV_TO_SCIL function was unable to deduce the used field delimiter character.
677	SCIL_CSV_SYNTAX_ERROR The syntax of the CSV record is invalid.
678	SCIL_CSV_CLOSING_QUOTE_MISSING The closing quote (") was missing in the CSV record.
679	SCIL_CSV_FIELDS_MISSING The CSV record contains fewer fields than expected.
680	SCIL_LICENSE_MIRRORING_VIOLATION The system is not licensed to create stations with this mirroring role.
681	SCIL_LICENSE_HSB_VIOLATION The system is not licensed to start shadowing.
682	SCIL_LICENSE_PROTOCOL_VIOLATION The system is not licensed to create stations of this station type.
683	SCIL_LICENSE_PROCESS_IO_VIOLATION The system has used all the licensed process io's.
684	SCIL_LICENSE_APPL_OPC_SERVERS_VIOLATION Too many application OPC servers (AOPCS) try to connect to the OPC Data Access Server.

Table continues on next page

685	SCIL_LICENSE_OPCT_DA_CLIENTS_VIOLATION Too many OPC Data Access Clients started.
686	SCIL_LICENSE_OPCT_AE_CLIENTS_VIOLATION Too many OPC Alarm and Event Clients started.
687	SCIL_INVALID_OPCT_SERVER_CLSID The syntax of the class id (CLSID) attribute or argument is invalid.
688	SCIL_OPCT_SERVER_NOT_FOUND The OPC server cannot be found or started in the specified node.
689	SCIL_OPCT_COMMUNICATION_ERROR There is currently no connection to the OPC server, or the communication fails during the execution of the SCIL function.
690	SCIL_OPCT_CLIENT_NOT_RUNNING Attempt to access an OPC client with SCIL while the client is not running.
691	SCIL_INVALID_ACK_TIME The 'cookie' or 'active_time' argument of OPC_AE_ACKNOWLEDGE function is invalid (not recognized by the server).
693	SCIL_LICENSE_OPCT_AE_SERVER_VIOLATION Attempt to start an OPC Alarms and Events Server without a license.
694	SCIL_LICENSE_HISTORY_DATA_VIOLATION The system has used all the licensed data object records.
695	SCIL_INVALID_ALARM_LIST The 'lists' argument of SCIL_APPLICATION_ALARMS call is invalid.
696	SCIL_AMBIGUOUS_CLSID The class ID of the OPC server is given as an argument and also defined by the node.
697	SCIL_OPCT_ACCESS_DENIED The user and password of impersonated OPC access are wrong.
698	SCIL_APPLICATION_STATE_IS_CHANGING Attempt to change the application state (AS) or the shadowing state (SS) of an application while another state change is in progress.
699	SCIL_INVALID_DATE
700	SCIL_YEAR_OUT_OF_RANGE
701	SCIL_MONTH_OUT_OF_RANGE
702	SCIL_DAY_OUT_OF_RANGE
703	SCIL_INVALID_HOUR
704	SCIL_INVALID_MINUTE
705	SCIL_INVALID_SECOND
706	SCIL_INVALID_MILLISECONDS
707	SCIL_INVALID_RESOLUTION
710	SCIL_LICENSE_BUSBAR_COLORING_VIOLATION The system is not licensed to start network topology calculation.
711	SCIL_REAL_EXPRESSION_EXPECTED
712	SCIL_LIST_VECTOR_EXPECTED
713	SCIL_APPL_BOI_UNDEFINED Query in OI (Object Identifier) order not possible because the OI structure (APL:BOI) is undefined.
714	SCIL_OI_STRUCTURE_MISMATCH The given OI (Object Identifier) does not comply to the OI structure of the application (APL:BOI).
715	SCIL_NO_MATCH_IN_CASE_FUNCTION The selector argument does not match with any case branch and "OTHERWISE" branch is not given.

Table continues on next page

716	SCIL_DATA_TYPE_MISMATCH	The arguments of CHOOSE function are not type compatible.
717	SCIL_DYNAMIC_ATTRIBUTES_NOT_ALLOWED	Only configuration attributes are allowed in this SDDL use case.
718	SCIL_ATTRIBUTE_NOT_READABLE	Write-only attributes are not allowed in SDDL expressions.
719	SCIL_APL_CONTEXT_NOT_VISIBLE	The context variable APL is not allowed in this SDDL use case.
720	SCIL_SYS_CONTEXT_NOT_VISIBLE	The context variable SYS is not allowed in this SDDL use case.
721	SCIL_UNKNOWN_CONTEXT_VARIABLE	The given context variable does not match any of the object attributes.
722	SCIL_FUNCTION_HAS_SIDE_EFFECTS	Functions used in SDDL expressions are not allowed to have any side effects.
723	SCIL_FUNCTION_NOT_DETERMINISTIC	Only deterministic functions are allowed in this SDDL use case.
724	SCIL_FUNCTION_SCOPE_TOO_WIDE	The scope of the function is too wide in this SDDL use case (accesses data outside the SDDL context).
726	SCIL_INVALID_ATTRIBUTE_REFERENCE	Reference to an object attribute does not match the data type of the attribute.
727	SCIL_INVALID_SDDL_OPTION	
728	SCIL_ONLY_COMMON_ATTRIBUTES_ALLOWED	Object subtype specific attributes are not allowed in this SDDL use case.
729	SCIL_EXPANSION_NOT_ALLOWED_IN_SDDL	Variable expansion must not be used in SDDL expression.
730	SCIL_GLOBAL_VARIABLES_NOT_ALLOWED_IN_SDDL	SDDL expressions have no access to global variables.
731	SCIL_VS_OBJECTS_NOT_ALLOWED_IN_SDDL	SDDL expressions have no access to Visual SCIL objects.
732	SCIL_OBJECT_REFERENCE_NOT_ALLOWED_IN_SDDL	SDDL expressions do have access to object attributes only via context variables.
733	SCIL_LICENSE_HIS_DATABASES_VIOLATION	Attempt to connect to too many Historian databases.
734	SCIL_LICENSE_HIS_TAGS_VIOLATION	Attempt to connect too many objects to Historian database.
735	SCIL_API_MESSAGE_INCONSISTENT	
736	SCIL_API_CONNECTION_CLOSED	
737	SCIL_API_VERSION_MISMATCH	
738	SCIL_API_SERVER_START_FAILURE	
739	SCIL_READ_ONLY_VIOLATION	SCIL program running in read-only mode attempts to modify system data.
740	SCIL_EXTERNAL_API_ACCESS_DENIED	

4.3.2 Picture Handling (PICO) Status Codes

805	PICO_PICTURE_NOT_FOUND	
812	PICO_CREATE_ERROR_IN_SEND	Handling of the help file PR_SPOOL_n.PIR (n = monitor number), needed for the execution of the SEND_PIC statement, does not succeed.
815	PICO_NO_SEND_DEVICE_NAME	The device name (LPT) is missing in a !SEND_PIC statement.

Table continues on next page

817	PICO_INVALID_SEND_DEVICE_NUMBER
820	PICO_ECHO REPRESENTATION NOT A FIELD The representation type of the window in the INPUT_VAR statement is not a FIELD.
821	PICO_ECHO_WINDOW_OUT_OF_SCREEN The window given in an !INPUT_VAR statement falls outside the screen.
822	PICO_ECHO REPRESENTATION NOT FOUND
823	PICO_ILLEGAL_VALUE_TYPE_FOR_ECHO_FIELD The field mentioned in !INPUT_VAR statement has the wrong datatype.
824	PICO_GET_FIELD_SPEC_ERROR_IN_INPUT
826	PICO_GET_FIRST_COMMAND_ERROR_IN_INPUT
827	PICO_INPUT_ERROR
832	PICO_WINDOW_NOT_FOUND_IN_SHOW The window called by !SHOW does not exist in the picture.
833	PICO_OPEN_REPR_ERROR_IN_SHOW
835	PICO_ILLEGAL_VALUE_TYPE_IN_SHOW The expression to be shown in a window is not of the right data type.
848	PICO_INVALID_ERROR_ARGUMENT
849	PICO_UPDATE_INTERVAL_OUT_OF_RANGE
851	PICO_NO_ALTERNATIVE_OPEN The value of the expression given with a !SHOW command has no branch in the SELECTOR.
856	PICO_GET_NEXT_ALTERNATIVE_ERROR
858	PICO_OPEN_PICTURE_ERROR_IN_SHOW_PICTURE The picture to be shown in the window can not be found.
860	PICO_GET_BACKGROUND_ERROR_IN_SHOW
865	PICO_EXTRANEous_MODULENAME
876	PICO_SCIL_ERROR_IN_KEY_SEQUENCE
878	PICO_SCIL_ERROR_IN_UPDATE_SEQUENCE
879	PICO_SCIL_ERROR_IN_DRAW_SEQUENCE
880	PICO_SCIL_ERROR_IN_START_SEQUENCE
881	PICO_SCIL_ERROR_IN_EVENT_SEQUENCE
882	PICO_SCIL_ERROR_IN_EXIT_SEQUENCE
883	PICO_SCIL_ERROR_IN_CALLBACK_SEQUENCE
884	PICO_SCIL_ERROR_IN_BACKGROUND_SEQUENCE
885	PICO_SCIL_ERROR_IN_METHOD_SEQUENCE
888	PICO_GET_FIELD_SPEC_ERROR_IN_SHOW
889	PICO_EVALUATE_CONDITION_ERROR The conditional expression in a SELECTOR is wrong.
892	PICO_WINDOW_FORMULA_EVALUATION_ERROR The expression given in the window definition form is wrong.
896	PICO_NO_MODULE_TO_SEND_MESSAGE The cause for the error message may be that one of the characters #, ! or @ is missing at the beginning of the line.
898	PICO_UNKNOWN_SEND_DEVICE
900	PICO_GET_BC_SPEC_ERROR_IN_SHOW
901	PICO_GET_MF_SPEC_ERROR_IN_SHOW
902	PICO_GET_WIN_EXT_ERROR_IN_SHOW
905	PICO_INVALID_EXTENSION_TYPE

Table continues on next page

906	PICO_INVALID_VALUES_IN_BC_SPEC The definition of a bar or a curve is inconsequent.
910	PICO_EVALUATE_CONDITION_LINE_ERROR A programmable exception is erroneous.
911	PICO_EVALUATE_LINE_ERROR_IN_BC_LIMITS The limit expressions for a bar or a curve are erroneous.
921	PICO_WINDOW_NOT_FOUND
922	PICO_QUADRANT_OPEN_ERROR
923	PICO_TOO_MANY_NESTED_PICTURES
926	PICO_INVALID_WINDOW_POSITION
929	PICO_INPUT_KEY_ERROR
930	PICO_INVALID_INPUT_KEY_KEYWORD
931	PICO_MICRO_LIBRARY_MODE_ALREADY_SET
932	PICO_MICRO_LIBRARY_MODE_NOT_SET
933	PICO_APPLICATION_CLOSE_TIMEOUT
935	PICO_EDITOR_MODE_ALREADY_SET
936	PICO_EDITOR_MODE_NOT_SET
937	PICO_RECURSIVE_SHOW
939	PICO_TOO_MANY_NESTED_PUSH_COMMANDS
940	PICO_MEMORY_EXHAUSTED
941	PICO_WINDOW_ALREADY_EXISTS
943	PICO_NAMED_PROGRAM_NOT_FOUND
944	PICO_METHOD_NOT_FOUND
945	PICO_INVALID_CALLBACK_RESOURCE
946	PICO_REGISTER_TOO_LONG
947	PICO_WINDOW_HAS_NO REPRESENTATION
950	PICO_NO_PARENT_WINDOW
951	PICO_PICTURE_NAME_MISSING
953	PICO_TOO_MANY_PICTURE_CONTEXTS
954	PICO_TOO_MANY_PICTURE_CONTAINERS
955	PICO_SEMIGRAPHICS_IN_MAIN_DIALOG
956	PICO_WINDOW_HAS_NO_CONTEXT
957	PICO_TOO_MANY_QUEUED_EXECUTIONS
958	PICO_MMC_PROGRAM_RUNNING
960	PICO_DRAWING_AREA_UNMANAGED
961	PICO_INPUT_TIMEOUT
962	PICO_MODULENAME_NOT_SUPPORTED

4.3.3 Report Database (REPF and REPR) Status Codes

1005	REPF_END_OF_LIST
1007	REPF_INDEX_TOO_HIGH
1009	REPF_LR_TOO_HIGH
1012	REPF_SOURCE_DOES_NOT_EXIST
1016	REPF_UNKNOWN_ATTRIBUTE

Table continues on next page

1021	REPF_ATTRIBUTE_NOT_WRITABLE
1022	REPF_INVALID_REPORT_OBJECT_VALUE
1023	REPF_EVENT_CHANNEL_OBJECTS_ARE_NOT_INDEXED
1024	REPF_UNKNOWN_EVENT_CHANNEL_ATTRIBUTE
1027	REPF_ON_ATTRIBUTE_TOO_LONG
1028	REPF_ON_ATTRIBUTE_NON_TEXT
1029	REPF_CM_ATTRIBUTE_NON_TEXT
1033	REPF_UNKNOWN_DC_ATTRIBUTE
1034	REPF_DC_ATTRIBUTE_NOT_INDEXED
1037	REPF_UNKNOWN_TIME_CHANNEL_ATTRIBUTE
1038	REPF_ATTRIBUTE_NOT_INDEXED
1039	REPF_INDEX_OUT_OF_RANGE
1040	REPF_NON_TEXT_COMMENT
1042	REPF_ATTRIBUTE_MUST_BE_INDEXED
1043	REPF_VECTOR_TOO_SHORT
1044	REPF_SU_ATTRIBUTE_OUT_OF_RANGE
1045	REPF_SU_ATTRIBUTE_NON_INTEGER
1046	REPF_NON_TIME_SY_ATTRIBUTE
1047	REPF_NEGATIVE_CY_ATTRIBUTE
1048	REPF_NON_INTEGER_CY_ATTRIBUTE
1049	REPF_NON_TEXT_CD_ATTRIBUTE
1050	REPF_DC_OBJECT_TABLE_FULL
1051	REPF_TIME_CHANNEL_TABLE_FULL
1052	REPF_EVENT_CHANNEL_TABLE_FULL
1053	REPF_EVENT_CHANNEL_DOES_NOT_EXIST
1054	REPF_TIME_CHANNEL_DOES_NOT_EXIST
1055	REPF_DC_OBJECT_DOES_NOT_EXIST
1059	REPF_INVALID_OT_ATTRIBUTE_VALUE
1060	REPF_INVALID_ON_ATTRIBUTE_VALUE
1061	REPF_INVALID_CM_ATTRIBUTE_VALUE
1062	REPF_BAD_EVENT_CHANNEL_ATTRIBUTE_STATUS
1063	REPF_ON_ATTRIBUTE_MISSING
1064	REPF_OT_ATTRIBUTE_MISSING
1065	REPF_EVENT_CHANNEL_ALREADY_EXISTS
1066	REPF_IU_ATTRIBUTE_OUT_OF_RANGE
1067	REPF_INVALID_IU_ATTRIBUTE_VALUE
1068	REPF_BAD_TIME_CHANNEL_ATTRIBUTE_STATUS
1069	REPF_INVALID_SY_SU_CY_OR_CD_ATTR_VALUE
1070	REPF_INVALID_SY_ATTRIBUTE_VALUE
1071	REPF_INVALID_SU_ATTRIBUTE_VALUE
1072	REPF_INVALID_CY_ATTRIBUTE_VALUE
1073	REPF_INVALID_CD_ATTRIBUTE_VALUE
1074	REPF_TIME_CHANNEL_ALREADY_EXISTS
1075	REPF_TIME_CHANNEL_NOT_EMPTY

Table continues on next page

1076	REPF_EP_ATTRIBUTE_OUT_OF_RANGE
1077	REPF_INVALID_EP_ATTRIBUTE_VALUE
1078	REPF_HR_ATTRIBUTE_OUT_OF_RANGE
1079	REPF_INVALID_HR_ATTRIBUTE_VALUE
1080	REPF_LF_ATTRIBUTE_OUT_OF_RANGE
1081	REPF_INVALID_LF_ATTRIBUTE_VALUE
1082	REPF_PS_ATTRIBUTE_OUT_OF_RANGE
1083	REPF_INVALID_PS_ATTRIBUTE_VALUE
1084	REPF_INVALID_IN_ATTRIBUTE_VALUE
1085	REPF_BAD_DC_OBJECT_ATTRIBUTE_STATUS
1087	REPF_PS_ATTRIBUTE_MISSING
1088	REPF_COPY_SOURCE_DOES_NOT_EXIST
1089	REPF_SR_ATTRIBUTE_MISSING
1090	REPF_DC_OBJECT_ALREADY_EXISTS
1091	REPF_DATA_STORE_INVALID_INDEX
1092	REPF_DATA_STORE_OV_INVALID
1093	REPF_DATA_STORE_OV_MISSING
1094	REPF_DATA_STORE_RT_INVALID
1095	REPF_DATA_STORE_OS_INVALID
1097	REPF_TS_ATTRIBUTE_OUT_OF_RANGE
1098	REPF_INVALID_TS_ATTRIBUTE_VALUE
1099	REPF_PE_ATTRIBUTE_OUT_OF_RANGE
1100	REPF_INVALID_PE_ATTRIBUTE_VALUE
1101	REPF_PQ_ATTRIBUTE_OUT_OF_RANGE
1102	REPF_INVALID_PQ_ATTRIBUTE_VALUE
1103	REPF_MO_ATTRIBUTE_OUT_OF_RANGE
1104	REPF_INVALID_MO_ATTRIBUTE_VALUE
1105	REPF_HN_ATTRIBUTE_OUT_OF_RANGE
1106	REPF_INVALID_HN_ATTRIBUTE_VALUE
1107	REPF_SE_ATTRIBUTE_OUT_OF_RANGE
1108	REPF_INVALID_SE_ATTRIBUTE_VALUE
1109	REPF_APPLICATION_CLOSE_TIMEOUT
1110	REPF_SX_ATTRIBUTE_OUT_OF_RANGE
1111	REPF_INVALID_SX_ATTRIBUTE_VALUE
1112	REPF_OBJECT_IS_LOCKED
1113	REPF_HISTORY_PAGE_TABLE_FULL
1114	REPF_VERSION_NUMBER_MISMATCH
1115	REPF_RDB_HEADER_INCONSISTENT
1116	REPF_INCONSISTENT_DATA_RECORD
1117	REPF_MEMORY_EXHAUSTED
1118	REPF_EXECUTION_QUEUE_FULL
1119	REPF_OBJECT_NOT_IN_USE
1120	REPF_INVALID_ST_ATTRIBUTE_VALUE
1121	REPF_INVALID_SN_ATTRIBUTE_VALUE

Table continues on next page

1122	REPF_SN_ATTRIBUTE_MISSING
1123	REPF_ST_ATTRIBUTE_MISSING
1124	REPF_INVALID_TC_ATTRIBUTE_VALUE
1125	REPF_INVALID_CP_ATTRIBUTE_VALUE
1126	REPF_INVALID_FI_ATTRIBUTE_VALUE FI is not an integer.
1127	REPF_INVALID_FX_ATTRIBUTE_VALUE FX is non-text.
1128	REPF_INVALID_VT_ATTRIBUTE_VALUE VT is none of the allowed keyword values.
1129	REPF_INVALID_VL_ATTRIBUTE_VALUE VL is not an integer.
1130	REPF_VL_ATTRIBUTE_OUT_OF_RANGE VL is out of range. See description of data object attribute VL for valid values.
1131	REPF_VT_ATTRIBUTE_MAY_NOT_BE_CHANGED Attempt to change VT attribute value directly or indirectly via COPY command.
1133	REPF_INVALID_SP_ATTRIBUTE_VALUE The SP attribute is of invalid data type or out of range.
1134	REPF_INVALID_DP_ATTRIBUTE_VALUE The DP attribute is of invalid data type or out of range.
1135	REPF_SP_YES_INVALID_WHEN_MO The SP attribute of a memory-only time channel may not be "YES".
1136	REPF_BAD_LOGGING_PROFILE_ATTRIBUTE_STATUS
1137	REPF_LOGGING_PROFILE_ALREADY_EXISTS
1138	REPF_LOGGING_PROFILE_DOES_NOT_EXIST
1139	REPF_UNKNOWN_LOGGING_PROFILE_ATTRIBUTE
1140	REPF_LOGGING_PROFILE_TABLE_FULL
1142	REPF_LOGGING_TAG_TABLE_FULL Too many database objects connected to logging.
1143	REPF_LOGGING_PROFILE_OF_WRONG_PT
1144	REPF_INVALID_LN_ATTRIBUTE_VALUE
1145	REPF_INVALID_DI_ATTRIBUTE_VALUE
1148	REPF_INVALID_CA_ATTRIBUTE_VALUE
1149	REPF_INVALID_DA_ATTRIBUTE_VALUE
1150	REPF_INVALID_US_ATTRIBUTE_VALUE
1151	REPF_INVALID_PW_ATTRIBUTE_VALUE
1152	REPF_INVALID_NP_ATTRIBUTE_VALUE
1153	REPF_INVALID_HC_ATTRIBUTE_VALUE
1154	REPF_0_1_VALUE_EXPECTED
1155	REPF_INVALID_DISCRETENESS
1157	REPF_ATTRIBUTE_CONTAINS_DUPLICATES
1158	REPF_PT_ATTRIBUTE_MISSING
1159	REPF_INVALID_PT_ATTRIBUTE_VALUE
1160	REPF_REFERENCE_COUNT_NON_ZERO Attempt to delete a logging profile which is still used by another database object.
1161	REPF_LOGGING_NAME_TOO_LONG Attempt to create a Historian tag with a name longer than 32 characters.
1163	REPF_PT_ATTRIBUTE_NOT_MODIFIABLE

Table continues on next page

1164	REPF_DB_TAG_TABLE_FULL Too many Historian tags are created.
1165	REPF_VT_NOT_VALID_FOR_LOGGING Only integer and real type data objects may be logged.
1166	REPF_LOGGING_PROFILES_MAY_NOT_BE_RENAMED
1167	REPF_LOGGING_DATABASE_NOT_CONNECTED
1168	REPF_INVALID_ND_ATTRIBUTE_VALUE
1169	REPF_INVALID_DD_ATTRIBUTE_VALUE
1170	REPF_INVALID_ED_ATTRIBUTE_VALUE
1171	REPF_DUPLICATE_DA_ATTRIBUTE_VALUE Two DATABASE logging profiles must not have the same database address.
1172	REPF_LOGGING_DATABASE_IS_IN_USE Attributes DA, US and PW can be modified only when the DATABASE logging profile object is out of use (IU = 0).
1173	REPF_INVALID_RX_ATTRIBUTE_VALUE
1499	REPF_INITIALIZED
1501	REPR_INSTRUCTION_NOT_FOR_SCIL
1502	REPR_BOOLEAN_EXPRESSION_EXPECTED
1503	REPR_NUMERIC_VALUE_EXPECTED The command procedure contains a picture command or the characters # and @ are missing in the beginning of the line.
1504	REPR_RECURSIVE_TIME_CHANNEL_EXECUTION
1505	REPR_INTEGER_VALUE_EXPECTED This status code is generated by the REPR processes, if the evaluation of the data expression (IN attribute) results in an invalid data type.
1506	REPR_TIME_VALUE_EXPECTED This status code is generated by the REPR processes, if the evaluation of the data expression (IN attribute) results in an invalid data type.
1507	REPR_TEXT_VALUE_EXPECTED This status code is generated by the REPR processes, if the evaluation of the data expression (IN attribute) results in an invalid data type.
1508	REPR_TEXT_VALUE_TOO_LONG This status code is generated by the REPR processes, if the evaluation of the data expression (IN attribute) results in a text that is longer than the VL attribute allows.

4.3.4 Process Database (PROF and TOPO) Status Codes

2001	PROF_ATTRIBUTE_DOES_NOT_EXIST The process object has not got the attribute in question.
2005	PROF_DATATYPE_SYNCHRONIZE_ERROR The base system and the frontend do not communicate properly. Contact a Hitachi ABB Power Grids representative.
2012	PROF_OBJECT_ON_MANUAL The GET command is not allowed if the object is on MANUAL.
2013	PROF_OBJECT_SWITCHED_OFF While the object is switched off, it cannot be updated with GET, and the object value attributes (OV, BI, BO, AI, AO, etc.) cannot be written with SET.
2014	PROF_OUTPUT_NOT_WITHIN_LIMITS You have tried to set the AO attribute value outside the range LO .. HO.
2017	PROF_UNSUPPORTED_DATATYPE_IN_UPDATE The base system and the frontend do not communicate properly. Contact a Hitachi ABB Power Grids representative.

Table continues on next page

2018	PROF_UPDATE_CAPABILITY_ERROR The BI, AI, DI, PC, DB attributes of a genuine (not fictitious) process object cannot be written with the SET command if the object is in AUTO state.
2019	PROF_LOGICAL_INDEX_TOO_HIGH The index of a process object may be at most 65535.
2020	PROF_ILLEGAL_VALUE_TYPE
2021	PROF_ATTRIBUTE_NOT_UPDATABLE
2022	PROF_ATTRIBUTE_NOT_GETTABLE
2023	PROF_ATTRIBUTE_VALUE_OUT_OF_RANGE
2054	PROF_OBJECT_NOT_IN_USE
2055	PROF_UNKNOWN_ATTRIBUTE
2056	PROF_OBJECT_DOES_NOT_EXIST
2057	PROF_INDEX_DOES_NOT_EXIST
2058	PROF_SCALE_OBJECTS_NOT_GETTABLE
2059	PROF_PROCESS_GROUP_TABLE_FULL
2060	PROF_PROCESS_OBJECT_TABLE_FULL
2061	PROF_SCALE_OBJECT_TABLE_FULL
2063	PROF_UNKNOWN_SCALING_ALGORITHM
2064	PROF_NON_INTEGER_SCALING_ALGORITHM
2065	PROF_ILLEGAL_SCALING_CONSTANT
2066	PROF_BAD_SCALING_CONSTANT_STATUS
2067	PROF_TOO_MANY_SCALING_CONSTANTS
2068	PROF_BAD_SCALE_ATTRIBUTE_STATUS
2069	PROF_SCALING_CONSTANTS_MISSING
2070	PROF_SCALING_ALGORITHM_MISSING
2071	PROF_SCALE_ALREADY_EXISTS
2072	PROF_SCALE_DOES_NOT_EXIST
2073	PROF_SCALE_REFERENCE_COUNT_NON_ZERO
2074	PROF_ATTRIBUTE_NOT_INDEXED
2075	PROF_SCALING_CONSTANT_INDEX_TOO_HIGH
2076	PROF_ADDRESS_DOES_NOT_EXIST
2077	PROF_GROUP_REFERENCE_COUNT_NON_ZERO
2078	PROF_INVALID_LN_ATTRIBUTE_VALUE
2079	PROF_IX_ATTRIBUTE_OUT_OF_RANGE
2080	PROF_INVALID_IX_ATTRIBUTE_VALUE
2081	PROF_UN_ATTRIBUTE_OUT_OF_RANGE
2082	PROF_INVALID_UN_ATTRIBUTE_VALUE
2083	PROF_INVALID_OA_ATTRIBUTE_VALUE
2084	PROF_OB_ATTRIBUTE_OUT_OF_RANGE
2085	PROF_INVALID_OB_ATTRIBUTE_VALUE
2086	PROF_OT_ATTRIBUTE_OUT_OF_RANGE
2087	PROF_INVALID_OT_ATTRIBUTE_VALUE
2088	PROF_SS_ATTRIBUTE_OUT_OF_RANGE
2089	PROF_INVALID_SS_ATTRIBUTE_VALUE
2090	PROF_INVALID_IU_ATTRIBUTE_VALUE

Table continues on next page

2091	PROF_INVALID_ST_ATTRIBUTE_VALUE
2092	PROF_INVALID_SN_ATTRIBUTE_VALUE
2093	PROF_INVALID_AI_ATTRIBUTE_VALUE
2094	PROF_INVALID_HI_ATTRIBUTE_VALUE
2095	PROF_INVALID_LI_ATTRIBUTE_VALUE
2096	PROF_INVALID_AO_ATTRIBUTE_VALUE
2097	PROF_INVALID_HO_ATTRIBUTE_VALUE
2098	PROF_INVALID_LO_ATTRIBUTE_VALUE
2099	PROF_INVALID_BI_ATTRIBUTE_VALUE
2100	PROF_INVALID_BO_ATTRIBUTE_VALUE
2101	PROF_INVALID_AG_ATTRIBUTE_VALUE
2102	PROF_AC_ATTRIBUTE_OUT_OF_RANGE
2103	PROF_INVALID_AC_ATTRIBUTE_VALUE
2104	PROF_INVALID_AE_ATTRIBUTE_VALUE
2105	PROF_INVALID_AN_ATTRIBUTE_VALUE
2107	PROF_INVALID_RC_ATTRIBUTE_VALUE
2108	PROF_INVALID_AB_ATTRIBUTE_VALUE
2109	PROF_LD_ATTRIBUTE_OUT_OF_RANGE
2110	PROF_INVALID_LD_ATTRIBUTE_VALUE
2111	PROF_PD_ATTRIBUTE_OUT_OF_RANGE
2112	PROF_INVALID_PD_ATTRIBUTE_VALUE
2113	PROF_INVALID_PI_ATTRIBUTE_VALUE
2114	PROF_INVALID_CX_ATTRIBUTE_VALUE
2115	PROF_INVALID_OX_ATTRIBUTE_VALUE
2116	PROF_INVALID_DX_ATTRIBUTE_VALUE
2117	PROF_INVALID_LF_ATTRIBUTE_VALUE
2118	PROF_INVALID_PF_ATTRIBUTE_VALUE
2119	PROF_INVALID_EE_ATTRIBUTE_VALUE
2120	PROF_INVALID_HE_ATTRIBUTE_VALUE
2122	PROF_BAD_PROCESS_ATTRIBUTE_STATUS
2123	PROF_GT_ATTRIBUTE_OUT_OF_RANGE
2124	PROF_INVALID_GT_ATTRIBUTE_VALUE
2125	PROF_INVALID_GC_ATTRIBUTE_VALUE
2126	PROF_OBJECT_ALREADY_EXISTS
2127	PROF_NEITHER_PT_NOR_OV_ATTRIBUTE_GIVEN
2129	PROF_PT_ATTRIBUTE_OUT_OF_RANGE
2130	PROF_INVALID_PT_ATTRIBUTE_VALUE
2131	PROF_BIT_ADDRESS_MISSING
2133	PROF_LO_AND_HO_OUT_OF_ORDER
2134	PROF_BIT_ADDRESS_NOT_ALLOWED
2135	PROF_INDEX_ALREADY_EXISTS
2136	PROF_PHYSICAL_ADDRESS_OVERLAP
2137	PROF_AA_ATTRIBUTE_OUT_OF_RANGE
2138	PROF_INVALID_AA_ATTRIBUTE_VALUE

Table continues on next page

2139	PROF_INVALID_AF_ATTRIBUTE_VALUE
2140	PROF_HA_ATTRIBUTE_OUT_OF_RANGE
2141	PROF_INVALID_HA_ATTRIBUTE_VALUE
2142	PROF_INVALID_HF_ATTRIBUTE_VALUE
2143	PROF_ALARM_LIMITS_OUT_OF_ORDER
2144	PROF_SE_AND_SP_NOT_SUPPORTED_BY_STATION SE and SP attributes are not supported by the BO process object.
2144	PROF_SE_AND_SP_NOT_SUPPORTED_BY_STATION
2145	PROF_PA_ATTRIBUTE_OUT_OF_RANGE
2146	PROF_INVALID_PA_ATTRIBUTE_VALUE
2147	PROF_DB_ATTRIBUTE_OUT_OF_RANGE
2148	PROF_INVALID_DB_ATTRIBUTE_VALUE
2149	PROF_LA_ATTRIBUTE_OUT_OF_RANGE
2150	PROF_INVALID_LA_ATTRIBUTE_VALUE
2151	PROF_INVALID_DI_ATTRIBUTE_VALUE
2152	PROF_INVALID_DO_ATTRIBUTE_VALUE
2153	PROF_INVALID_LW_ATTRIBUTE_VALUE
2154	PROF_INVALID_HW_ATTRIBUTE_VALUE
2155	PROF_INVALID_SZ_ATTRIBUTE_VALUE
2156	PROF_INVALID_PC_ATTRIBUTE_VALUE
2157	PROF_INVALID_SC_ATTRIBUTE_VALUE
2158	PROF_BC_ATTRIBUTE_OUT_OF_RANGE
2159	PROF_INVALID_BC_ATTRIBUTE_VALUE
2160	PROF_ODD_OB_NOT_ALLOWED
2162	PROF_INVALID_ATTRIBUTE_IN_LIST_SET
2163	PROF_OV_ATTRIBUTE_MISSING_IN_LIST_SET
2165	PROF_OBJECT_ON_AUTO
2166	PROF_INDEX_RANGE_NOT_ALLOWED
2167	PROF_INVALID_RT_ATTRIBUTE_VALUE
2168	PROF_INVALID_RM_ATTRIBUTE_VALUE
2169	PROF_INVALID_PU_ATTRIBUTE_VALUE
2170	PROF_INVALID_NV_ATTRIBUTE_VALUE
2171	PROF_NV_ATTRIBUTE_OUT_OF_RANGE
2172	PROF_INVALID_FI_ATTRIBUTE_VALUE
2173	PROF_INVALID_FX_ATTRIBUTE_VALUE
2174	PROF_VERSION_NUMBER_MISMATCH
2175	PROF_INCONSISTENT_DATA_RECORD
2176	PROF_NO_MORE_FOUND
2177	PROF_OA_ATTRIBUTE_OUT_OF_RANGE
2178	PROF_DI_ATTRIBUTE_OUT_OF_RANGE
2179	PROF_DO_ATTRIBUTE_OUT_OF_RANGE
2181	PROF_INVALID_BS_ATTRIBUTE_VALUE
2182	PROF_INCONSISTENT_SCALE_RECORD
2183	PROF_SCALING_CONSTANTS_OUT_OF_ORDER

Table continues on next page

2184	PROF_INVALID_SCALING_CONSTANT_COUNT
2185	PROF_INVALID_CE_ATTRIBUTE_VALUE
2186	PROF_INVALID_CL_ATTRIBUTE_VALUE
2187	PROF_OBJECT_IS_NOT_FREE_TYPE
2188	PROF_INTERNAL_ERROR
2189	PROF_F_OBJECT_IS_MISSING
2190	PROF_INDEX_OUT_OF_RANGE
2191	PROF_VECTOR_ATTRIBUTE_LENGTH_ERROR
2192	PROF_BAD_ATTRIBUTE_VALUE_STATUS
2193	PROF_UNSIGNED_1_ATTRIBUTE_OUT_OF_RANGE
2194	PROF_SIGNED_1_ATTRIBUTE_OUT_OF_RANGE
2195	PROF_UNSIGNED_2_ATTRIBUTE_OUT_OF_RANGE
2196	PROF_SIGNED_2_ATTRIBUTE_OUT_OF_RANGE
2197	PROF_INTEGER_ATTRIBUTE_TYPE_MISMATCH
2198	PROF_REAL_ATTRIBUTE_TYPE_MISMATCH
2199	PROF_BOOLEAN_ATTRIBUTE_TYPE_MISMATCH
2200	PROF_TIME_ATTRIBUTE_TYPE_MISMATCH
2201	PROF_TEXT_ATTRIBUTE_TYPE_MISMATCH
2202	PROF_BIT_STRING_ATTRIBUTE_TYPE_MISMATCH
2203	PROF_BIT_STRING_ATTRIBUTE_LENGTH_ERROR
2204	PROF_FREE_TYPE_OBJECTS_NOT_GETTABLE
2205	PROF_FREE_TYPE_DOES_NOT_EXIST
2206	PROF_ZERO_LENGTH_VECTOR_VALUE
2207	PROF_INVALID_AX_ATTRIBUTE_VALUE
2208	PROF_INVALID_AP_ATTRIBUTE_VALUE
2209	PROF_INVALID_AH_ATTRIBUTE_VALUE
2210	PROF_INVALID_AD_ATTRIBUTE_VALUE
2211	PROF_INVALID_AS_ATTRIBUTE_VALUE
2212	PROF_FREE_ATTRIBUTE_NAME_ALREADY_IN_USE
2213	PROF_FREE_TYPE_REFERENCE_COUNT_NON_ZERO
2214	PROF_DUPLICATE_FREE_TYPE_OBJECT_NAME
2215	PROF_DUPLICATE_PT_ATTRIBUTE_VALUE
2216	PROF_A_ATTRIBUTES_MUST_HAVE_SAME_SIZE
2217	PROF_TOO_MANY_FREE_ATTRIBUTES
2218	PROF_A_ATTRIBUTES_MUST_BE_VECTOR_TYPE
2219	PROF_PT_ATTRIBUTE_MISSING
2220	PROF_AN_ATTRIBUTE_MISSING
2221	PROF_AT_ATTRIBUTE_MISSING
2222	PROF_AL_ATTRIBUTE_MISSING
2223	PROF_FREE_TYPE_ALREADY_EXISTS
2224	PROF_INVALID_OV_ATTRIBUTE_VALUE
2225	PROF_AI_ATTRIBUTE_OUT_OF_RANGE
2226	PROF_INVALID_AT_ATTRIBUTE_VALUE
2227	PROF_INVALID_AL_ATTRIBUTE_VALUE

Table continues on next page

2228	PROF_AL_ATTRIBUTE_OUT_OF_RANGE
2229	PROF_FREE_ATTRIBUTE_SPACE_EXHAUSTED
2230	PROF_AI_ATTRIBUTE_MAY_NOT_BE_MODIFIED
2231	PROF_AT_ATTRIBUTE_MAY_NOT_BE_MODIFIED
2232	PROF_AL_ATTRIBUTE_MAY_NOT_BE_MODIFIED
2233	PROF_LN_ATTRIBUTE_MAY_NOT_BE_MODIFIED
2234	PROF_PT_ATTRIBUTE_MAY_NOT_BE_MODIFIED
2235	PROF_OV_ATTRIBUTE_MAY_NOT_BE_INDEXED
2236	PROF_WRITING_TOO_MANY_BYTES
2237	PROF_TEXT_ATTRIBUTE_LENGTH_ERROR
2238	PROF_NO_OV_ATTRIBUTE_IN_FREE_TYPE
2239	PROF_AD_ATTRIBUTE_OUT_OF_RANGE
2240	PROF_INVALID_OS_ATTRIBUTE_VALUE
2242	PROF_MEMORY_EXHAUSTED
2243	PROF_HISTORY_OBJECT_TABLE_FULL
2244	PROF_INVALID_HL_ATTRIBUTE_VALUE
2245	PROF_HL_ATTRIBUTE_OUT_OF_RANGE
2246	PROF_OBJECT_IS_FREE_TYPE
2247	PROF_INVALID_OI_ATTRIBUTE_VALUE
2248	PROF_INVALID_RI_ATTRIBUTE_VALUE
2249	PROF_INVALID_RX_ATTRIBUTE_VALUE
2250	PROF_INVALID_PH_ATTRIBUTE_VALUE
2251	PROF_INVALID_HH_ATTRIBUTE_VALUE
2252	PROF_INVALID_AZ_ATTRIBUTE_VALUE
2253	PROF_INVALID_OF_ATTRIBUTE_VALUE
2254	PROF_INVALID_BL_ATTRIBUTE_VALUE
2255	PROF_INVALID_SB_ATTRIBUTE_VALUE
2256	PROF_INVALID_OR_ATTRIBUTE_VALUE
2257	PROF_INVALID_RA_ATTRIBUTE_VALUE
2258	PROF_INVALID_RB_ATTRIBUTE_VALUE
2259	PROF_INVALID_CT_ATTRIBUTE_VALUE
2260	PROF_INVALID_ZD_ATTRIBUTE_VALUE
2261	PROF_INVALID_ZE_ATTRIBUTE_VALUE
2262	PROF_INVALID_EP_ATTRIBUTE_VALUE
2263	PROF_OBJECT_UPDATE_BLOCKED
2264	PROF_CT_HISTORY_NOT_IMPLEMENTED_FOR_FREE_OBJECTS
2265	PROF_INVALID_PB_ATTRIBUTE_VALUE
2266	PROF_INVALID_XB_ATTRIBUTE_VALUE
2267	PROF_INVALID_HB_ATTRIBUTE_VALUE
2268	PROF_INVALID_UB_ATTRIBUTE_VALUE
2269	PROF_INVALID_OG_ATTRIBUTE_VALUE
2270	PROF_OG_ATTRIBUTE_OUT_OF_RANGE
2271	PROF_INVALID_QL_ATTRIBUTE_VALUE
2272	PROF_QL_ATTRIBUTE_OUT_OF_RANGE

Table continues on next page

2273	PROF_INVALID_TY_ATTRIBUTE_VALUE
2274	PROF_TY_ATTRIBUTE_OUT_OF_RANGE
2275	PROF_INVALID_TH_ATTRIBUTE_VALUE
2276	PROF_CT_ATTRIBUTE_OUT_OF_RANGE
2277	PROF_INVALID_SE_ATTRIBUTE_VALUE
2278	PROF_INVALID_HT_ATTRIBUTE_VALUE
2279	PROF_INVALID_HM_ATTRIBUTE_VALUE
2280	PROF_HM_ATTRIBUTE_OUT_OF_RANGE
2281	PROF_INVALID_HD_ATTRIBUTE_VALUE
2282	PROF_HD_ATTRIBUTE_OUT_OF_RANGE
2283	PROF_INVALID_ET_ATTRIBUTE_VALUE
2284	PROF_INVALID_EM_ATTRIBUTE_VALUE
2285	PROF_EM_ATTRIBUTE_OUT_OF_RANGE
2286	PROF_INVALID_ED_ATTRIBUTE_VALUE
2287	PROF_ED_ATTRIBUTE_OUT_OF_RANGE
2288	PROF_INVALID_CA_ATTRIBUTE_VALUE
2289	PROF_INVALID_EX_ATTRIBUTE_VALUE
2290	PROF_OS_ATTRIBUTE_OUT_OF_RANGE
2291	PROF_RM_ATTRIBUTE_OUT_OF_RANGE
2292	PROF_INVALID_AM_ATTRIBUTE_VALUE
2293	PROF_AM_ATTRIBUTE_OUT_OF_RANGE
2294	PROF_INVALID_YT_ATTRIBUTE_VALUE
2295	PROF_INVALID_YM_ATTRIBUTE_VALUE
2296	PROF_YM_ATTRIBUTE_OUT_OF_RANGE
2297	PROF_INVALID_AR_ATTRIBUTE_VALUE
2298	PROF_INVALID_CO_ATTRIBUTE_VALUE
2299	PROF_INVALID_SP_ATTRIBUTE_VALUE
2300	PROF_INVALID_MV_ATTRIBUTE_VALUE
2301	PROF_INVALID_XV_ATTRIBUTE_VALUE
2302	PROF_INVALID_MT_ATTRIBUTE_VALUE
2303	PROF_INVALID_MM_ATTRIBUTE_VALUE
2304	PROF_MM_ATTRIBUTE_OUT_OF_RANGE
2305	PROF_INVALID_XT_ATTRIBUTE_VALUE
2306	PROF_INVALID_XM_ATTRIBUTE_VALUE
2307	PROF_XM_ATTRIBUTE_OUT_OF_RANGE
2308	PROF_AZ_ATTRIBUTE_OUT_OF_RANGE
2309	PROF_INVALID_TI_ATTRIBUTE_VALUE
2310	PROF_INVALID_IR_ATTRIBUTE IR value should be integer 0 or 1 (or boolean FALSE or TRUE).
2311	PROF_IR_ATTRIBUTE_MAY_NOT_BE_MODIFIED IR attribute may not be changed by SET or MODIFY.
2312	PROF_SCALE_NOT_ALLOWED_WHEN_IR_IS_1 Integer value AI objects are not scaled.
2313	PROF_INVALID_SU_ATTRIBUTE_VALUE SU should be set to integer value 0 or 1 (or boolean value FALSE or TRUE).

Table continues on next page

2314	PROF_OBJECT_ADDRESS_NOT_ALLOWED OA attribute must be 0 for FT process objects.
2315	PROF_INVALID_FN_ATTRIBUTE_VALUE FN attribute should have a file tag value.
2316	PROF_INVALID_ID_ATTRIBUTE_VALUE ID attribute should have a byte string value.
2317	PROF_OBJECT_NOT_ON_AUTO File transfer possible only if SS == AUTO.
2319	PROF_FILE_TRANSFER_IN_PROGRESS Trying to set FF, ID or FN attribute while file transfer is in progress.
2320	PROF_FILE_TRANSFER_TIMEOUT NET has not sent anything for a minute.
2321	PROF_FILE_TRANSFER_CANCELED NET has sent a message belonging to a file transfer that has been canceled.
2322	PROF_INVALID_FILE_TRANSFER_ID NET has sent a message belonging to an inactive file transfer.
2323	PROF_INVALID_FILE_TRANSFER_DATA NET has sent a file transfer message that SYS cannot interpret.
2324	PROF_MESSAGE_SEQUENCE_NUMBER_OUT_OF_ORDER A file transfer message NET -> SYS has been lost.
2325	PROF_SU_ATTRIBUTE_NOT_SUPPORTED The SU attribute is not implemented for free type process objects.
2326	PROF_INVALID_TT_ATTRIBUTE_VALUE
2327	PROF_TT_ATTRIBUTE_OUT_OF_RANGE
2328	PROF_MIRROR_CONFIGURATION_MISMATCH The mirroring configurations in the image application and in the host application do not match.
2329	PROF_MIRRORING_HOST_DISCONNECTED The host application is disconnected.
2330	PROF_INVALID_PO_ATTRIBUTE_VALUE The PO attribute is of invalid data type or out of range.
2332	PROF_IMAGE_DISABLED Mirroring to the image application has been disabled.
2333	PROF_HOST_DISABLED Mirroring from the host application has been disabled.
2334	PROF_INVALID_GI_ATTRIBUTE_VALUE The GI attribute is of invalid data type or out of range.
2335	PROF_INVALID_RQ_ATTRIBUTE_VALUE The RQ attribute is of invalid data type or out of range.
2336	PROF_INVALID_ON_ATTRIBUTE_VALUE The ON attribute is of invalid data type.
2337	PROF_EH_ATTRIBUTE_NOT_IMPLEMENTED EH attribute is not implemented for process objects of user-defined types.
2338	PROF_INVALID_EH_ATTRIBUTE_VALUE The EH attribute does not denote an object name.
2339	PROF_EVENT_HANDLING_DOES_NOT_EXIST The event handling (H) object does not exist.
2340	PROF_EVENT_HANDLING_ALREADY_EXISTS Attempt to create an H object that already exists.
2341	PROF_EVENT_HANDLING_OBJECT_TABLE_FULL The maximum number of H objects (~ 65 000) exceeded.
2342	PROF_EVENT_HANDLING_OBJECTS_NOT_GETTABLE You cannot apply #GET command to H objects

Table continues on next page

2343	PROF_EVENT_HANDLING_REFERENCE_COUNT_NON_ZERO Attempt to delete an H object that is referenced by process objects.
2345	PROF_INVALID_VC_ATTRIBUTE_VALUE The VC attribute is of invalid data type.
2346	PROF_VC_ATTRIBUTE_OUT_OF_RANGE The VC attribute value is not in the range 0 ... 255.
2347	PROF_INVALID_VL_ATTRIBUTE_VALUE The VL attribute is of invalid data type.
2348	PROF_ST_ATTRIBUTE_LENGTH_MISMATCH The length of the ST attribute does not match with the value of the VC attribute.
2349	PROF_MT_ATTRIBUTE_LENGTH_MISMATCH The length of the MT attribute does not match with the value of the VC attribute.
2350	PROF_PREDEFINED_H_OBJECTS_ARE_READ_ONLY Attempt to modify or delete a predefined event handling object.
2351	PROF_INVALID_VF_ATTRIBUTE_VALUE The VF attribute is of invalid data type.
2352	PROF_INVALID_VF_ATTRIBUTE_SYNTAX The syntax of the VF attribute is incorrect.
2353	PROF_VC_ATTRIBUTE_NOT_ASCENDING The elements of the VC attribute vector are not given in ascending order.
2354	PROF_INVALID_IN_ATTRIBUTE_VALUE The IN attribute is of invalid data type.
2355	PROF_DUPLICATE_IN_ATTRIBUTE_VALUE There already exists an object with the same IN attribute value in the same unit.
2356	PROF_IN_ATTRIBUTE_TOO_LONG The length of the IN attribute exceeds 255 characters.
2357	PROF_INVALID_IG_ATTRIBUTE_VALUE The IG attribute is of invalid data type.
2358	PROF_IG_ATTRIBUTE_TOO_LONG The length of the IG attribute exceeds 255 characters.
2359	PROF_LIST_SET_NOT_SUPPORTED Type '#SET obj:POV = LIST(OV=...)' command not supported for this process object type.
2360	PROF_OBJECT_IS_ADDRESSED_BY_IN_ATTRIBUTE Attempt to address an IN-addressed process signal by using an OA address.
2361	PROF_OBJECT_IS_ADDRESSED_BY_OA_ATTRIBUTE Attempt to address an OA-addressed process signal by using an IN address.
2362	PROF_IN_ATTRIBUTE_MISSING Attempt to create a process object without an IN attribute, when the process object type requires one.
2363	PROF_INVALID_OE_ATTRIBUTE_VALUE
2364	PROF_OE_ATTRIBUTE_OUT_OF_RANGE
2365	PROF_EVENT_HANDLING_OBJECT_OF_WRONG_TYPE Attempt to connect an OE (OPC Event) type process object to a conventional (SYS) event handling object or a non-OE process object to an OPC A&E (AEC) event handling object.
2366	PROF_INVALID_ND_ATTRIBUTE_VALUE
2367	PROF_ND_ATTRIBUTE_OUT_OF_RANGE
2368	PROF_INVALID_CI_ATTRIBUTE_VALUE
2369	PROF_INVALID_CD_ATTRIBUTE_VALUE
2370	PROF_AEC_EVENT_ALREADY_DEFINED An event handling object for this ND/CI/ET/CN combination already exists.

Table continues on next page

2371	PROF_CONDITION_NAME_NOT_ALLOWED Condition name allowed only for condition event handling objects (ET = "CONDITION").
2372	PROF_CONDITION_NAME_MISSING Condition name is mandatory for condition event handling objects (ET = "CONDITION").
2373	PROF_SUBCONDITION_NAMES_NOT_ALLOWED Subcondition names are allowed only for multi-state conditions.
2374	PROF_ATTRIBUTE_MAY_NOT_BE_MODIFIED Attributes ND, CI, ET and CN of an AEC event handling object may not be modified after the object has been created.
2375	PROF_INVALID_CN_ATTRIBUTE_VALUE
2376	PROF_DUPLICATE_AE_EVENT_ADDRESS A process object connected to this OPC A&E event already exists.
2377	PROF_TOO_MANY_CONDITIONS_FOR_THE_SOURCE
2378	PROF_OE_OBJECTS_ALLOWED_ONLY_IN_OAE_STATIONS Attempt to create an OE process object in a unit that is not an OAE station.
2379	PROF_MORE_THAN_ONE_UNIT_IN_AN_OPC_AE_NODE Only one unit of an application may be connected to any OPC_AE node.
2380	PROF_EVENT_HANDLING_OBJECT_OF_WRONG_NODE The EH attribute refers to an event handling object of a node other than the node of the station.
2381	PROF_ATTRIBUTE_NOT_SETTABLE_IN_OE_OBJECTS Attributes IN and EH of an OE process object may not be changed by a #SET command (#MODIFY must be used instead).
2382	PROF_ONLY_OE_OBJECTS_ALLOWED_IN_OAE_STATIONS Attempt to create a non-OE process object in a unit that is an OAE station.
2383	PROF_NOT_A_CONDITION_EVENT Attempt to acknowledge an OPC A&E event that is not a condition event.
2384	PROF_NOT_AN_OPC_EVENT_OBJECT Attempt to acknowledge an OPC A&E event of a non-OE process object.
2385	PROF_CD_ATTRIBUTE_TOO_BIG Attempt to create a CD attribute that takes space more than 64 kB.
2386	PROF_OS_ATTRIBUTE_MISSING_IN_OE_LIST_SET Only the substituted OS attribute of an OE process object may be set in list format, for example, #SET OE_OBJECT:P = LIST(SU = 1, OS = 2)
2387	PROF_ONLY_OS_2_ALLOWED_IN_OE_LIST_SET The list format may only be used to set the object status (OS) to 2, no other value is accepted.
2388	PROF_INVALID_ES_ATTRIBUTE_VALUE
2389	PROF_DUPLICATE_ES_EH_ATTRIBUTE_VALUE Attempt to define two process objects with the same ES/EH attribute values.
2390	PROF_INVALID_OS_ET_ATTRIBUTE_VALUE
2391	PROF_INVALID_OS_CI_ATTRIBUTE_VALUE
2392	PROF_INVALID_OS_CD_ATTRIBUTE_VALUE
2393	PROF_INVALID_OS_SE_ATTRIBUTE_VALUE
2394	PROF_INVALID_OC_ATTRIBUTE_VALUE
2395	PROF_INVALID_OC_CI_ATTRIBUTE_VALUE
2396	PROF_INVALID_OC_CD_ATTRIBUTE_VALUE
2397	PROF_INVALID_OC_CN_ATTRIBUTE_VALUE
2398	PROF_INVALID_OC_DS_ATTRIBUTE_VALUE
2399	PROF_INVALID_OC_SI_ATTRIBUTE_VALUE
2400	PROF_INVALID_OC_SU_ATTRIBUTE_VALUE

Table continues on next page

2401	PROF_INVALID_OC_SI_CD_ATTRIBUTE_VALUE
2402	PROF_INVALID_OC_SI_SE_ATTRIBUTE_VALUE
2403	PROF_INVALID_OC_SU_SD_ATTRIBUTE_VALUE
2404	PROF_INVALID_OC_SU_SE_ATTRIBUTE_VALUE
2405	PROF_INVALID_OC_SU_SN_ATTRIBUTE_VALUE
2406	PROF_OS_ATTRIBUTE_UNDEFINED
2407	PROF_OC_ATTRIBUTE_UNDEFINED
2408	PROF_OS_CI_ATTRIBUTE_UNDEFINED
2409	PROF_OS_ET_ATTRIBUTE_UNDEFINED
2410	PROF_OS_SE_ATTRIBUTE_UNDEFINED
2411	PROF_OC_CN_ATTRIBUTE_UNDEFINED
2412	PROF_OC_CI_ATTRIBUTE_UNDEFINED
2413	PROF_OC_SI_ATTRIBUTE_UNDEFINED
2414	PROF_OC_SI_SE_ATTRIBUTE_UNDEFINED
2415	PROF_OC_SU_SN_ATTRIBUTE_UNDEFINED
2416	PROF_OC_SU_SE_ATTRIBUTE_UNDEFINED
2417	PROF_DUPLICATE_SUBCONDITION_NAME
2418	PROF_CATEGORY_EVENT_TYPE_MISMATCH
2419	PROF_CATEGORY_DESCRIPTION_MISMATCH
2420	PROF_OS_SE_ATTRIBUTE_OF_WRONG_LENGTH
2421	PROF_ST_ATTRIBUTE_TOO_SHORT
2422	PROF_DUPLICATE_CONDITION_NAME
2423	PROF_OPC_AE_SERVER_START_TIMEOUT Process oaes.exe did not start properly.
2424	PROF_INVALID_DP_ATTRIBUTE_VALUE
2425	PROF_DP_ATTRIBUTE_OUT_OF_RANGE
2426	PROF_INVALID_PV_ATTRIBUTE_VALUE
2427	PROF_INVALID_RZ_ATTRIBUTE_VALUE
2428	PROF_RZ_ATTRIBUTE_OUT_OF_RANGE
2429	PROF_UN_REFERES_TO_PRIMARY_OR_SECONDARY_STA
2430	PROF_TOPOLOGY_MODEL_ALREADY_EXISTS
2431	PROF_TOPOLOGY_MODEL_ALREADY_RUNNING
2433	PROF_TOPOLOGY_MODEL_DOES_NOT_EXIST
2434	PROF_TOPOLOGY_MODEL_IS_RUNNING
2435	PROF_TOPOLOGY_MODEL_NOT_STARTED
2437	PROF_NT_OBJECTS_NOT_CONFIGURABLE_BY_SCIL
2438	PROF_OBJECT_REFERENCED_BY_TOPOLOGY_MODEL
2439	PROF_ATTRIBUTE_NOT_SETTABLE_IN_NT_OBJECTS
2440	PROF_TOPOLOGY_SCHEMA_DOES_NOT_EXIST
2441	PROF_INVALID_NM_ATTRIBUTE_VALUE
2442	PROF_TOPOLOGY_CALCULATION_TOO_LENGTHY
2445	PROF_LOGGING_PROFILE_DOES_NOT_EXIST
2449	PROF_PT_NOT_VALID_FOR_LOGGING
2450	PROF_INVALID_TM_ATTRIBUTE_VALUE

Table continues on next page

2451	PROF_RECURSIVE_SDDL_EVALUATION The state or event text SDDL expression contains a reference to itself. For example, the state text (SX) contains a reference to attribute SX.
2452	PROF_INVALID_WC_ATTRIBUTE_VALUE
2453	PROF_WC_ATTRIBUTE_OUT_OF_RANGE
2454	PROF_INVALID_WR_ATTRIBUTE_VALUE
2455	PROF_WC_ATTRIBUTE_GIVEN_BUT_NO_AC Warning alarm class may not be specified when normal alarm class is not given.
2456	PROF_WC_AND_AC_ATTRIBUTE_MAY_NOT_BE_EQUAL Warning alarm and normal alarm must be distinct.
2457	PROF_WR_ATTRIBUTE_IS_1_BUT_RC_IS_0 Warning alarm is less severe than normal alarm.
2458	PROF_INVALID_CC_ATTRIBUTE_VALUE
2459	PROF_INVALID_CC_SUB_ATTRIBUTE_NAME
2460	PROF_CC_AD_MISSING
2461	PROF_CC_I_MISSING
2462	PROF_INVALID_CC_AD_VALUE
2463	PROF_INVALID_CC_I_VALUE
2464	PROF_INVALID_CC_XI_VALUE
2465	PROF_INVALID_CC_XO_VALUE
2466	PROF_INVALID_CC_XC_VALUE
2467	PROF_INVALID_CC_SO_VALUE
2468	PROF_INVALID_CC_SC_VALUE
2469	PROF_INVALID_CC_VO_VALUE
2470	PROF_INVALID_CC_VC_VALUE
2471	PROF_INVALID_CC_VX_VALUE
2472	PROF_INVALID_CC_VL_VALUE
2473	PROF_INVALID_CC_VR_VALUE
2474	PROF_INCONSISTENT_CC_ATTRIBUTE
2475	PROF_CC_DOUBLE_ROLE
2476	PROF_CC_ATTRIBUTE_TOO_BIG
2477	PROF_CC_ATTRIBUTE_NOT_ALLOWED_IN_CREATE Process object group attribute CC can be configured only after the related process objects have been created.
2478	PROF_HAS_ROLE_IN_CONTROL_SUPERVISION Process object cannot be deleted when it has a role in control supervision. Clear the process group attribute CC first.
2479	PROF_INVALID_CC_AC_VALUE
2480	PROF_CC_MT_MISSING
2481	PROF_INVALID_CC_MT_VALUE
2482	PROF_INVALID_CC_RC_VALUE
2483	PROF_INVALID_KQ_ATTRIBUTE_VALUE
2801	TOPO_MODEL_CONTAINS_ERRORS
2802	TOPO_MODEL_CONTAINS_EXTRA_FIELDS
2803	TOPO_MODEL_MALFORMED_COMMENT
2804	TOPO_MODEL_MALFORMED_GENERATION_DATE
2805	TOPO_MODEL_MALFORMED_GENERATOR_ID

Table continues on next page

2806	TOPO_MODEL_MALFORMED_NAME
2807	TOPO_MODEL_MISSING_NAME
2808	TOPO_MODEL_MISSING_SCHEMA
2809	TOPO_MODEL_MISSING_VERSION
2810	TOPO_MODEL_MISSING_GENERATION_DATE
2811	TOPO_MODEL_MISSING_GENERATOR_ID
2812	TOPO_MODEL_MISSING_OBJECTS
2813	TOPO_MODEL_OBJECTS_NOT_VECTOR_OR_EMPTY
2814	TOPO_MODEL_UNSUPPORTED_SCHEMA
2815	TOPO_MODEL_UNSUPPORTED_VERSION
2816	TOPO_OBJECT_CN_REFERENCES_MISSING_OBJECT
2817	TOPO_OBJECT_CN_CROSS_REFERENCE_NOT_FOUND
2818	TOPO_OBJECT_CONTAINS_EXTRA_FIELDS
2819	TOPO_OBJECT_IS_NOT_LIST
2820	TOPO_OBJECT_MALFORMED_CN
2821	TOPO_OBJECT_MALFORMED_CN_ITEM
2822	TOPO_OBJECT_MALFORMED_OBJECT_REF
2823	TOPO_OBJECT_MALFORMED_IX
2824	TOPO_OBJECT_MALFORMED_LN
2825	TOPO_OBJECT_MALFORMED_NS
2826	TOPO_OBJECT_MALFORMED_OI
2827	TOPO_OBJECT_MALFORMED_GENERATED_BY
2828	TOPO_OBJECT_MISSING_CN
2829	TOPO_OBJECT_MISSING_IX
2830	TOPO_OBJECT_MISSING_LN
2831	TOPO_OBJECT_MISSING_NS
2832	TOPO_OBJECT_NO_NOT_ALLOWED_FOR_NS
2833	TOPO_OBJECT_NO_REQUIRED_FOR_NS
2834	TOPO_TRIGGER_PO_NOT_FOUND
2835	TOPO_TRIGGER_PO_IN_ANOTHER_MODEL
2837	TOPO_TRIGGER_PO_NOT_DB_OR_BI
2838	TOPO_WARN_PROCESS_OBJECT_REF_CHANGED
2839	TOPO_DUPLICATE_REFERENCE
2840	TOPO_PO_NOT_AI
2841	TOPO_OBJECT_LV_NOT_ALLOWED_FOR_NS
2842	TOPO_MODEL_MALFORMED_BUILT_FROM
2843	TOPO_LEVELS_OUT_OF_ORDER
2844	TOPO_INVALID_LEVEL_DEFINITION
2845	TOPO_OBJECT_CH_NOT_ALLOWED_FOR_NS
2846	TOPO_OBJECT_CH_REFERENCES_MISSING_OBJ
2847	TOPO_NT_IN_ANOTHER_MODEL
2848	TOPO_NT_EXISTS
2849	TOPO_TRIGGER_PO_NOT_AI_OR_BI
2850	TOPO_DUPLICATE_OBJECT

4.3.5 NET Interface (NETI) Status Codes

3001	NETI_NO_SCS_DRIVER_FOR_DEVICE
3002	NETI_SPURIOUS_REPLY_TO_SCS The base system and the frontend do not communicate properly, contact a Hitachi ABB Power Grids representative.
3014	NETI_UNKNOWN_NS_INDEX

4.3.6 Picture Database (PICF) Status Codes

4001	PICF_INVALID_NAME An invalid name has been given to a picture, representation or window.
4002	PICF_NOT_FOUND The named picture, representation or window does not exist.
4003	PICF_ALREADY_EXISTS The name given to a picture, representation or window is already in use.
4004	PICF_END_OF_LIST
4005	PICF_SHARE_ERROR You are trying to edit, delete or rename a picture or representation which is in use (normally in another monitor).
4006	PICF_USE_ERROR Internal error situation in the base system program. Contact a Hitachi ABB Power Grids representative.
4007	PICF_NO_PIC_FILE The file is probably corrupted.
4009	PICF_DUPLICATE_PICTURE_FUNCTION_NAME
4010	PICF_TOO_MANY_PICTURE_FUNCTIONS
4014	PICF_DUPLICATE_WINDOW_NAME
4015	PICF_FUNCTION_KEY_OVERLAP
4016	PICF_TOO_MANY_REPRESENTATION_LIBRARIES
4018	PICF_MEMORY_EXHAUSTED
4019	PICF_ZERO_WIDTH_FIELD
4021	PICF_DUPLICATE_NAMED_PROGRAM_NAME
4022	PICF_FIELD_SPECIFICATION_TOO_LONG
4023	PICF_BACKGROUND_IN_ANCIENT_FORMAT
4024	PICF_PICTURE_IS_NOT_LOCKED Attempt to unlock a picture that is not locked.

4.3.7 Picture Graphics (PICO) Status Codes

4208	PICO_NOT_A_SETTABLE_ATTRIBUTE
4209	PICO_INVALID_PARAMETER
4211	PICO_ELEMENT_TYPE_MISSING
4212	PICO_INVALID_ELEMENT_TYPE
4213	PICO_X_ATTRIBUTE_MISSING
4214	PICO_INVALID_X_ATTRIBUTE
4215	PICO_Y_ATTRIBUTE_MISSING
4216	PICO_INVALID_Y_ATTRIBUTE

Table continues on next page

4217	PICO_X1_ATTRIBUTE_MISSING
4218	PICO_INVALID_X1_ATTRIBUTE
4219	PICO_Y1_ATTRIBUTE_MISSING
4220	PICO_INVALID_Y1_ATTRIBUTE
4221	PICO_X2_ATTRIBUTE_MISSING
4222	PICO_INVALID_X2_ATTRIBUTE
4223	PICO_Y2_ATTRIBUTE_MISSING
4224	PICO_INVALID_Y2_ATTRIBUTE
4225	PICO_WIDTH_ATTRIBUTE_MISSING
4226	PICO_INVALID_WIDTH_ATTRIBUTE
4227	PICO_HEIGHT_ATTRIBUTE_MISSING
4228	PICO_INVALID_HEIGHT_ATTRIBUTE
4229	PICO_RADIUS1_ATTRIBUTE_MISSING
4230	PICO_INVALID_RADIUS1_ATTRIBUTE
4231	PICO_RADIUS2_ATTRIBUTE_MISSING
4232	PICO_INVALID_RADIUS2_ATTRIBUTE
4233	PICO_RADIUS_ATTRIBUTE_MISSING
4234	PICO_INVALID_RADIUS_ATTRIBUTE
4235	PICO_ANGLE1_ATTRIBUTE_MISSING
4236	PICO_INVALID_ANGLE1_ATTRIBUTE
4237	PICO_ANGLE2_ATTRIBUTE_MISSING
4238	PICO_INVALID_ANGLE2_ATTRIBUTE
4239	PICO_INVALID_FILL_ATTRIBUTE
4240	PICO_INVALID_RELATIVE_ATTRIBUTE
4241	PICO_ELEMENT_NOT_FOUND
4242	PICO_INVALID_GC_NR_ATTRIBUTE
4243	PICO_INVALID_SCOPE_ATTRIBUTE
4244	PICO_INVALID_FUNCTION_ATTRIBUTE
4245	PICO_INVALID_FOREGROUND_ATTRIBUTE
4246	PICO_INVALID_BACKGROUND_ATTRIBUTE
4247	PICO_INVALID_LINE_WIDTH_ATTRIBUTE
4248	PICO_INVALID_LINE_STYLE_ATTRIBUTE
4249	PICO_INVALID_CAP_STYLE_ATTRIBUTE
4250	PICO_INVALID_JOIN_STYLE_ATTRIBUTE
4251	PICO_INVALID_ARC_MODE_ATTRIBUTE
4252	PICO_INVALID_FONT_ATTRIBUTE
4253	PICO_INVALID_DASH_LIST_ATTRIBUTE
4254	PICO_INVALID_DASH_OFFSET_ATTRIBUTE
4255	PICO_INVALID_NAME_ATTRIBUTE
4256	PICO_TEXT_ATTRIBUTE_MISSING
4257	PICO_INVALID_TEXT_ATTRIBUTE
4259	PICO_INVALID_ALIGN_ATTRIBUTE
4261	PICO_FILENAME_ATTRIBUTE_MISSING

Table continues on next page

4262	PICO_INVALID_FILENAME_ATTRIBUTE
4263	PICO_IMAGES_ATTRIBUTE_MISSING
4264	PICO_INVALID_IMAGE_ATTRIBUTE

4.3.8 File Handling (FILE) Status Codes

5001	FILE_ILLEGAL_FILE_NAME
5002	FILE_END_OF_FILE
5003	FILE_I_O_ERROR
5004	FILE_NO_SPACE_ON_VOLUME
5005	FILE_SHARING_CONFLICT
5007	FILE_DOES_NOT_EXIST
5008	FILE_ALREADY_EXISTS
5009	FILE_IN_USE
5010	FILE_PATH_DOES_NOT_EXIST
5012	FILE_RECORD_NOT_FOUND
5013	FILE_RECORD_ALREADY_EXISTS
5014	FILE_NO_FREE_BLOCKS
5015	FILE_INCONSISTENT
5016	FILE_INVALID_KEY_SIZE
5017	FILE_DIRECTORY_NOT_EMPTY
5018	FILE_DEVICE_NOT_INITIALIZED
5019	FILE_DEVICE_ALREADY_INITIALIZED
5020	FILE_DEVICE_OR_DIRECTORY_DOES_NOT_EXIST
5022	FILE_TOO_MANY_DIRECTORIES_OPEN
5023	FILE_MEMORY_EXHAUSTED
5024	FILE_TIMEOUT
5025	FILE_NOT_IMPLEMENTED
5026	FILE_DIRECTORY_DOES_NOT_EXIST
5027	FILE_CREATE_DIRECTORY_FAILED
5028	FILE_NAME_RESERVED_TO_OPERATING_SYSTEM
5029	FILE_PIPES_NOT_SUPPORTED
5030	FILE_DRIVE_DOES_NOT_EXIST
5031	FILE_ACCESS_DENIED
5032	FILE_NETWORK_ACCESS_FAILED
5033	FILE_NOT_SAME_DEVICE
5034	FILE_WRITE_PROTECTED
5035	FILE_RECORD_TOO_LONG
5036	FILE_DIRECTORY_IN_USE
5037	FILE_DRIVE_NOT_READY
5038	FILE_INVALID_FILE_VERSION File version number of a file is invalid, the file is corrupted.
5039	FILE_LOCAL_EXISTS

4.3.9 OPC Data Access Server (OPCS) Status Codes

5501	OPCS_ITEM_NAME_TOO_LONG OPC item name is too long (> 255 characters).
5502	OPCS_INVALID_CHARACTER_IN_ITEM_NAME OPC item name contains an invalid character.
5503	OPCS_INVALID_USE_OF_DELIMITERS_IN_ITEM_NAME For example, two consecutive dots.
5504	OPCS_INVALID_USE_OF_SPACES_IN_ITEM_NAME For example, leading or trailing spaces.
5505	OPCS_ITEM_NAME_ALREADY_EXISTS Attempt to give the same value to the ON attribute of two objects.
5507	OPCS_SERVER_START_TIMEOUT The OPC server did not start in a reasonable time.
5508	OPCS_SERVER_ALREADY_RUNNING Attempt to start a second OPC server.
5509	OPCS_ITEM_NOT_READABLE
5510	OPCS_ITEM_NOT_WRITEABLE
5513	OPCS_REPLY_OVERFLOW

4.3.10 Printer Spooler (PRIN) Status Codes

6101	PRIN_APPLICATION_CLOSE_TIMEOUT
------	--------------------------------

4.3.11 System (SYST) Status Codes

7001	SYST_NO_SUCH_TASK
7002	SYST_STATION_ROUTING_TABLE_ERROR
7003	SYST_APPLICATION_ROUTING_TABLE_ERROR
7004	SYST_PRINTER_ROUTING_TABLE_ERROR
7005	SYST_UNKNOWN_BASE_SYSTEM_OBJECT
7006	SYST_UNKNOWN_BASE_SYSTEM_ATTRIBUTE
7009	SYST_BAD_BASE_SYSTEM_ATTRIBUTE_STATUS
7010	SYST_INVALID_ND_ATTRIBUTE_VALUE
7011	SYST_ND_ATTRIBUTE_OUT_OF_RANGE
7012	SYST_INVALID_SA_ATTRIBUTE_VALUE
7013	SYST_SA_ATTRIBUTE_OUT_OF_RANGE
7014	SYST_INVALID_SN_ATTRIBUTE_VALUE
7015	SYST_INVALID_TT_ATTRIBUTE_VALUE
7017	SYST_INVALID_TN_ATTRIBUTE_VALUE
7018	SYST_TN_ATTRIBUTE_OUT_OF_RANGE
7019	SYST_INVALID_NA_ATTRIBUTE_VALUE
7020	SYST_INVALID_ST_ATTRIBUTE_VALUE
7021	SYST_INVALID_AP_ATTRIBUTE_VALUE
7022	SYST_AP_ATTRIBUTE_OUT_OF_RANGE
7023	SYST_INVALID_PR_ATTRIBUTE_VALUE

Table continues on next page

7024	SYST_PR_ATTRIBUTE_OUT_OF_RANGE
7025	SYST_INVALID_MO_ATTRIBUTE_VALUE
7026	SYST_MO_ATTRIBUTE_OUT_OF_RANGE
7029	SYST_INVALID_SS_ATTRIBUTE_VALUE
7030	SYST_INVALID_DC_ATTRIBUTE_VALUE
7031	SYST_INVALID_SD_ATTRIBUTE_VALUE
7032	SYST_INVALID_MA_ATTRIBUTE_VALUE
7033	SYST_INVALID_DT_ATTRIBUTE_VALUE
7034	SYST_INVALID_LP_ATTRIBUTE_VALUE
7035	SYST_LP_ATTRIBUTE_OUT_OF_RANGE
7036	SYST_INVALID_IA_ATTRIBUTE_VALUE
7037	SYST_IA_ATTRIBUTE_OUT_OF_RANGE
7038	SYST_INVALID_LT_ATTRIBUTE_VALUE
7039	SYST_INVALID_LI_ATTRIBUTE_VALUE
7040	SYST_LI_ATTRIBUTE_OUT_OF_RANGE
7041	SYST_INVALID_NN_ATTRIBUTE_VALUE
7042	SYST_APPLICATION_ALREADY_EXISTS
7043	SYST_PRINTER_ALREADY_EXISTS
7044	SYST_MONITOR_ALREADY_EXISTS
7046	SYST_LINK_ALREADY_EXISTS
7047	SYST_NODE_ALREADY_EXISTS
7049	SYST_APPLICATION_DOES_NOT_EXIST
7050	SYST_PRINTER_DOES_NOT_EXIST
7055	SYST_ATTRIBUTE_NOT_INDEXED
7056	SYST_OBJECT_NUMBER_OUT_OF_RANGE
7057	SYST_APPLICATION_NUMBER_OUT_OF_RANGE
7058	SYST_PRINTER_NUMBER_OUT_OF_RANGE
7059	SYST_MONITOR_NUMBER_OUT_OF_RANGE
7060	SYST_STATION_NUMBER_OUT_OF_RANGE
7061	SYST_REPR_TASK_NUMBER_OUT_OF_RANGE
7062	SYST_PRIN_TASK_NUMBER_OUT_OF_RANGE
7063	SYST_ALARM_CLASS_OUT_OF_RANGE
7065	SYST_INVALID_DN_ATTRIBUTE_VALUE
7066	SYST_DN_ATTRIBUTE_OUT_OF_RANGE
7067	SYST_INVALID_SH_ATTRIBUTE_VALUE
7068	SYST_SH_ATTRIBUTE_OUT_OF_RANGE
7069	SYST_STATION_ALREADY_EXISTS
7070	SYST_INVALID_DS_ATTRIBUTE_VALUE
7073	SYST_INVALID_DM_ATTRIBUTE_VALUE
7074	SYST_DM_ATTRIBUTE_OUT_OF_RANGE
7075	SYST_INVALID_TI_ATTRIBUTE_VALUE
7076	SYST_TI_ATTRIBUTE_OUT_OF_RANGE
7077	SYST_INVALID_PC_ATTRIBUTE_VALUE
7078	SYST_PC_ATTRIBUTE_OUT_OF_RANGE

Table continues on next page

7079	SYST_INVALID_RC_ATTRIBUTE_VALUE
7080	SYST_RC_ATTRIBUTE_OUT_OF_RANGE
7081	SYST_INVALID_EP_ATTRIBUTE_VALUE
7083	SYST_INVALID_ED_ATTRIBUTE_VALUE
7084	SYST_INVALID_SP_ATTRIBUTE_VALUE
7085	SYST_SP_ATTRIBUTE_OUT_OF_RANGE
7088	SYST_INVALID_TD_ATTRIBUTE_VALUE
7089	SYST_INVALID_AA_ATTRIBUTE_VALUE
7090	SYST_AA_ATTRIBUTE_OUT_OF_RANGE
7091	SYST_INVALID_AS_ATTRIBUTE_VALUE
7092	SYST_INVALID_QM_ATTRIBUTE_VALUE
7093	SYST_QM_ATTRIBUTE_OUT_OF_RANGE
7094	SYST_INVALID_PM_ATTRIBUTE_VALUE
7095	SYST_PM_ATTRIBUTE_OUT_OF_RANGE
7096	SYST_ST_ATTRIBUTE_OUT_OF_RANGE
7097	SYST_INVALID_PQ_ATTRIBUTE_VALUE
7098	SYST_PQ_ATTRIBUTE_OUT_OF_RANGE
7099	SYST_INVALID_QL_ATTRIBUTE_VALUE
7100	SYST_QL_ATTRIBUTE_OUT_OF_RANGE
7101	SYST_INVALID_HB_ATTRIBUTE_VALUE
7102	SYST_HB_ATTRIBUTE_OUT_OF_RANGE
7103	SYST_INVALID_EM_ATTRIBUTE_VALUE
7104	SYST_EM_ATTRIBUTE_OUT_OF_RANGE
7113	SYST_NA_ATTRIBUTE_OUT_OF_RANGE
7116	SYST_INVALID_ER_ATTRIBUTE_VALUE
7117	SYST_ER_ATTRIBUTE_OUT_OF_RANGE
7119	SYST_INVALID_SV_OR_UV_ATTRIBUTE_VALUE
7120	SYST_VECTOR_VALUE_EXPECTED
7122	SYST_ATTRIBUTE_NOT_SETTABLE
7123	SYST_APPLICATION_NAME_MISSING
7124	SYST_APPLICATION_IS_RUNNING
7125	SYST_PRINTER_IS_RUNNING
7126	SYST_MONITOR_IS_RUNNING
7128	SYST_LINK_IS_RUNNING
7129	SYST_ATTRIBUTE_INDEX_OUT_OF_RANGE
7130	SYST_SINGLE_INDEX_EXPECTED
7131	SYST_INVALID_RS_ATTRIBUTE_VALUE
7132	SYST_RS_ATTRIBUTE_OUT_OF_RANGE
7133	SYST_INVALID_CL_ATTRIBUTE_VALUE
7134	SYST_INVALID_CA_ATTRIBUTE_VALUE
7135	SYST_CA_ATTRIBUTE_OUT_OF_RANGE
7136	SYST_INVALID_CF_ATTRIBUTE_VALUE
7137	SYST_CF_ATTRIBUTE_OUT_OF_RANGE
7138	SYST_INVALID_TZ_ATTRIBUTE_VALUE

Table continues on next page

7139	SYST_TZ_ATTRIBUTE_OUT_OF_RANGE
7140	SYST_INVALID_TF_ATTRIBUTE_VALUE
7141	SYST_TF_ATTRIBUTE_OUT_OF_RANGE
7142	SYST_STATION_DOES_NOT_EXIST
7143	SYST_NODE_ROUTING_ERROR
7144	SYST_INVALID_PS_ATTRIBUTE_VALUE
7145	SYST_PS_ATTRIBUTE_OUT_OF_RANGE
7146	SYST_INVALID_MS_ATTRIBUTE_VALUE
7147	SYST_MS_ATTRIBUTE_OUT_OF_RANGE
7150	SYST_APPLICATION_IS_NOT_LOCAL
7153	SYST_INVALID_LD_ATTRIBUTE_VALUE
7154	SYST_INVALID_LL_ATTRIBUTE_VALUE
7155	SYST_INVALID_LF_ATTRIBUTE_VALUE
7156	SYST_INVALID_OD_ATTRIBUTE_VALUE
7157	SYST_FAILED_TO_START_PROGRAM
7158	SYST_APPLICATION_IS_LOCAL
7159	SYST_PRINTER_NOT_IN_NET
7160	SYST_INVALID_TR_ATTRIBUTE_VALUE
7161	SYST_LAN_LINK_ALREADY_RUNNING
7162	SYST_INVALID_PN_ATTRIBUTE_VALUE
7163	SYST_INVALID_HF_ATTRIBUTE_VALUE
7164	SYST_INVALID_FS_ATTRIBUTE_VALUE
7165	SYST_SN_ATTRIBUTE_OUT_OF_RANGE
7166	SYST_INVALID_SHADOWING_PHASE
7167	SYST_INVALID_SW_ATTRIBUTE_VALUE
7168	SYST_SW_ATTRIBUTE_OUT_OF_RANGE
7169	SYST_INVALID_SC_ATTRIBUTE_VALUE
7170	SYST_SC_ATTRIBUTE_OUT_OF_RANGE
7171	SYST_INVALID_SF_ATTRIBUTE_VALUE
7172	SYST_SF_ATTRIBUTE_OUT_OF_RANGE
7173	SYST_INVALID_SR_ATTRIBUTE_VALUE
7174	SYST_SR_ATTRIBUTE_OUT_OF_RANGE
7175	SYST_SHADOW_CONNECTION_REQUEST_FAILED
7176	SYST_SHADOWING_ALREADY_ACTIVE
7177	SYST_SHADOWING_IS_DISABLED
7178	SYST_EXECUTION_QUEUE_OUT_OF_RANGE
7179	SYST_INVALID_DB_ATTRIBUTE_VALUE
7180	SYST_NODE_NUMBER_OUT_OF_RANGE
7181	SYST_STATION_TYPE_ALREADY_EXISTS
7182	SYST_INVALID_DI_ATTRIBUTE_VALUE
7183	SYST_DI_ATTRIBUTE_OUT_OF_RANGE
7184	SYST_SHADOWING_TRANSMISSION_TIMEOUT
7185	SYST_SHADOWING_REVISION_INCOMPATIBLE
7186	SYST_SHADOW_MEMORY_DUMP_FAILED

Table continues on next page

7187	SYST_SHADOW_RECEIVER_ALREADY_CONNECTED
7188	SYST_SHADOW_MESSAGE_SEQUENCE_ERROR
7189	SYST_INVALID_SI_ATTRIBUTE_VALUE
7190	SYST_SI_ATTRIBUTE_OUT_OF_RANGE
7191	SYST_INVALID_SY_ATTRIBUTE_VALUE
7192	SYST_SY_ATTRIBUTE_OUT_OF_RANGE
7193	SYST_MEMORY_EXHAUSTED
7194	SYST_LOCAL_SHADOWING_FAILED
7195	SYST_NO_LOCAL_RAM_SHADOWING
7196	SYST_INVALID_AQ_ATTRIBUTE_VALUE
7197	SYST_INVALID_IL_ATTRIBUTE_VALUE
7198	SYST_IL_ATTRIBUTE_OUT_OF_RANGE
7199	SYST_INVALID_BP_ATTRIBUTE_VALUE
7200	SYST_CL_ATTRIBUTE_OUT_OF_RANGE
7201	SYST_ATTRIBUTE_IS_WRITE_ONLY
7202	SYST_PRINTER_IS_NOT_RUNNING
7203	SYST_INVALID_EE_ATTRIBUTE_VALUE
7204	SYST_EE_ATTRIBUTE_OUT_OF_RANGE
7205	SYST_INVALID_RN_ATTRIBUTE_VALUE
7206	SYST_RN_ATTRIBUTE_OUT_OF_RANGE
7207	SYST_DT_ATTRIBUTE_OUT_OF_RANGE
7208	SYST_INVALID_SL_ATTRIBUTE_VALUE
7209	SYST_SL_ATTRIBUTE_OUT_OF_RANGE
7210	SYST_INVALID_CS_ATTRIBUTE_VALUE
7211	SYST_PRINTER_CONTROL_TIMEOUT
7212	SYST_PRINTER_OPEN_ERROR
7213	SYST_NOT_A_TRANSPARENT_PRINTER
7214	SYST_INVALID_CX_ATTRIBUTE_VALUE
7215	SYST_INVALID_OJ_ATTRIBUTE_VALUE
7216	SYST_OJ_ATTRIBUTE_OUT_OF_RANGE
7218	SYST_SYSTEM_ALREADY_RUNNING
7219	SYST_INVALID_TS_ATTRIBUTE_VALUE
7220	SYST_INVALID_SQ_ATTRIBUTE_VALUE
7221	SYST_SQ_ATTRIBUTE_OUT_OF_RANGE
7223	SYST_INVALID_DE_ATTRIBUTE_VALUE
7224	SYST_DE_ATTRIBUTE_OUT_OF_RANGE
7225	SYST_NOT_AN_INTEGRATED_LINK
7226	SYST_RS_NOT_SUPPORTED_FOR_THE_LINK_TYPE
7229	SYST_INVALID_QP_ATTRIBUTE_VALUE
7230	SYST_INVALID_QD_ATTRIBUTE_VALUE
7231	SYST_QD_ATTRIBUTE_OUT_OF_RANGE
7232	SYST_PARALLEL_QUEUE_OUT_OF_RANGE
7233	SYST_INVALID_LA_ATTRIBUTE_VALUE
7238	SYST_INVALID_CT_ATTRIBUTE_VALUE

Table continues on next page

7240	SYST_INVALID_DU_ATTRIBUTE_VALUE
7241	SYST_DU_ATTRIBUTE_OUT_OF_RANGE
7242	SYST_INVALID_PH_ATTRIBUTE_VALUE
7243	SYST_INVALID_RL_ATTRIBUTE_VALUE
7244	SYST_INVALID_HP_ATTRIBUTE_VALUE
7245	SYST_EXTERNAL_COMMUNICATION_BLOCKED
7246	SYST_INVALID_OE_ATTRIBUTE_VALUE
7247	SYST_OE_ATTRIBUTE_OUT_OF_RANGE
7248	SYST_INVALID_OT_ATTRIBUTE_VALUE
7249	SYST_INVALID_CD_ATTRIBUTE_VALUE
7250	SYST_NO_EXTERNAL_CLOCK
7251	SYST_OT_ATTRIBUTE_OUT_OF_RANGE
7252	SYST_INVALID_QE_ATTRIBUTE_VALUE The value set to the QE attribute of a APL:B object is invalid.
7253	SYST_QE_ATTRIBUTE_OUT_OF_RANGE The value set to the QE attribute of a APL:B object is out of range.
7254	SYST_INVALID_ME_ATTRIBUTE_VALUE The value set to the ME attribute of a SYS:B object is invalid.
7255	SYST_ME_ATTRIBUTE_OUT_OF_RANGE The value set to the BE attribute of a SYS:B object is out of range.
7256	SYST_INVALID_AD_ATTRIBUTE_VALUE The value set to the AD attribute of a SYS:B object is invalid.
7257	SYST_AUDIO_ALARM_DEVICE_NOT_STARTED AUDIO_ALARM function failed because there is no audio alarm card in the system or the card has not been started (SYS:BAA not set).
7258	SYST_OUTPUT_PROCESS_OBJECTS_DISABLED This error code is raised by SCIL commands trying to use functionality not enabled in the license or lack of a valid license.
7259	SYST_DIALOG_EDITOR_DISABLED This error code is raised by SCIL commands trying to use functionality not enabled in the license or lack of a valid license.
7260	SYST_PICTURE_EDITOR_DISABLED This error code is raised by SCIL commands trying to use functionality not enabled in the license or lack of a valid license.
7261	SYST_INVALID_HS_ATTRIBUTE_VALUE The HS attribute is of invalid data type or out of range.
7262	SYST_HS_ATTRIBUTE_OUT_OF_RANGE The HS attribute is out of range.
7263	SYST_INVALID_BN_ATTRIBUTE_VALUE The BN attribute is of invalid data type or out of range.
7264	SYST_DUPLICATE_BN_ATTRIBUTE_VALUE Base system object names must be unique.
7265	SYST_INVALID_BM_ATTRIBUTE_VALUE The BM attribute is of invalid data type or out of range.
7266	SYST_BM_ATTRIBUTE_OUT_OF_RANGE The BM attribute is out of range.
7267	SYST_BM_ATTRIBUTE_MISSING The object number must be supplied when creating a base system object by name.
7268	SYST_INVALID_BT_ATTRIBUTE_VALUE The BT attribute is of invalid data type or out of range.
7269	SYST_BT_ATTRIBUTE_MISSING The object number must be supplied when creating a base system object by name.

Table continues on next page

7270	SYST_INVALID_IS_ATTRIBUTE_VALUE
7271	SYST_IS_ATTRIBUTE_OUT_OF_RANGE
7272	SYST_INVALID_MR_ATTRIBUTE_VALUE
7273	SYST_INVALID_TM_ATTRIBUTE_VALUE The TM attribute is of invalid data type or out of range.
7274	SYST_INVALID_TB_ATTRIBUTE_VALUE The TB attribute is of invalid data type.
7275	SYST_TB_ATTRIBUTE_OUT_OF_RANGE The TB attribute is out of range.
7276	SYST_INVALID_AE_ATTRIBUTE_VALUE
7277	SYST_INVALID_ID_ATTRIBUTE_VALUE
7278	SYST_INVALID_HD_ATTRIBUTE_VALUE
7279	SYST_INVALID_IE_ATTRIBUTE_VALUE
7280	SYST_IE_ATTRIBUTE_OUT_OF_RANGE
7281	SYST_INVALID_HE_ATTRIBUTE_VALUE
7282	SYST_HE_ATTRIBUTE_OUT_OF_RANGE
7283	SYST_AMBIGUOUS_IS_MAPPING The IS attribute value contains same application twice.
7284	SYST_INVALID_AW_ATTRIBUTE_VALUE
7285	SYST_AW_ATTRIBUTE_OUT_OF_RANGE
7286	SYST_INVALID_DF_ATTRIBUTE_VALUE
7287	SYST_DF_ATTRIBUTE_OUT_OF_RANGE
7288	SYST_INVALID_OP_ATTRIBUTE_VALUE
7289	SYST_OP_ATTRIBUTE_OUT_OF_RANGE
7290	SYST_INVALID_PA_ATTRIBUTE_VALUE
7291	SYST_PA_ATTRIBUTE_OUT_OF_RANGE
7293	SYST_ED_ATTRIBUTE_OUT_OF_RANGE
7294	SYST_INVALID_NT_ATTRIBUTE_VALUE
7295	SYST_OP_ATTRIBUTE_MISSING Cannot start an OPC DA or A&E client, because the OP attribute is not set in the corresponding node object.
7296	SYST_OP_ATTRIBUTE_CI_MISSING Cannot start an OPC DA or A&E client, because the OP attribute of the corresponding node object does not contain a CI field.
7297	SYST_INVALID_OP_ATTRIBUTE_CI_VALUE Cannot start an OPC DA or A&E client, because the CI field of the OP attribute of the corresponding node object does not specify a valid class id.
7298	SYST_INVALID_OP_ATTRIBUTE_SK_VALUE Cannot start an OPC DA or A&E client, because the SK field of the OP attribute of the corresponding node object is invalid.
7299	SYST_INVALID_OP_ATTRIBUTE_SN_VALUE Cannot start an OPC DA or A&E client, because the SN field of the OP attribute of the corresponding node object is invalid.
7300	SYST_INVALID_OP_ATTRIBUTE_GR_VALUE Cannot start an OPC DA client, because the GR field of the OP attribute of the corresponding node object is invalid.
7301	SYST_OPC_DA_NODE_NAME_UNKNOWN Cannot start an OPC DA client, because the RN attribute of the corresponding node refers to a node with no name (NN not set).
7302	SYST_OPCC_ALREADY_EXISTS

Table continues on next page

7303	SYST_NOT_AN_OPC_STATION Cannot start an OPC DA client, because the station object for the unit does not specify an OPC station.
7304	SYST_NOT_AN_OPC_DA_NODE Cannot start an OPC DA client, because the corresponding node object does not specify an OPC_DA node.
7305	SYST_STATION_ND_MISSING Cannot start an OPC DA or A&E client, because the corresponding station object does not have a valid ND attribute.
7306	SYST_OPC_AE_NODE_NAME_UNKNOWN Cannot start an OPC A&E client, because the RN attribute of the corresponding node refers to a node with no name (NN not set).
7307	SYST_NOT_AN_OAE_STATION Cannot start an OPC A&E client, because the station object for the unit does not specify an OAE station.
7308	SYST_NOT_AN_OPC_AE_NODE Cannot start an OPC A&E client, because the corresponding node object does not specify an OPC_AE node.
7309	SYST_INVALID_OP_ATTRIBUTE_AA_VALUE Cannot start an OPC A&E client, because the AA field of the OP attribute of the corresponding node object is invalid.
7310	SYST_INVALID_PP_ATTRIBUTE_VALUE
7311	SYST_INVALID_SM_ATTRIBUTE_VALUE
7320	SYST_INVALID_OP_ATTRIBUTE_US_VALUE Cannot start an OPC DA or A&E client, because the US field of the OP attribute of the corresponding node object is invalid.
7321	SYST_INVALID_OP_ATTRIBUTE_PW_VALUE Cannot start an OPC DA or A&E client, because the PW field of the OP attribute of the corresponding node object is invalid.
7322	SYST_NODE_NAME_UNKNOWN An OPC function is unable to deduce the target computer name.
7323	SYST_INVALID_IT_ATTRIBUTE_VALUE
7324	SYST_IT_ATTRIBUTE_OUT_OF_RANGE
7325	SYST_INVALID_DD_ATTRIBUTE_VALUE
7326	SYST_AS_ATTRIBUTE_OUT_OF_RANGE
7327	SYST_SS_ATTRIBUTE_OUT_OF_RANGE
7328	SYST_INVALID_RR_ATTRIBUTE_VALUE
7329	SYST_ND_AND_TN_MUST_BE_0_IN_PROXY_STATION
7330	SYST_INVALID_REDUNDANCY_CONFIGURATION
7331	SYST_NOT_A_PROXY_STATION
7332	SYST_STATION_IS_IN_USE
7333	SYST_DUPLICATE_ND_ST_TN
7334	SYST_INVALID_PF_ATTRIBUTE_VALUE
7335	SYST_APL_UNREACHABLE
7336	SYST_INVALID_OI_ATTRIBUTE_VALUE
7337	SYST_PROXY_APL_CONFIGURATION_ERROR HS attribute defined in a non-proxy application or it denotes a proxy application.
7338	SYST_INVALID_LS_ATTRIBUTE_VALUE
7339	SYST_INVALID_EY_ATTRIBUTE_VALUE
7340	SYST_INVALID_UA_ATTRIBUTE_VALUE
7341	SYST_ONLY_6_UAL_SERVERS_ALLOWED

Table continues on next page

7343	SYST_UAL_CONFIGURATION_ERROR
7344	SYST_UAL_CONFIGURATION_TIMEOUT
7345	SYST_INVALID_PI_ATTRIBUTE_VALUE
7346	SYST_INVALID_AI_ATTRIBUTE_VALUE
7347	SYST_AI_ATTRIBUTE_OUT_OF_RANGE
7348	SYST_INVALID_CE_ATTRIBUTE_VALUE
7349	SYST_CE_ATTRIBUTE_OUT_OF_RANGE
7351	SYST_INVALID_WL_ATTRIBUTE_VALUE
7352	SYST_INCONSISTENT_PCNI_MESSAGE RECEIVED
7353	SYST_INVALID_WS_ATTRIBUTE_VALUE
7354	SYST_WS_ATTRIBUTE_OUT_OF_RANGE
7355	SYST_INVALID_WA_ATTRIBUTE_VALUE

4.3.12 User Account and Session Management (USER) Status Codes

8002	USER_ROLE_CAN_BE_SELECTED_ONLY_AT_LOGIN
8003	USER_INVALID_ROLE_SELECTION
8004	USER_DUPLICATE_AUTHORIZATION_GROUP_NAME
8005	USER_DUPLICATE_AUTHORIZATION
8006	USER_DUPLICATE_ROLE_NAME
8007	USER_DUPLICATE_USER_NAME
8008	USER_UNSUPPORTED_UAM_VERSION
8009	USER_INVALID_AUTHORIZATION_GROUP_NAME
8010	USER_AUTHORIZATION_GROUP_DOES_NOT_EXIST
8011	USER_AUTHORIZATION_GROUP_IS_IN_USE
8012	USER_ROLE_DOES_NOT_EXIST
8013	USER_ROLE_IS_IN_USE
8014	USER_PREDEFINED_ROLE_MAY_NOT_BE_REMOVED
8015	USER_USER_DOES_NOT_EXIST
8016	USER_THE_ONLY_ADMINISTRATOR_MAY_NOT_BE_REMOVED
8017	USER_PASSWORD_POLICY_VIOLATION
8018	USER_INVALID_PASSWORD_POLICY
8019	USER_INVALID_ROLE_NAME
8020	USER_INVALID_USER_NAME
8021	USER_INVALID_TIMEOUT_VALUE
8022	USER_UNKNOWN_ROLE_ATTRIBUTE
8023	USER_INVALID_AUTHORIZATION
8024	USER_INVALID_AUTHORIZATION_LEVEL
8025	USER_AUTHORIZATION_LEVEL_OUT_OF_RANGE
8026	USER_GENERAL_AUTHORIZATION_MISSING
8027	USER_UNKNOWN_USER_ATTRIBUTE
8028	USER_INVALID_ROLE_LIST
8029	USER_INVALID_LANGUAGE_NAME
8030	USER_INVALID_DISABLED_VALUE

Table continues on next page

8031	USER_INVALID_PASSWORD_VALUE
8032	USER_ROLES_MISSING
8033	USER_ALREADY_LOGGED_IN
8034	USER_NOT_LOGGED_IN
8035	USER_INVALID_USER_OR_PASSWORD
8036	USER_SESSION_NOT_VALID
8037	USER_PREDEFINED_USER_MAY_NOT_BE_REMOVED
8038	USER_AUTHORIZATION_FAILURE
8039	USER_CANNOT_REMOVE_OR_DISABLE_MYSELF
8040	USER_GUEST_USER_MAY_NOT_BE_CHANGED
8041	USER_INVALID_FORCE_PASSWORD_CHANGE_VALUE
8042	USER_LAST_GENERAL_5_AUTHORIZATION
8043	USER_NAME_NOT_VALID_AS_A_FILE_NAME
8044	USER_CAM_NOT_AVAILABLE
8045	USER_GUEST_HAS_NO_PASSWORD
8049	USER_LOGIN_FAIL_WRONG_CR
8051	USER_LOGIN_FAIL_EXPIRED
8052	USER_LOGIN_FAIL_LOCKED
8053	USER_LOGIN_FAIL_DISABLED
8054	USER_LOGIN_FAIL_NO_ROLES
8055	USER_LOGIN_FAIL_NO_CAM
8056	USER_LOGIN_FAIL_SINGLE_USER_LOGIN
8057	USER_ANONYMOUS_ROLE_UNASSIGNED
8058	USER_ANONYMOUS_ROLE_ALREADY_ASSIGNED
8059	USER_LOGIN_FAIL_ANONYMOUS_LOGIN_DISABLED
8060	USER_LOGIN_FAIL_ANONYMOUS_FIRST_LOGIN
8061	USER_ANONYMOUS_USER_MAY_NOT_BE_MODIFIED
8062	USER_ANONYMOUS_ROLE_MAY_NOT_BE_ASSIGNED
8063	USER_DUPLICATE_LOGIN_ADDRESS_NAME
8064	USER_INVALID_LOGIN_ADDRESS_ROLES_VALUE
8065	USER_INVALID_SINGLE_SESSION_VALUE
8066	USER_DUPLICATE_AOR_NAME
8067	USER_INVALID_AOR_DATA
8068	USER_OVERLAPPING_AOR
8069	USER_NON_EXISTENT_AOR_OBJECT_IDENTIFIER
8070	USER_OVERLAP_NOT_ALLOWED_WHEN_EAR_IN_USE
8071	USER_AOR_MUST_BE_ENABLED_WHEN_EAR_IN_USE
8072	USER_AOR_DOES_NOT_EXIST
8073	USER_INVALID_AOR_ROLES
8074	USER_EAR_ROLE_OUT_OF_RANGE
8075	USER_LOGIN_FAIL_EAR_SINGLE_LOCATION
8076	USER_NOT_SUPPORTED_WHEN_CAM_IN_USE
8077	USER_NO_EAR_ROLE_FOR_THE_AOR
8078	USER_HAS_NO_OPERATOR_EAR_ROLE

Table continues on next page

8079	USER_NOTAUTHORIZED_TO_SET_EAR
8080	USER_EAR_NOT_IN_USE
8081	USER_ROLE_IS_IN_AOR_USE
8082	USER_ROLE_ID_ATTRIBUTE_MISSING
8083	USER_ROLE_ID_IN_USE
8084	USER_INVALID_ROLE_ID_VALUE
8085	USER_LOGIN_FAIL_NO_PAP_ROLES

4.3.13 TCP/IP (INPC) Status Codes

8301	INPC_TCPIP_COMMUNICATION_INIT_FAILED
8302	INPC_TCPIP_LINK_ABORTED
8303	INPC_TCPIP_CONNECTION_REQUEST_FAILED
8304	INPC_TCPIP_TRANSMIT_IO_FAILED
8306	INPC_TCPIP_UNKNOWN_HOST
8307	INPC_IP_ADDRESS_NOT_WHITELISTED

4.3.14 OPC Data Access Client (OPCC) Status Codes

8401	OPCC_NO_CONNECTION_TO_SERVER
	Attempt to access an OPC item while there is no connection to the OPC DA Server.
8402	OPCC_ITEM_NOT_FOUND_IN_SERVER
	Attempt to access an OPC item that does not exist in the OPC DA Server.
8403	OPCC_ITEM_NOT_WRITABLE
	Attempt to set an OPC item that is not writable.
8404	OPCC_INVALID_WRITE_VALUE
	Attempt to set an OPC item to a value rejected by the OPC DA Server.
8405	OPCC_WRITE_FAILURE
	Unspecified failure when setting an OPC item value.
8406	OPCC_UNIT_NOT_STARTED
	Attempt to refresh the data from an OPC unit that has not been started (function OPC_DA_REFRESH).
8407	OPCC_GROUP_DOES_NOT_EXIST
	Attempt to refresh the data from an OPC group that has not been defined (function OPC_DA_REFRESH).
8408	OPCC_GROUP_IS_OUTPUT_ONLY
	Attempt to refresh the data from an output-only OPC group (function OPC_DA_REFRESH).
8409	OPCC_REFRESH_IN_PROGRESS
	Attempt to refresh the data from an OPC unit while another refresh is still in progress (function OPC_DA_REFRESH).
8410	OPCC_REFRESH_TIMEOUT
	The OPC DA Server did not respond to a refresh request (function OPC_DA_REFRESH).

4.3.15 OpenSSL (OSSL) Status Codes

9300	OSSL_COMMUNICATION_ERROR
9301	OSSL_X509_CERTIFICATE_CREATION_FAILED
9302	OSSL_BAD_KEY_STORAGE

Table continues on next page

9303	OSSL_CERTIFICATE_NOT_KNOWN
9304	OSSL_CERTIFICATE_MISMATCH
9305	OSSL_DISCONNECTED
9306	OSSL_CONNECTION_WITH_UNKNOWN_SA
9307	OSSL_UNSECURE_CONNECTION_NOT_ALLOWED

4.4 NET Status Codes

4.4.1 Common NET Status Codes

10001	NETP_SYSTEM_INITIALIZED
10002	NETP_IU_ATTRIBUTE_WAS_EXPECTED The base system and the frontend do not communicate properly with each other. Contact a Hitachi ABB Power Grids representative.
10003	NETP_TIMEOUT_WHILE_WAITING_ACKNOWLEDGE The base system and the frontend do not communicate properly with each other. Contact a Hitachi ABB Power Grids representative.
10004	NETP_UNKNOWN_CONFIGURATION_OBJECT
10005	NETP_UNKNOWN_SCM_FUNCTION The base system and the frontend do not communicate properly with each other. Contact a Hitachi ABB Power Grids representative.
10006	NETP_OUT_OF_MEMORY
10007	NETP_CONFLICT_IN_PRECONFIGURATION
10008	NETP_PROTOCOL_NOT_SUPPORTED
10009	NETP_NAME_IS_LOGICAL_OR_UNDEFINED

4.4.2 Redundant Frontend Status Codes

10500	REFP_NO_REPLY_FROM_STANDBY_FE
10501	REFP_NO_REPLY_FROM_HOT_FE
10502	REFP_NO_BUFFER
10503	REFC_HOT_FE_NOT_RESPONDING
10504	REFC_UNDEFINED_PEER_NODE
10505	REFC_INVALID_PEER_NODE_NUMBER
10506	REFC_INVALID_RUNNING_MODE
10507	REFC_INVALID_SHADOWING_MODE
10508	REFC_TRANSFER_DATA_LENGTH_MISMATCH
10509	REFC_INVALID_TRANSFER_DATA_ID
10510	REFC_SC_DATA_OVERFLOW
10511	REFC_INVALID_INDEX_RANGE
10512	REFC_INVALID_SH_AND_RM_VALUE_COMBINATION
10513	REFP_PEER_HAS_LOST_APL_CONNECTION
10514	REFC_INITIALIZATION_NOT_COMPLETE

4.4.3 Errors in ACP Message Structure

11001	BUFMS_BINARY_TYPE_EXPECTED
11002	BUFMS_BUFFER_OVERFLOW
11003	BUFMS_CHARACTER_TYPE_EXPECTED
11005	BUFMS_SIGNED_16_OUT_OF_RANGE
11006	BUFMS_SIGNED_16_TYPE_EXPECTED
11007	BUFMS_SIGNED_32_TYPE_EXPECTED
11009	BUFMS_TIMESTAMP_ITEM_EXPECTED
11010	BUFMS_UNKNOWN_DATA_TYPE
11011	BUFMS_UNSIGNED_16_OUT_OF_RANGE
11012	BUFMS_UNSIGNED_16_TYPE_EXPECTED
11014	BUFMS_UNSIGNED_8_OUT_OF_RANGE
11015	BUFMS_UNSIGNED_8_TYPE_EXPECTED
11016	BUFMS_ZERO_LENGTH_DATA_ARRAY The base system and the frontend do not communicate properly. Contact a Hitachi ABB Power Grids representative.
11017	BUFMS_BIT_VALUE_TYPE_EXPECTED
11018	BUFMS_FULL_TIMESTAMP_TYPE_EXPECTED
11019	BUFMS_ADDRESS_TYPE_EXPECTED
11020	BUFMS_BIT_STREAM_TYPE_EXPECTED
11021	BUFMS_SIGNED_8_OUT_OF_RANGE
11022	BUFMS_SIGNED_8_TYPE_EXPECTED
11023	BUFMS_SIGNED_32_OUT_OF_RANGE
11024	BUFMS_UNSIGNED_32_OUT_OF_RANGE
11025	BUFMS_UNSIGNED_32_TYPE_EXPECTED
11026	BUFMS_FLOAT_32_TYPE_EXPECTED
11027	BUFMS_EXTENDED_ADDRESS_TYPE_EXPECTED
11028	BUFMS_SIGNED_64_OUT_OF_RANGE
11029	BUFMS_SIGNED_64_TYPE_EXPECTED
11030	BUFMS_UNSIGNED_64_OUT_OF_RANGE
11031	BUFMS_UNSIGNED_64_TYPE_EXPECTED
11032	BUFMS_FLOAT_64_TYPE_EXPECTED
11033	BUFMS_TEXT_TYPE_EXPECTED

4.4.4 Common NET Application Layer Status Codes

12002	APPL_DEVICE_ALREADY_RESERVED The device is occupied by another SYS600 process.
12003	APPL_DEVICE_ATTRIBUTE_NOT_CHANGEABLE
12004	APPL_DEVICE_NOT_RESERVED
12006	APPL_ILLEGAL_SOURCE_FOR_GIVEN_CMD The sender has not the right to give the command in question.
12007	APPL_MESSAGE_BUFFER_OVERFLOW
12008	APPL_INVALID_VALUE_FOR_CHOSEN_ATTRIBUTE
12010	APPL_NONEXISTENT_DEVICE_ATTRIBUTE

Table continues on next page

12011	APPL_UNKNOWN_COMMAND_SOURCE The sender of the command is unknown.
12012	APPL_RELEASE_CMD_FROM_WRONG_PROCESS
12013	APPL_INVALID_AL_ATTRIBUTE_VALUE
12014	APPL_INVALID_MI_ATTRIBUTE_VALUE
12015	APPL_INVALID_MS_ATTRIBUTE_VALUE
12016	APPL_INVALID_MI_ATTRIBUTE_INDEX
12017	APPL_INVALID_ED_INDEX
12018	APPL_UNKNOWN_ED_TRANSLATION
12019	APPL_DATA_TYPE_OVERFLOW
12020	APPL_INVALID_AS_ATTRIBUTE_VALUE
12021	APPL_UNKNOWN_EDEV_DEVICE_TYPE
12022	APPL_INVALID_MS_ATTRIBUTE_INDEX
12023	APPL_ZT_VALUE_ALREADY_RESERVED The value of ZT i.e. the key storage index must be unique within the NET instance

4.4.5 System Process Status Codes

12101	SYSC_REPLY_MESSAGE_TIMEOUT
12102	SYSC_SCM_DATA_IGNORED
12103	SYSC_UNDEFINED_SYS_CONNECTION
12104	SYSC_INVALID_RT_ATTRIBUTE_VALUE
12105	SYSC_INVALID_SU_ATTRIBUTE_VALUE
12106	SYSC_STATION_NOT_DEFINED_IN_BASE_SYSTEM

4.4.6 STA Device Status Codes (ANSI X3.28)

12301	STAC_AB_DATA_ITEM_OVERFLOW
12302	STAC_AB_DATA_OVERFLOW
12303	STAC_ATTRIBUTE_IS_READ_ONLY
12304	STAC_ATTRIBUTE_IS_WRITE_ONLY
12305	STAC_COMMAND_AND_DATA_TYPE_IN_CONFLICT The command type (read/write) is not allowed for the chosen memory area.
12306	STAC_COMMAND_NOT_IMPLEMENTED
12307	STAC_DIAGNOSTIC_CT_RESET_DATA_ERROR
12308	STAC_DIAGNOSTIC_LOOP_TEST_DATA_ERROR
12309	STAC_DOWNLOAD_NOT_IMPLEMENTED
12310	STAC_FUNCTION_NOT_IMPLEMENTED
12311	STAC_ILLEGAL_DIGIT_IN_BCD_NUMBER Undefined or incorrectly defined memory area.
12312	STAC_ILLEGAL_MESSAGE_LENGTH
12314	STAC_ILLEGAL_PLC2_COMMAND_CODE
12315	STAC_ILLEGAL_SC_DATA_TYPE_COMBINATION Analog and digital data cannot be included in the same message.

Table continues on next page

12316	STAC_INDEX_RANGE_CROSSES_RUNG_BOUNDARY A read or write command refers to an address area which is not totally within the same memory area.
12317	STAC_INTERNET_COMM_NOT_IMPLEMENTED
12318	STAC_MEMORY_RUNG_DEFINITION_ERROR
12319	STAC_NONCONTIGOUS_BIT_WRITE_MEMORY_AREA
12320	STAC_NO_MEMORY_RUNG_CHOSEN_FOR_READ_DATA
12321	STAC_PL2C_DATA_CODE_NOT_IMPLEMENTED
12322	STAC_SC_DATA_OVERFLOW
12323	STAC_SC_TO_AB_ITEM_TYPE_INCOMPATIBILITY The data elements of the SCM message can not be transformed according to the memory area code attribute.
12324	STAC_UNDEFINED_PL2C_MEMORY_ADDRESS
12325	STAC_UNKNOWN_DESTINATION_STATION
12326	STAC_UNKNOWN_LOGICAL_DESTINATION
12327	STAC_UNKNOWN_LOGICAL_SOURCE
12328	STAC_UNKNOWN_SOURCE_STATION
12329	STAC_ZERO_LENGTH_DATA_ARRAY
12330	STAP_AB_SC_CONVERSION_ERROR The message can not be transformed from the form used in the RTU to the one used by the main program (SCM).
12332	STAP_ILLEGAL_AB_COMMAND_DESTINATION
12333	STAP_STATION_LINE_ERROR The CTS or the DCD line of the RS232 connection is inactive. The cable is uncoupled, the hand shaking signals are incorrectly coupled or the modem is incorrectly coupled.
12334	STAP_REPLY_TIMEOUT
12335	STAP_SC_AB_CONVERSION_ERROR The message can not be transformed from the form used by the main program (SCM) to the one used by the RTU (ABM).
12336	STAP_SIGNAL_QUEUE_EMPTY
12337	STAP_STATION_SUSPENDED The RTU is suspended. The reason may be:
12338	STAP_STATION_SUSPENDED_AND_LINE_ERROR The error situations 12333 and 12337 have occurred simultaneously.
12339	STAP_STOPPED The IU attribute of the station is 0 (not in use).
12340	STAC_ILLEGAL_OCTAL_BCD_DIGIT The memory address appearing in a spontaneous message does not follow the coding way chosen in the memory area definition (the attribute BF).
12341	STAC_INVALID_AD_ATTRIBUTE_VALUE
12342	STAC_INVALID_AT_ATTRIBUTE_VALUE
12343	STAC_INVALID_BF_ATTRIBUTE_VALUE
12344	STAC_INVALID_CO_ATTRIBUTE_VALUE
12345	STAC_INVALID_DI_ATTRIBUTE_VALUE
12346	STAC_INVALID_DT_ATTRIBUTE_VALUE
12347	STAC_INVALID_LE_ATTRIBUTE_VALUE
12348	STAC_INVALID_MEMORY_RUNG_NUMBER
12349	STAC_INVALID_MR_ATTRIBUTE_VALUE
12350	STAC_INVALID_PH_ATTRIBUTE_VALUE

Table continues on next page

12351	STAC_INVALID_RT_ATTRIBUTE_VALUE
12352	STAC_INVALID_SE_ATTRIBUTE_VALUE
12353	STAC_INVALID_SU_ATTRIBUTE_VALUE
12354	STAC_INVALID_TS_ATTRIBUTE_VALUE
12355	STAC_UNKNOWN_MEMORY_RUNG
12357	STAC_MEMORY_RUNG_ALREADY_EXISTS
12358	STAC_UNKNOWN_STA_ATTRIBUTE
12359	STAC_DIAGNOSTIC_CMD_TRANSMISSION_ERROR
12360	STAC_INVALID_DE_ATTRIBUTE_VALUE
12361	STAC_STATION_RESERVED_BY_OTHER_SYSTEM
12362	STAC_MEMORY_ALLOCATION_FAILED Memory reservation does not succeed. Contact a Hitachi ABB Power Grids representative.
12365	STAC_INVALID_FS_ATTRIBUTE_VALUE
12366	STAC_UNKNOWN_DIAGNOSTIC_COUNTER
12367	STAC_INVALID_INDEX_RANGE
12368	STAP_SUSPENSIVE_STATUS_IN_REPLY_MSG
12369	STAC_PLAIN_PROGRAM_LOAD_MODE
12370	STAC_PLAIN_TEST_MODE
12371	STAC_PLAIN_REMOTE_PROGRAM_LOAD_MODE
12372	STAC_PLAIN_REMOTE_TEST_MODE
12373	STAC_PLAIN_DOWNLOAD_MODE
12374	STAC_UNKNOWN_PLAIN_MODE
12375	STAC_ERROR_IN_PLAIN_COMM_ZONE
12376	STAC_NO_INTERFACE_PLAIN_PROCESSOR_COMM
12377	STAC_PLAIN_SHUTDOWN_IN_EFFECT
12378	STAC_PLAIN_SHUTDOWN_REQUESTED
12379	STAC_MAJOR_PLAIN_PROCESSOR_FAULT
12380	STAC_UNKNOWN_COMMUNICATION_INTERFACE_TYPE
12381	STAC_INVALID_DIAGNOSTIC_STATUS
12382	STAC_SPLIT_PROCESS_DOES_NOT_EXIST The SPLIT function has not been activated for the station in question.
12383	STAC_PROGRAM_CASE_ERROR
12384	STAC_INVALID_SP_ATTRIBUTE_VALUE
12385	STAC_INVALID_WORD_ADDRESS
12386	STAP_REPLY_TX_FAILURE
12387	STAC_INVALID_CP_ATTRIBUTE_VALUE
12388	STAC_READ_SIZE_OVERFLOW
12389	STAC_INVALID_MC_ATTRIBUTE_VALUE
12390	STAC_ORIGINAL_STATION_DOES_NOT_EXIST
12391	STAC_ORIGINAL_MEMORY_AREA_DOES_NOT_EXIST
12392	STAC_AB_DATA_LENGTH_MISMATCH
12393	STAC_AB_DATA_TYPE_MISMATCH
12394	STAC_ITEM_ADDRESS_OVERFLOW

Table continues on next page

12395	STAC_READ_SIZE_MISMATCH Mismatch in the read reply data length.
12396	STAC_INVALID_ST_ATTRIBUTE_VALUE
12397	STAC_TIMESYNC_MEMORY_AREA_NOT_DEFINED
12399	STAC_INVALID_TIMESTAMP RECEIVED

4.4.7 STA Device, Message Split Status Codes (ANSI X3.28)

12401	STMC_NON_VALID_SPLIT_REPLY
12402	STMP_SPLIT_ORIG_DEST_FAIL Failed to send the message to the stations defined in the RTU.
12403	STMP_SPLIT_SEC_DEST_FAIL Failed to send the message to the receivers of the SPLIT message defined in NET.
12404	STMP_SPLIT_TOTAL_FAIL The message was not successfully sent to any receiving station.
12405	STMC_SPLIT_ORIG_DEST_FAIL Sending the message to the target station defined in the RTU did not succeed.
12406	STMC_SPLIT_SEC_DEST_FAIL Failed to send the message to the receivers of the SPLIT message defined in NET.
12407	STMC_SPLIT_TOTAL_FAIL The message was not successfully sent to any receiving station.
12408	STMC_SPLIT_NEAR_SEC_DEST_FAIL
12409	STMC_SPLIT_NEAR_TOTAL_FAIL
12410	STMC_SEC_OK_STATUS

4.4.8 SID Devices Status Codes (ADLP80/180 slave)

12450	SIDC_INVALID_INDEX_RANGE
12451	SIDC_ILLEGAL_ATTRIBUTE_VALUE
12453	SIDC_UNKNOWN_DIAGNOSTIC_COUNTER
12454	SIDC_SC_DATA_OVERFLOW
12455	SIDC_UNKNOWN_SID_ATTRIBUTE
12456	SIDC_TEV_BUFFER_OVERFLOW
12457	SIDC_UNKNOWN_FNC_RECEIVED
12458	SIDC_INVALID_FNC_RECEIVED
12459	SIDC_FCOM_COLDSTART_RECEIVED
12460	SIDC_UNKNOWN_FCOM_RECEIVED
12461	SIDC_ILLEGAL_FCOM_RECEIVED
12462	SIDC_CBXC_RECEIVED
12463	SIDC_IHC_RECEIVED
12464	SIDC_IHC_FAILED
12465	SIDC_EXC_FAILED
12466	SIDC_ERMI_BUFFER_OVERFLOW
12467	SIDC_PREV_PC_VALUE_NOT_YET_REPORTED
12468	SIDC_PULSECOUNTER_IS_BLOCKED
12469	SIDC_ARGUMENT_EXPECTED

Table continues on next page

12470	SIDC_TOO_MANY_ARGUMENTS
12471	SIDC_NOT_ACTIVE_OR_NO_FTAB_LOADED
12472	SIDC_FCOM_ACTIVATE_RECEIVED
12474	SIDC_UNKNOWN_FTAB_RECEIVED
12475	SIDC_POINT_NOT_INITIALIZED_WHILE_DI_0
12480	SIDP_CBXC_RECEIVED
12481	SIDP_IHC_RECEIVED
12482	SIDP_EXC_FAILED
12483	SIDP_ILLEGAL_FNC_RECEIVED
12484	SIDP_COMMUNICATION_WITH_CS_LOST
12485	SIDP_COMMUNICATION_WITH_CS_ESTABLISHED
12486	SIDP_UNIMPLEMENTED_FNC_RECEIVED
12487	SIDP_UNABLE_TO_ALLOCATE_MEMORY

4.4.9 SIN Devices Status Codes (ADLP180 master)

12501	SINC_AD_DATA_ITEM_OVERFLOW
12502	SINC_AD_DATA_OVERFLOW
12503	SINC_ATTRIBUTE_IS_READ_ONLY
12504	SINC_ATTRIBUTE_IS_WRITE_ONLY
12505	SINC_COMMAND_AND_DATA_TYPE_IN_CONFLICT
12506	SINC_COMMAND_NOT_IMPLEMENTED
12507	SINC_DIAGNOSTIC_CT_RESET_DATA_ERROR
12508	SINC_DIAGNOSTIC_LOOP_TEST_DATA_ERROR
12509	SINC_DOWNLOAD_NOT_IMPLEMENTED
12510	SINC_FUNCTION_NOT_IMPLEMENTED
12512	SINC_ILLEGAL_MESSAGE_LENGTH
12514	SINC_ILLEGAL_SINDAC_COMMAND_CODE
12515	SINC_ILLEGAL_SC_DATA_TYPE_COMBINATION
12516	SINC_INDEX_RANGE_CROSSES_PRIORITY_BOUNDARY
12517	SINC_INTERNET_COMM_NOT_IMPLEMENTED
12518	SINC_MEMORY_DEFINITION_ERROR
12521	SINC_EVENT_BUFFER_OVERFLOW
12522	SINC_SC_DATA_OVERFLOW
12523	SINC_SC_TO_AD_ITEM_TYPE_INCOMPATIBILITY
12525	SINC_UNKNOWN_DESTINATION_STATION
12526	SINC_UNKNOWN_LOGICAL_DESTINATION
12527	SINC_UNKNOWN_LOGICAL_SOURCE
12528	SINC_UNKNOWN_SOURCE_STATION
12529	SINC_ZERO_LENGTH_DATA_ARRAY
12539	SINP_STOPPED
12540	SINP_SCI_RECEIVED
12541	SINP_CBXC_RECEIVED
12542	SINP_IHC_RECEIVED

Table continues on next page

12543	SINP_EXC_FAILED
12544	SINP_IHC_FAILED
12550	SINC_NO_PENDING_EVENTS
12556	SINC_ILLEGAL_ATTRIBUTE_VALUE
12557	SINC_ILLEGAL_SIN_ATTRIBUTE
12558	SINC_UNKNOWN_SIN_ATTRIBUTE
12559	SINC_DIAGNOSTIC_CMD_TRANSMISSION_ERROR
12562	SINC_MEMORY_ALLOCATION_FAILED
12566	SINC_UNKNOWN_DIAGNOSTIC_COUNTER
12567	SINC_INVALID_INDEX_RANGE
12568	SINC_INVALID_CONFIGURATION
12580	SINC_UNKNOWN_COMMUNICATION_INTERFACE_TYPE
12581	SINC_INVALID_DIAGNOSTIC_STATUS
12585	SINC_INVALID_WORD_ADDRESS

4.4.10 RTU Device Status Codes (RP570 master)

12601	RTUP_UNEXPECTED_RESPONSE
12602	RTUP_DEVICE_SUSPENDED
12603	RTUP_TIMEOUT_WHILE_WAITING_RESPONSE
12604	RTUP_DEVICE_STOPPED
12605	RTUP_DEVICE_STARTED
12606	RTUP_STATUS_CHECK_REQUESTED
12607	RTUP_TOTAL_BROADCAST_FAILURE
12608	RTUP_PARTIAL_BROADCAST_FAILURE
12609	RTUP_FAILED_TO_INITIALIZE_BC_TELEGRAM
12610	RTUP_BROADCAST_SUCCESSFULL
12611	RTUP_SB_TRANSFER_NOT_CONFIRMED
12612	RTUS_SUB_RTU_DOES_NOT_EXIST
12613	RTUS_SUB_RTU_DOES_NOT_ANSWER
12614	RTUS_OUT_OF_SERVICE
12615	RTUS_UNEXPECTED_ANSWER_FROM_SUB_RTU
12616	RTUS_NEXT_LEVEL_ROUTER_DOES_NOT_ANSWER
12617	RTUS_NEXT_LEVEL_ROUTER_OUT_OF_SERVICE
12618	RTUS_UNEXPECTED_ANSWER_FROM_NEXT_ROUTER
12619	RTUS_COMMAND_BUFFER_OVERFLOW
12620	RTUS_SUB_RTU_COMLINE_INOPERABLE
12621	RTUS_THIS_ROUTER_IS_DEACTIVATED
12622	RTUS_COMMAND_TO_SUB_RTU_IS_ACTIVE
12623	RTUS_INTERNAL_ERROR_23ZG20
12624	RTUS_INTERNAL_ERROR_23LK20
12625	RTUS_COMM_LOST_WITH_OTHER_CC
12626	RTUS_COMM_OK_WITH_OTHER_CC
12627	RTUS_SYNCHRONIZED_FROM_THIS_CC

Table continues on next page

12628	RTUS_NOT_SYNCHRONIZED_FROM_THIS_CC
12629	RTUS_FTAB_LOADED_FROM_THIS_CC
12630	RTUS_FTAB_NOT_LOADED_FROM_THIS_CC
12651	RTUC_UNKNOWN_DIAGNOSTIC_COUNTER
12652	RTUC_INVALID_RT_ATTRIBUTE_VALUE
12653	RTUC_SC_DATA_OVERFLOW
12654	RTUC_INVALID_TAG_NUMBER
12655	RTUC_TAGGED_EVENT_NOT_FOUND
12656	RTUC_TAGGED_MESSAGE_NOT_FOUND
12657	RTUC_UNKNOWN_RTU_ATTRIBUTE
12658	RTUC_INVALID_INDEX_RANGE
12659	RTUC_INVALID_IDENT_NUMBER
12660	RTUC_INVALID_SE_ATTRIBUTE_VALUE
12661	RTUC_ILLEGAL_APPLICATION_FOR_OPERATION
12662	RTUC_ATTRIBUTE_IS_WRITE_ONLY
12663	RTUC_ONLY_CHARACTER_ARRAYS_ALLOWED
12664	RTUC_ILLEGAL_LENGTH_FOR_TD
12665	RTUC_NOT_EXECUTED_RESPONSE
12666	RTUC_UNEXPECTED_RESPONSE
12667	RTUC_INVALID_FCOM_NUMBER
12668	RTUC_FCOM_NUMBER_NOT_USED
12669	RTUC_NOT_ENOUGH_INFO_FOR_FCOM
12670	RTUC_ILLEGAL_FCOM_INFO
12671	RTUC_TERMINAL_STATUS_OVERFLOW
12672	RTUC_EVENT_RECORDING_MESSAGES_LOST
12673	RTUC_ONLY_WRITE_IS_POSSIBLE
12674	RTUC_ILLEGAL_OBJECT_TYPE
12675	RTUC_ILLEGAL_OBJECT_ADDRESS
12676	RTUC_UNEXPECTED_VALUE
12677	RTUC_UNEXPECTED_COMMAND_TYPE
12678	RTUC_ILLEGAL_LENGTH_FOR_FT
12679	RTUC_DEVICE_MUST_BE_ALLOCATED
12680	RTUC_RTU_ADDRESS_NOT_CONFIGURED
12681	RTUC_INVALID_SC_ATTRIBUTE_VALUE
12682	RTUC_ILLEGAL_BROADCAST_ACTION
12683	RTUC_TRANSPARENT_DATA_PENDING
12684	RTUC_TRANSPARENT_DATA_OVERFLOW
12685	RTUC_NO_TRANSPARENT_DATA_PENDING
12686	RTUC_TRANSFER_DATA_LENGTH_MISMATCH
12687	RTUC_MEMORY_ALLOCATION_FAILED
12688	RTUC_ROUTER_RTU_ADDRESS_NOT_FOUND
12689	RTUC_INVALID_HR_ATTRIBUTE_VALUE
12690	RTUC_INVALID_SM_ATTRIBUTE_VALUE

Table continues on next page

12691	RTUC_INVALID_TA_ATTRIBUTE_VALUE
12692	RTUC_CANNOT_GET_MESSAGE_BUFFER
12693	RTUC_INVALID_TA_ATTRIBUTE_INDEX

4.4.11 RTU Device, Terminal Status Codes (RP570 master)

12701	RTUS_INDICATION_FAULTY
12702	RTUS_INDICATION_OK
12703	RTUS_ANALOG_VALUE_FAULTY
12704	RTUS_ANALOG_VALUE_OK
12705	RTUS_DIGITAL_VALUE_FAULTY
12706	RTUS_DIGITAL_VALUE_OK
12707	RTUS_PULSE_COUNTER_FAULTY
12708	RTUS_PULSE_COUNTER_OK
12709	RTUS_COMMAND_OUTPUT_FAULTY
12710	RTUS_COMMAND_OUTPUT_OK
12711	RTUS_SETPOINT_OUTPUT_FAULTY
12712	RTUS_SETPOINT_OUTPUT_OK
12713	RTUS_GENERAL_OUTPUT_FAULTY
12714	RTUS_GENERAL_OUTPUT_OK
12715	RTUS_RTU_FAULTY
12716	RTUS_RTU_OK
12717	RTUS_RTU_ACTIVE
12718	RTUS_RTU_NOT_ACTIVE
12719	RTUS_RTU_SYNCHRONIZED
12720	RTUS_RTU_NOT_SYNCHRONIZED
12721	RTUS_EXTERNAL_CLOCK_INOPERABLE
12722	RTUS_EXTERNAL_CLOCK_OPERABLE
12723	RTUS_LOCAL_PRINTER_OFFLINE
12724	RTUS_LOCAL_PRINTER_ONLINE
12725	RTUS_COMMAND_OUTPUTS_BLOCKED
12726	RTUS_COMMAND_OUTPUTS_DEBLOCKED
12727	RTUS_AC_FAILURE
12728	RTUS_AC_OK
12729	RTUS_BATTERY_LOW
12730	RTUS_BATTERY_OK
12731	RTUS_LOCAL_PRINTER_FAILURE
12732	RTUS_LOCAL_PRINTER_OK
12733	RTUS_RWM_BATTERY_FAULTY
12734	RTUS_RWM_BATTERY_OK
12735	RTUS_PLAIN_TEXTS_LOADED
12736	RTUS_PLAIN_TEXTS_NOT_LOADED
12737	RTUS_BACKUP_FOR_PLAIN_TEXTS_FAULTY
12738	RTUS_BACKUP_FOR_PLAIN_TEXTS_OK

Table continues on next page

12739	RTUS_PROCESS_VOLTAGE_FAULTY
12740	RTUS_PROCESS_VOLTAGE_OK
12741	RTUS_LOCAL_WARNING
12742	RTUS_END_OF_LOCAL_WARNING
12743	RTUS_SUBORDINARE_RTU_IS_INOPERABLE
12744	RTUS_SUBORDINARE_RTU_IS_OPERABLE
12745	RTUS_SUBORDINARE_RTU_IS_OUT_OF_SERVICE
12746	RTUS_SUBORDINARE_RTU_IS_INSERVICE
12747	RTUS_HOST1_IS_DISCONNECTED
12748	RTUS_HOST1_IS_CONNECTED
12749	RTUS_HOST2_IS_DISCONNECTED
12750	RTUS_HOST2_IS_CONNECTED
12751	RTUS_HOST3_IS_DISCONNECTED
12752	RTUS_HOST3_IS_CONNECTED
12753	RTUS_HOST1_IS_PRIMARY_HOST
12754	RTUS_HOST2_IS_PRIMARY_HOST
12755	RTUS_HOST3_IS_PRIMARY_HOST
12756	RTUS_YOU_ARE_PRIMARY_HOST
12757	RTUS_YOU_ARE_NOT_PRIMARY_HOST
12758	RTUS_SUBORD_RTU_LINE_1_IS_INOPERABLE
12759	RTUS_SUBORD_RTU_LINE_1_IS_OPERABLE
12760	RTUS_SUBORD_RTU_LINE_2_IS_INOPERABLE
12761	RTUS_SUBORD_RTU_LINE_2_IS_OPERABLE
12762	RTUS_SUBORD_RTU_LINE_3_IS_INOPERABLE
12763	RTUS_SUBORD_RTU_LINE_3_IS_OPERABLE
12764	RTUS_SUBORD_RTU_LINE_4_IS_INOPERABLE
12765	RTUS_SUBORD_RTU_LINE_4_IS_OPERABLE
12766	RTUS_SUBORD_RTU_LINE_5_IS_INOPERABLE
12767	RTUS_SUBORD_RTU_LINE_5_IS_OPERABLE
12768	RTUS_SUBORD_RTU_LINE_6_IS_INOPERABLE
12769	RTUS_SUBORD_RTU_LINE_6_IS_OPERABLE
12770	RTUS_SUBORD_RTU_LINE_7_IS_INOPERABLE
12771	RTUS_SUBORD_RTU_LINE_7_IS_OPERABLE
12772	RTUS_SUBORD_RTU_LINE_8_IS_INOPERABLE
12773	RTUS_SUBORD_RTU_LINE_8_IS_OPERABLE
12774	RTUS_SUBORD_RTU_LINE_9_IS_INOPERABLE
12775	RTUS_SUBORD_RTU_LINE_9_IS_OPERABLE
12776	RTUS_SUBORD_RTU_LINE_10_IS_INOPERABLE
12777	RTUS_SUBORD_RTU_LINE_10_IS_OPERABLE
12778	RTUS_SUBORD_RTU_LINE_11_IS_INOPERABLE
12779	RTUS_SUBORD_RTU_LINE_11_IS_OPERABLE
12780	RTUS_SUBORD_RTU_LINE_12_IS_INOPERABLE
12781	RTUS_SUBORD_RTU_LINE_12_IS_OPERABLE
12782	RTUS_SUBORD_RTU_LINE_13_IS_INOPERABLE

Table continues on next page

12783	RTUS_SUBORD_RTU_LINE_13_IS_OPERABLE
12784	RTUS_SUBORD_RTU_LINE_14_IS_INOPERABLE
12785	RTUS_SUBORD_RTU_LINE_14_IS_OPERABLE
12786	RTUS_SUBORD_RTU_LINE_15_IS_INOPERABLE
12787	RTUS_SUBORD_RTU_LINE_15_IS_OPERABLE
12788	RTUS_SUBORD_RTU_LINE_16_IS_INOPERABLE
12789	RTUS_SUBORD_RTU_LINE_16_IS_OPERABLE

4.4.12 PCL Device Status Codes (P214)

12801	PCLP_STATION_SUSPENDED
12802	PCLP_REPLY_TIMEOUT
12803	PCLP_STOPPED
12804	PCLP_UNEXPECTED_PR_COMMAND
12805	PCLP_SIGNAL_QUEUE_EMPTY
12806	PCLP_UNEXPECTED_PR_REPLY
12807	PCLP_STATION_LINE_ERROR
12808	PCLC_UNKNOWN_DESTINATION_STATION
12809	PCLC_ATTRIBUTE_IS_WRITE_ONLY
12810	PCLC_COMM_NOT_IMPLEMENTED
12811	PCLC_INTERNET_COMM_NOT_IMPLEMENTED
12812	PCLC_UNKNOWN_STA_ATTRIBUTE
12813	PCLC_NOT_VALID_COMMAND
12814	PCLC_ILLEGAL_COMMAND_CODE
12815	PCLC_MESSAGE_CODING_ERROR Result of an invalid transaction length.
12816	PCLC_UNKNOWN_PCL_ATTRIBUTE
12817	PCLC_UNKNOWN_DIAGNOSTIC_COUNTER
12818	PCLC_SC_DATA_OVERFLOW
12819	PCLC_INVALID_INDEX_RANGE
12820	PCLC_INVALID_RT_ATTRIBUTE_VALUE
12821	PCLC_ILLEGAL_LENGTH_FOR_GP
12822	PCLC_ONLY_CHARACTER_TYPE_ALLOWED
12823	PCLC_UNDEFINED_EV_CODE
12824	PCLC_NO_MESSAGE_DATA
12825	PCLC_ILLEGAL_LENGTH_FOR_ST
12826	PCLC_ATTRIBUTE_IS_BROADCAST_ONLY
12827	PCLC_ILLEGAL_BROADCAST_ATTRIBUTE
12828	PCLC_INVALID_PCL_ADDRESS
12829	PCLC_DEVICE_MUST_BE_ALLOCATED
12830	PCLC_UNKNOWN_EVENT_TYPE Result of an event type which has no handling routine.
12831	PCLC_INTERNAL_BUFFER_FILLING_ERROR Result of a buffer overflow in the protocol conversion.

4.4.13 SAT Device Status Codes (COMLI slave)

12851	SATC_EVENT_QUEUE_EMPTY
12852	SATC_EVENT_QUEUE_OVERFLOW
12853	SATC_EVENT_QUEUE_CORRUPTED
12854	SATP_STOPPED
12855	SATC_UNKNOWN_ATTRIBUTE
12856	SATC_INVALID_BCD_CODE
12857	SATP_MESSAGE_TRANSLATION_ERROR
12858	SATP_CHARACTER_FORMAT_ERROR
12859	SATC_SCM_MESSAGE_FILLING_ERROR
12860	SATC_EVENT_QUEUE_FULL
12861	SATC_INVALID_EVENT_QUEUE_ADDRESS
12862	SATC_NO_UNACCEPTED_EVENTS
12863	SATC_UNKNOWN_DIAGNOSTIC_COUNTER
12864	SATC_INVALID_RT_ATTRIBUTE_VALUE
12865	SATC_INVALID_REGISTER_ADDRESS
12866	SATC_SC_DATA_OVERFLOW
12867	SATC_INVALID_INDEX_RANGE
12868	SATC_EMPTY_MESSAGE
12869	SATC_INVALID_EVENT_CODE
12870	SATC_THIS_EVENT_QUEUE_SLOT_IS_EMPTY
12871	SATC_IV_NUM_OUT_OF_RANGE
12872	SATC_EV_NUM_OUT_OF_RANGE
12873	SATC_RV_NUM_OUT_OF_RANGE

4.4.14 BAG Device Status Codes (INSUM master)

12901	BAGP_STOPPED
12902	BAGC_UNKNOWN_BAG_ATTRIBUTE
12903	BAGP_REPLY_TIMEOUT
12904	BAGP_STATION_LINE_ERROR
12905	BAGP_STATION_SUSPENDED
12906	BAGP_CANNOT_GET_POLL_MESSAGE
12907	BAGP_CANNOT_GET_REPLY_BUFFER
12908	BAGP_SYS_TIMEOUT
12909	BAGC_ATTRIBUTE_IS_READ_ONLY
12910	BAGC_ATTRIBUTE_IS_WRITE_ONLY

4.4.15 LCU Device Status Codes (LCU500 master)

12950	LCUC_INVALID_ATTRIBUTE_VALUE
12951	LCUC_INVALID_ATTRIBUTE_INDEX
12952	LCUC_MEMORY_ALLOC_FAILED

Table continues on next page

12953	LCUC_NO_DATA_AVAILABLE
12954	LCUC_UNEXPECTED_VALUE_TYPE
12955	LCUC_ILLEGAL_ANALOG_OUTPUT_ADDR
12956	LCUC_ILLEGAL_DIGITAL_OUTPUT_ADDR
12957	LCUC_ILLEGAL_OBJECT_TYPE
12958	LCUC_DEVICE_MUST_BE_ALLOCATED
12959	LCUC_REQ_D_DATA_AVAILABLE
12960	LCUC_SC_DATA_OVERFLOW
12961	LCUC_TOO_LONG_D_MES_RECEIVED
12962	LCUC_LCU_ADDRESS_NOT_CONFIGURED
12963	LCUC_UNKNOWN_DIAGNOSTIC_COUNTER
12964	LCUC_REQ_D_FAILED
12965	LCUC_INVALID_INDEX_RANGE
12966	LCUC_UNKNOWN_LCU_ATTRIBUTE
12967	LCUC_SET_D_FAILED
12968	LCUC_DO_DATABASE_NOT_VALID
12969	LCUC_REQ_S_AFTER_SET_D_FAILED
12970	LCUC_STS_AFTER_SET_D_AVAILABLE
12971	LCUC_RTM_NO_DESTINATION_LINES_AVAILABLE
12972	LCUC_UNEXPECTED_RESPONSE
12973	LCUC_ATTRIBUTE_IS_READ_ONLY
12974	LCUC_ILLEGAL_APPLICATION_FOR_OPERATION
12975	LCUC_ATTRIBUTE_IS_WRITE_ONLY
12976	LCUC_ILLEGAL_BROADCAST_ACTION
12978	LCUC_RTM_MEMORY_ALLOC_FAILED
12979	LCUC_INVALID_RTM_ATTR_ARRAY
12980	LCUC_RTM_ALREADY_ACTIVE
12981	LCUC_RTM_INVALID_LINE_NUMBER
12985	LCUP_UNEXPECTED_DEV_REPLY_MSG_TYPE
12986	LCUP_LOCAL_GI_RESET_FAILED
12987	LCUP_TIMEOUT_WHILE_DOING_LOCAL_SET_GI
12988	LCUP_LOCAL_SET_GI_FAILED
12989	LCUP_DEVICE_SUSPENDED
12990	LCUP_DEVICE_STOPPED
12991	LCUP_DEVICE_STARTED
12992	LCUP_OUT_OF_BUFFERS
12994	LCUP_TIMEOUT_WHILE_WAITING_RESPONSE
12995	LCUP_UNEXPECTED_BC_REPLY
12996	LCUP_BROADCAST_FAILURE
12997	LCUP_EXCEPTION_DETECTED
12998	LCUP_LINE_ERROR CAUSED_PA_READ_FAIL
12999	LCUP_TIMEOUT_WHILE_DOING_PERIODIC_PA_READ Timeout when a reply to PA poll is waited.

4.4.16 PAC Device Status Codes

13001	PACP_ALLOCATION_FAILED
13002	PACP_CANNOT_GET_MESSAGE
13003	PACP_NO_PAC_REPLY
13004	PACP_NOT_CORRECT_PAC_REPLY
13005	PACP_TRANSITION_TO_SUSPENDED
13006	PACP_TRANSITION_TO_STOPPED
13007	PACP_IN_SUSPENDED_STATE
13008	PACP_IN_STOPPED_STATE
13009	PACC_UNKNOWN_PAC5_ATTRIBUTE
13010	PACC_UNKNOWN_DIAGNOSTIC_COUNTER
13011	PACC_SC_DATA_OVERFLOW
13012	PACC_INVALID_INDEX_RANGE
13013	PACC_INVALID_RT_ATTRIBUTE_VALUE
13014	PACC_INVALID_ART_ATTRIBUTE_VALUE
13015	PACC_INVALID_PD_ATTRIBUTE_VALUE
13016	PACC_UNKNOWN_BASE_ADDRESS
13017	PACC_LED_IMAGE_INDEX_OUT_OF_RANGE
13018	PACC_INVALID_KEY_COUNT_ATTRIBUTE_VALUE
13019	PACC_INVALID_LED_COUNT_ATTRIBUTE_VALUE
13020	PACC_DIAGNOSTIC_COUNTER_OVERFLOW
13021	PACC_PAC_MESSAGE_OVERFLOW
13022	PACC_PAC_MESSAGE_READ_ERROR
13023	PACC_INVALID_SCM_KEY_ADDRESS

4.4.17 PRI Device Status Codes (ASCII printer)

13101	PRIP_INVALID_PRINT_COMMAND_SOURCE
13102	PRIC_MESSAGE_BUFFER_OVERFLOW Contact a Hitachi ABB Power Grids representative.
13103	PRIP_PRINTER_OFF_LINE The printer is in off-line state (the printouts remain in the SYS600 printout queue). The reason may be, for example: Paper is out The printer has been switched off manually The printer is erroneous NET sends a system message (address = the MI attribute of the printer) when the printer is switched offline (value = 13103) or online (value = 0).
13104	PRIP_PRINTER_ON_LINE
13105	PRIP_PRINTER_RESERVED_BY_OTHER_PROCESS
13106	PRIC_UNKNOWN_PRINTER_ATTRIBUTE
13107	PRIC_RELEASE_CMD_FROM_WRONG_PROCESS
13108	PRIC_INVALID_COLOR_MESSAGE_FORMAT The reason may be that printer has not been defined as a color printer in the base system.
13109	PRIC_MESSAGE_FILLING_ERROR

Table continues on next page

13110	PRIC_PRINTER_IN_USE The attribute cannot be changed while the printer is in use.
13111	PRIC_INVALID_PT_ATTRIBUTE_VALUE
13112	PRIC_INVALID_PE_ATTRIBUTE_VALUE
13113	PRIP_NO_MORE_ITEMS_IN_BUFFER
13115	PRIC_INVALID_INDEX_RANGE
13116	PRIC_EMPTY_MESSAGE The reason may be that printout format has not been defined or that there is no format picture.
13117	PRIC_SC_DATA_OVERFLOW
13118	PRIC_NO_MORE_LINE_PAIRS_IN_BUFFER
13119	PRIP_NO_PRINTER_CONNECTION
13120	PRIP_PRINTER_OFF_LINE_AND_NO_CONNECTION
13121	PRIP_PRINTER_NOT_IN_USE
13122	PRIC_INVALID_PIXEL_PATTERN
13123	PRIC_MEMORY_ALLOCATION_FAILED
13124	PRIP_PRINTER_STOPPED
13125	PRIP_PRINTER_NOT_READY
13126	PRIC_PRINTER_OFF_LINE_STATE_CANCELLED

4.4.18 SPA Device Status Codes (SPA master)

13201	SPAC_SC_DATA_OVERFLOW
13202	SPAC_TOO_LONG_REPLY RECEIVED
13203	SPAC_SPA_ADDRESS_NOT_CONFIGURED
13204	SPAC_DEVICE_MUST_BE_ALLOCATED
13205	SPAC_UNKNOWN_DIAGNOSTIC_COUNTER
13206	SPAC_INVALID_INDEX_RANGE
13207	SPAC_INVALID_RT_ATTRIBUTE_VALUE
13208	SPAC_UNKNOWN_SPA_ATTRIBUTE
13209	SPAC_ILLEGAL_APPLICATION_FOR_OPERATION
13210	SPAC_ATTRIBUTE_IS_WRITE_ONLY
13211	SPAC_ILLEGAL_BROADCAST_ACTION
13212	SPAC_UNEXPECTED_RESPONSE
13213	SPAC_INVALID_ATTRIBUTE_VALUE
13214	SPAC_CHAR_TYPE_EXPECTED
13215	SPAC_INTERNAL_ERROR
13216	SPAC_INVALID_POINT_DEFINITION
13217	SPAC_DATABASE_UPDATE_COMPLETED
13218	SPAC_TOO_MANY_ARGUMENTS
13219	SPAC_ARGUMENT_EXPECTED
13220	SPAC_UNABLE_TO_ALLOCATE_MEMORY
13221	SPAC_POINT_DEFINITION_NOT_FOUND
13222	SPAC_NO_ACKNOWLEDGE_RESPONSE
13223	SPAC_UNEXPECTED_VALUE_TYPE

Table continues on next page

13224	SPAC_ILLEGAL_OBJECT_TYPE
13225	SPAC_ONLY_WRITE_IS_POSSIBLE
13226	SPAC_NO_ACKNOWLEDGE_REPLY
13227	SPAC_EVENT_DATA_DISCREPANCY_DETECTED
13228	SPAC_NO_SM_REPLY_AVAILABLE
13229	SPAC_OUT_OF_BUFFERS
13230	SPAC_SM_ATTR_ACCESS_VIOLATION
13231	SPAC_PARAMETER_TRANSFER_RESERVED
13232	SPAC_PARAMETER_TRANSFER_RELEASE_DENIED
13233	SPAC_POINT_ALREADY_EXISTS
13234	SPAC_NV_INDEX_ALREADY_EXISTS
13235	SPAC_NV_POLL_FAILED
13236	SPAC_TOO_MANY_POINTS_IN_DEFINITION Too many analog input or counter input points configured to the same poll.
13251	SPAP_DEVICE_SUSPENDED
13252	SPAP_DEVICE_STOPPED
13253	SPAP_DEVICE_STARTED
13254	SPAP_OUT_OF_BUFFERS
13255	SPAP_TIMEOUT_WHILE_WAITING_RESPONSE
13256	SPAP_UNEXPECTED_BC_REPLY
13257	SPAP_BROADCAST_FAILURE
13258	SPAP_DATABASE_UPDATE_COMPLETED
13259	SPAP_INTERNAL_TIMEOUT This error is returned by the External OPC DA client when a command is issued and the OPC server does not inform the result of the OPC write operation within the time specified by parameter ReadWriteTimeout. Possible reason for this is that the mentioned timeout is too short or the OPC server has entered an erroneous state.
13260	SPAP_ATTRIBUTE_IS_WAITING_FOR_READ This error is returned by the External OPC DA client when a subsequent write command has been issued to a custom STA attribute which is connected to an item having an exclusive write access. The attribute should be read before a new write is accepted.

4.4.19 BPO (Bit Pad One) Device Status Codes

13302	BPOC_UNKNOWN_BIT_PAD_ONE_ATTRIBUTE
13303	BPOC_UNKNOWN_MONITOR_NUMBER
13304	BPOC_INVALID_MO_ATTRIBUTE_VALUE
13305	BPOC_INVALID_INDEX_RANGE
13306	BPOC_INVALID_BT_ATTRIBUTE_VALUE

4.4.20 REX Device Status Codes (LON)

13272	REXP_DEVICE_STOPPED
13273	REXP_DEVICE_STARTED
13274	REXP_DEVICE_HALTED
13275	REXP_OUT_OF_BUFFERS
13276	REXP_TIMEOUT_WHILE_WAITING_RESPONSE

Table continues on next page

13277	REXP_DEVICE_CONNECTING
13278	REXP_DISCONNECT_IND_RECEIVED
13279	REXP_CONN_CON_RECEIVED
13280	REXP_EVENT_SESSION_REJECTED
13281	REXP_EVENT_SESSION_SETUP_TIMEOUT
13282	REXP_RUNNING_MODE_OPERATION_CONFLICT
13283	REXP_DEVICE_WAITING_GO_COMMANDS When session setup command has been successfully executed, the REX device in PC-NET sends this status code to indicate that it is ready to receive the General Object Handling Commands (REX GO attribute) from the SYS600 application.
13284	REXP_SETUP_SESSION_REJECTED If the device sends a negative response to the General Object Handling command, the SCIL command will get this status.
13285	REXP_SETUP_SESSION_TIMEOUT If the device sends a negative response to the General Object Handling command, the SCIL command will get this status.
13311	REXC_SC_DATA_OVERFLOW
13312	REXC_LON_ADDRESS_NOT_CONFIGURED
13313	REXC_DEVICE_MUST_BE_ALLOCATED
13314	REXC_UNKNOWN_DIAGNOSTIC_COUNTER
13315	REXC_INVALID_INDEX_RANGE
13316	REXC_ILLEGAL_APPLICATION_FOR_OPERATION
13317	REXC_ATTRIBUTE_IS_WRITE_ONLY
13318	REXC_INVALID_ATTRIBUTE_VALUE
13319	REXC_CHAR_TYPE_EXPECTED
13320	REXC_INTERNAL_ERROR
13321	REXC_INVALID_POINT_DEFINITION
13322	REXC_TOO_MANY_ARGUMENTS
13323	REXC_ARGUMENT_EXPECTED
13324	REXC_UNABLE_TO_ALLOCATE_MEMORY
13325	REXC_POINT_DEFINITION_NOT_FOUND
13326	REXC_NO_ACKNOWLEDGE_RESPONSE
13327	REXC_UNEXPECTED_VALUE_TYPE
13328	REXC_ILLEGAL_OBJECT_TYPE
13329	REXC_ONLY_WRITE_IS_POSSIBLE
13330	REXC_NO_ACKNOWLEDGE_REPLY
13331	REXC_NO_SM_REPLY_AVAILABLE
13332	REXC_OUT_OF_BUFFERS
13333	REXC_SM_ATTR_ACCESS_VIOLATION
13334	REXC_PARAMETER_TRANSFER_RESERVED
13335	REXC_PARAMETER_TRANSFER_RELEASE_DENIED
13336	REXC_ILLEGAL_BROADCAST_ACTION
13337	REXC_ILLEGAL_IEC_EVENT RECEIVED
13338	REXC_GI_ACTIVATION_CONF RECEIVED
13339	REXC_GI_TERMINATION RECEIVED
13340	REXC_UNABLE_TO_CONVERT_FROM_SC_COMMAND

Table continues on next page

13341	REXC_INVALID_RT_ATTRIBUTE_VALUE
13342	REXC_UNKNOWN_LON_ATTRIBUTE
13345	REXC_FT_CHECKSUM_ERROR Checksum error in download or upload procedure.
13346	REXC_FT_DEVICE_MEMORY_ERROR Unsuccessful memory allocation in device.
13347	REXC_FT_COMMUNICATION_SERVICE_ERROR
13348	REXC_FT_FILE_OR_DIR_ID_ERROR File or directory with given ID does not exist.
13349	REXC_FT_DEVICE_UNABLE_TO_PERFORM_COMMAND The requested file from device could not uploaded or deleted. Negative response from device.
13350	REXC_FT_COMMUNICATION_TIMEOUT
13351	REXC_FT_SIMULTANEOUS_SERVICE_NOT_ALLOWED
13352	REXC_FT_CANCELLED_BY_DEVICE
13353	REXC_FT_DIRECTORY_ENTRY_CREATED_BY_DEVICE
13354	REXC_FT_FILE_OR_DIRECTORY_DOES_NOT_EXIST
13355	REXC_MAX_NACK_LIMIT_EXCEEDED
13371	REXP_DEVICE_SUSPENDED

4.4.21 LMK Device Status Codes (LON)

13401	LMKP_DEVICE_SUSPENDED
13402	LMKP_DEVICE_STARTED
13403	LMKP_DEVICE_STOPPED
13404	LMKP_DEVICE_ALREADY_STARTED
13405	LMKP_DEVICE_ALREADY_STOPPED
13406	LMKP_OUT_OF_MESSAGE_BUFFERS
13407	LMKP_TIMEOUT_WHILE_WAITING_COMPLETION
13408	LMKP_TIMEOUT_WHILE_WAITING_REPLY
13409	LMKP_NV_POLL_FAILED
13421	LMKC_ATTRIBUTE_IS_WRITE_ONLY
13422	LMKC_ILLEGAL_APPLICATION_FOR_OPERATION
13423	LMKC_ONLY_WRITE_IS_POSSIBLE
13424	LMKC_NO_POINT_FOR_THIS_SYS_INDEX_FOUND
13425	LMKC_POINT_NOT_AN_OUTPUT
13426	LMKC_DATA_OUT_OF_RANGE_FOR_OUTPUT_TYPE
13427	LMKC_WRONG_DATA_TYPE_FOR_OUTPUT_TYPE
13428	LMKC_UNKNOWN_LMK_ATTRIBUTE
13429	LMKC_INTERNAL_ERROR
13430	LMKC_SC_DATA_OVERFLOW
13431	LMKC_NO_LM_REPLY_AVAILABLE
13432	LMKC_INVALID_RT_ATTRIBUTE_VALUE
13433	LMKC_ARGUMENT_EXPECTED
13434	LMKC_INVALID_INDEX_RANGE

Table continues on next page

13435	LMKC_INVALID_ATTRIBUTE_VALUE
13436	LMKC_PARAMETER_TRANSFER_RESERVED
13437	LMKC_PARAMETER_TRANSFER_RELEASE_DENIED
13438	LMKC_UNKNOWN_DIAGNOSTIC_COUNTER
13439	LMKC_DEVICE_MUST_BE_ALLOCATED
13440	LMKC_UNABLE_TO_ALLOCATE_MEMORY
13441	LMKC_TOO_MANY_ARGUMENTS
13442	LMKC_POINT_ALREADY_EXISTS
13443	LMKC_NV_INDEX_ALREADY_EXISTS
13444	LMKC_POINT_DEFINITION_NOT_FOUND

4.4.22 SPI device status codes (RP570 slave)

13450	SPIC_INVALID_INDEX_RANGE
13451	SPIC_ILLEGAL_ATTRIBUTE_VALUE
13453	SPIC_UNKNOWN_DIAGNOSTIC_COUNTER
13454	SPIC_SC_DATA_OVERFLOW
13455	SPIC_UNKNOWN_SPI_ATTRIBUTE
13456	SPIC_TEV_BUFFER_OVERFLOW
13457	SPIC_UNKNOWN_FNC RECEIVED
13458	SPIC_INVALID_FNC RECEIVED
13459	SPIC_FCOM_COLDSTART RECEIVED
13460	SPIC_UNKNOWN_FCOM RECEIVED
13461	SPIC_ILLEGAL_FCOM RECEIVED
13462	SPIC_CBXC RECEIVED
13463	SPIC_IHC RECEIVED
13464	SPIC_IHC FAILED
13465	SPIC_EXC FAILED
13466	SPIC_ERMI_BUFFER_OVERFLOW
13467	SPIC_PREV_PC_VALUE_NOT_YET_REPORTED
13468	SPIC_PULSECOUNTER_IS_BLOCKED
13469	SPIC_ARGUMENT_EXPECTED
13470	SPIC_TOO_MANY_ARGUMENTS
13471	SPIC_NOT_ACTIVE_OR_NO_FTAB_LOADED
13472	SPIC_FCOM_ACTIVATE RECEIVED
13473	SPIC_FCOM_DEACTIVATE RECEIVED
13474	SPIC_UNKNOWN_FTAB RECEIVED
13475	SPIC_INVALID_FTAB
13476	SPIC_FTAB_NOT_IMPLEMENTED
13477	SPIC_POINT_NOT_INITIALIZED WHILE DI_0
13478	SPIC_ERMX NOT RECORDED
13479	SPIC_INVALID_FUNCTION_CODE
13480	SPIP_CBXC RECEIVED
13481	SPIP_IHC RECEIVED

Table continues on next page

13482	SPIP_EXC_FAILED
13483	SPIP_ILLEGAL_FNC RECEIVED
13484	SPIP_COMMUNICATION_WITH_CS_LOST
13485	SPIP_COMMUNICATION_WITH_CS_ESTABLISHED
13486	SPIP_UNIMPLEMENTED_FNC RECEIVED
13487	SPIP_UNABLE_TO_ALLOCATE_MEMORY
13488	SPIP_COMMANDS_BLOCKED_FROM_MASTER
13489	SPIP_STATION_STOPPED SPI station object is in stopped state.
13490	SPIC_NOT_IN_EXCLUSIVE_COMMAND_MODE
13491	SPIC_INVALID_TEV_NUMBER
13492	SPIC_TDR_QUEUE_FULL
13493	SPIC_EXCLUSIVE_COMMAND_TIMEOUT
13494	SPIC_INVALID_TDR_LENGTH
13495	SPIC_INVALID_TSTA_ID
13496	SPIC_NO_ACTIVE_COMMAND This status is returned when the application writes to the SPI station attribute CS and no active select or execute command is waiting for status. It is possible that the timeout defined by attribute AT has occurred.
13499	SPIP_INITIATE_DATABASE_REINITIALIZATION This status code is only used by Modbus slave application.

4.4.23 MON (Monitor) Device Status Codes

13501	MONC_INVALID_MONITOR_ADDRESS
13502	MONC_MONITOR_IN_USE
13503	MONC_UNKNOWN_MONITOR_ATTRIBUTE
13504	MONC_INVALID_INDEX_RANGE

4.4.24 ADE Device Status Codes (General ASCII)

13551	ADEC_INVALID_INDEX_RANGE
13552	ADEC_SC_DATA_OVERFLOW
13553	ADEC_UNKNOWN_ADEMCO_ATTRIBUTE

4.4.25 PCO Device Status Codes (RCOM master)

13601	PCOP_DEVICE_STARTED
13602	PCOP_TIMEOUT_WHILE_WAITING_RESPONSE
13603	PCOP_DEVICE_SUSPENDED
13604	PCOP_DEVICE_RESPONDING AGAIN
13605	PCOP_DEVICE_RESTARTED_QUEUE_EMPTY
13606	PCOP_DEVICE_STOPPED
13621	PCOC_INVALID_INDEX_RANGE
13622	PCOC_SC_DATA_OVERFLOW

Table continues on next page

13623	PCOC_UNKNOWN_RCOM_ATTRIBUTE
13624	PCOC_INVALID_ATTRIBUTE_VALUE
13625	PCOC_PLC_PROGRAM_NOT RESPONDING
13626	PCOC_ILLEGAL_APPLICATION_FOR_OPERATION
13627	PCOC_ATTRIBUTE_IS_WRITE_ONLY
13628	PCOC_FCOM_NUMBER_NOT_USED
13629	PCOC_INVALID_FCOM_NUMBER
13630	PCOC_UNEXPECTED_RESPONSE
13631	PCOC_SYSTEM_MESSAGE RECEIVED
13632	PCOC_INVALID_RT_ATTRIBUTE_VALUE
13633	PCOC_RCOM_UNIT_NOT_NORMALIZED
13634	PCOC_NOT_VALID_FOR_BROADCAST
13635	PCOC_OUT_OF_BUFFERS
13636	PCOC_SUBSTATION_PLC_STOPPED

4.4.26 WES Device Status Codes (Westinghouse F4F slave)

13651	WESC_TT_QUEUE_EMPTY
13652	WESC_TT_QUEUE_OVERFLOW
13653	WESC_TT_QUEUE_CORRUPTED
13654	WESP_STOPPED
13655	WESC_UNKNOWN_ATTRIBUTE
13656	WESC_INVALID_CRC_CODE
13657	WESP_MESSAGE_TRANSLATION_ERROR
13658	WESP_CHARACTER_FORMAT_ERROR
13659	WESC_SCM_MESSAGE_FILLING_ERROR
13660	WESC_EVENT_QUEUE_FULL
13661	WESC_INVALID_EVENT_QUEUE_ADDRESS
13662	WESC_NO_UNACCEPTED_EVENTS
13663	WESC_UNKNOWN_DIAGNOSTIC_COUNTER
13664	WESC_INVALID_RT_ATTRIBUTE_VALUE
13665	WESC_INVALID_REGISTER_ADDRESS
13666	WESC_SC_DATA_OVERFLOW
13667	WESC_INVALID_INDEX_RANGE
13668	WESC_EMPTY_MESSAGE
13669	WESC_INVALID_EVENT_CODE
13670	WESC_THIS_EVENT_QUEUE_SLOT_IS_EMPTY
13671	WESC_ID_NUM_OUT_OF_RANGE
13672	WESC_AV_NUM_OUT_OF_RANGE
13673	WESC_TT_NUM_OUT_OF_RANGE
13674	WESC_TT_QUEUE_FULL
13675	WESC_NOT_IMPLEMENTED
13676	WESC_INVALID_FT_VECTOR_LENGTH

Table continues on next page

13677	WESC_INVALID_CATEGORY_NUMBER
13678	WESC_INVALID_GROUP_NUMBER
13679	WESC_INVALID_BINARY_VALUE

4.4.27 ATR Device Status Codes (Alpha/IEC1107)

13751	ATRP_SESSION_BEGIN
13752	ATRP_NOT_ALLOWED_WHILE_COMMUNICATING
13753	ATRP_SESSION_END
13754	ATRP_SESSION_ABORTED
13755	ATRP_SESSION_STOPPED
13756	ATRC_UNKNOWN_ATTRIBUTE
13757	ATRC_SESSION_FIFO_FULL
13758	ATRC_TOO_LONG_MESSAGE
13759	ATRC_STATION_NOT_IN_USE
13760	ATRC_LINE_NOT_IN_USE
13761	ATRC_ILLEGAL_ATTRIBUTE_VALUE
13762	ATRC_LINE_RESERVED

4.4.28 PLC Device Status Codes (General PLC/Modbus)

13800	PLCP_IN_INITIALIZE_DB_STATE
13801	PLCP_DEVICE_SUSPENDED
13802	PLCP_STOPPED
13803	PLCP_STARTTED
13804	PLCC_MESSAGE_FILLING_ERROR
13805	PLCC_INVALID_OBJECT_TYPE
13806	PLCC_INVALID_ADDRESS
13807	PLCC_INVALID_DATA
13808	PLCC_INVALID_OBJECT_INDEX
13809	PLCC_NOT_IMPLEMENTED_FUNCTION
13810	PLCC_NOT_EXPECTED_FUNCTION_CODE_FROM_PLC
13811	PLCC_ILLEGAL_PLC_FUNCTION
13812	PLCC_ILLEGAL_PLC_DATA_ADDRESS
13813	PLCC_ILLEGAL_PLC_DATA_VALUE
13814	PLCC_SLAVE_DEVICE_FAILURE
13815	PLCC_ACKNOWLEDGE
13816	PLCC_SLAVE_DEVICE_BUSY
13817	PLCC_NEGATIVE_ACKNOWLEDGE
13818	PLCC_MEMORY_PARITY_ERROR
13819	PLCC_UNKNOWN_DIAGNOSTIC_COUNTER
13820	PLCC_INVALID_TOPIC_NUMBER
13821	PLCC_INVALID_OBJECT_ADDRESS
13822	PLCC_INVALID_OBJECT_FORMAT

Table continues on next page

13823	PLCC_SC_DATA_OVERFLOW
13824	PLCC_INVALID_INDEX_RANGE
13825	PLCC_UNKNOWN_ATTRIBUTE
13826	PLCC_LOCAL_RESPONSE
13827	PLCP_TIMEOUT_WHILE_WAITING_RESPONSE
13828	PLCP_EVENT_BUFFER_OK
13829	PLCP_EVENT_BUFFER_OVERFLOW
13830	PLCP_EVENT_BUFFER_ERROR
13831	PLCC_UNKNOWN_FUNCTION
13832	PLCC_NO_ADDITIONAL_DATA_AVAILABLE Station attribute AD does not contain any data.
13833	PLCC_INVALID_ATTRIBUTE_VALUE Returned to SCIL if the entered value in attribute setting is invalid.
13834	PLCC_INTERNAL_ERROR Internal software error.
13835	PLCC_TOO_LONG_REPLY_RECEIVED The response from the device was too long for an attribute read.
13836	PLCC_MM_ATTRIBUTE_ACCESS_VIOLATION The MM attribute must be read from the same application it was written.
13837	PLCC_NO_MM_REPLY_AVAILABLE No saved reply from the device exists.
13838	PLCC_INVALID_POLLING_INTERVAL The entered polling interval value is out of allowed range.
13839	PLCC_GATEWAY_PATH_UNAVAILABLE This error code is returned when the IED responds with exception 10 (Gateway paths not available).
13840	PLCC_GATEWAY_TARGET_FAILED_TO RESPOND This error code is returned when the IED responds with exception 11 (The targeted device failed to respond).

4.4.29 ICC Device Status Codes (IEC60870-5-101/103/104)

13850	ICCC_NO_OPERATOR_CONFIGURED Command mapping to first user with role 'Operator' fails because no configured user has this role. See attribute ZV, index 0, third parameter.
13851	ICCC_INVALID_ATTRIBUTE_VALUE The value set to an attribute of a IEC station is incorrect, for example, one of the elements of the vector written to the SD attribute is out of range.
13852	ICCC_INVALID_INDEX_RANGE The index range used when accessing an attribute of an IEC station is incorrect.
13853	ICCC_INVALID_ATTRIBUTE The STA object attribute used is not valid for IEC 60870-5-101 slave protocol.
13854	ICCC_ASDU_TABLE_NOT_CREATED Internal software error.
13855	ICCC_UNKNOWN_ASDU_NAME The name of the ASDU written to the SD or EV attribute is not supported.
13856	ICCC_ASDU_QUEUE_FULL No more events can be written to one of the queues by using the SD or EV attribute since the queue is full.
13857	ICCC_MESSAGE_BUFFER_FULL Internal software error. The value of ML attribute may be too small.

Table continues on next page

13858	ICCC_MESSAGE_FILLING_ERROR Internal software error. The value of ML attribute may be too small.
13859	ICCC_UNKNOWN_ASDU The number of the ASDU written to the SD or EV attribute is not supported.
13860	ICCC_NO_ACTIVE_COMMAND There is not a preceding command with the address given when confirming a command using the CF attribute. Either the address is incorrect or the command has not been received.
13861	ICCC_INVALID_QUEUE_NUMBER The index of the SD or EV attribute is incorrect.
13862	ICCC_SC_DATA_OVERFLOW Internal software error.
13863	ICCC_DEVICE_SUSPENDED The IEC station is in suspended state. The reason for this could be that the link is not properly established (for example, incorrect cable wiring) or the master station does not respond.
13864	ICCC_MESSAGE_SENDING_ERROR Internal software error. This may be a result of problem in wiring or hardware.
13865	ICCC_REMOTE_DEVICE_REPLY_WITH_NACK The master did not accept the message but responded with negative acknowledgement instead. Not used in unbalanced mode.
13866	ICCC_LINK_NOT_READY A message is sent to a line with a non-established communication.
13867	ICCC_CONFIRMATION_OF_CMD_IS_NOT_READY
13868	ICCC_OUT_OF_BUFFERS Internal software error. Operation could not be completed since the buffer pool has ran out of buffers.
13869	ICCC_DONT_REPLY Internal software error.
13870	ICCC_CONFIRMATION_TIMEOUT An activation confirmation to a command was not received from the IEC slave in the time defined by the RT attribute.
13871	ICCC_NEGATIVE_CONFIRMATION The activation confirmation received from the IEC slave was negative, i.e. the command failed.
13872	ICCC_DEVICE_STOPPED The station has been set out of use using the IU attribute.
13873	ICCC_NO_ADDRESS_IN_ACP Internal software error.
13874	ICCC_UNEXPECTED_OV_VALUE
13875	ICCC_UNEXPECTED_TYPE_IN_ACP Internal software error.
13876	ICCC_UNSUPPORTED_COMMAND_TYPE The value of the TY attribute written to an output process object is not a type id of a supported ASDU.
13877	ICCC_OV_VALUE_NOT_FOUND OV attribute is missing from the list written to an output process object.
13878	ICCC_OG_VALUE_NOT_FOUND
13879	ICCC_QL_VALUE_NOT_FOUND QL attribute is missing from the list written to an output process object.
13880	ICCC_TY_VALUE_NOT_FOUND TY attribute is missing from the list written to an output process object.
13881	ICCC_DEVICE_STARTED The station has been set to use by using the IU attribute.

Table continues on next page

13882	ICCC_NO_WRITE_WHEN_LINE_IN_USE The attribute writing is not allowed when the line is in use.
13883	ICCC_FILETRANSFER_ALREADY_IN_PROGRESS File transfer session is already active and another session is tried to initiate from SCIL.
13884	ICCC_FILETRANSFER_FILELIMIT_EXCEEDED Maximum amount of defined files or subdirectories has been exceeded.
13885	ICCC_FILETRANSFER_SERVICE_NOT_AVAILABLE Internal allocation of the file transfer system has failed.
13886	ICCC_FILETRANSFER_FILE_ALREADY_DEFINED Given file is already defined.
13887	ICCC_FILETRANSFER_NO SUCH FILE
13888	ICCC_BROADCAST_NOT_SUPPORTED Sending of the broadcast time synchronization is not possible in IEC104.
13889	ICCC_DATA_WRITE_STATUS_CHANGES_TO_OK The status changed from error status to OK_STATUS, should be interpreted as OK_STATUS. This status is returned only if the data write errors to a slave station are filtered by using the attribute SF.
13890	ICCC_ATTRIBUTE_SETTING_NOT_POSSIBLE The setting of the attribute is not possible.
13891	ICCC_USER_AUTHENTICATION_NOT_INITIALIZED The user which has issued the command has not been authenticated by the remote device. The reason for this could be a mismatch in the update keys, mac algorithms or in the key lengths.
13892	ICCC_ATTRIBUTE_SETTING_PROHIBITED The setting of the attribute is prohibited by a setting in the key storage file. Contact the administrator of the key storage file.
13893	ICCC_NO_KEYSTORAGE_FILE_DEFINED The key storage file has not been defined with the KS attribute of the NET node.
13894	ICCC_NO_MATCHING_ID_IN_KEYSTORAGE The ZT attribute of the STA object does not match with any of the station id values in the key storage file.
13895	ICCC_NO_KEYSTORAGE_ID_DEFINED The ZT attribute has not been defined.
13896	ICCC_PREDEFINED_USER Not used at the moment.
13897	ICCC_USER_ALREADY_DEFINED Not used at the moment.
13898	ICCC_INTERNAL_ERROR Internal software error. Data structures are inconsistent.
13899	ICCC_UNKNOWN_USER The given user number or name has not been defined for the station in key storage file.

4.4.30 DNP Device Status Codes (DNP 3.0)

13901	DNPC_INVALID_ATTRIBUTE_VALUE The value set to an attribute of a DNP station is out of range.
13902	DNPC_INVALID_INDEX_RANGE The index range used when accessing an attribute of a DNP station is incorrect.
13903	DNPC_INVALID_ATTRIBUTE The STA object attribute used is not valid for DNP V3.00 slave protocol.
13904	DNPC_EVENT_QUEUE_FULL No more events can be written to one of the unsolicited message queues using the EV attribute since the queue is full.
13905	DNPC_MESSAGE_BUFFER_FULL Internal software error.
13906	DNPC_MESSAGE_FILLING_ERROR Internal software error.
13907	DNPC_UNKNOWN_OBJECT_TYPE The data object type used with the SD or EV attributes is not supported.
13909	DNPC_SC_DATA_OVERFLOW Internal software error.
13910	DNPC_DEVICE_SUSPENDED The DNP station is in suspended state. The reason for this could be that the link is not properly established (for example, incorrect cable wiring) or the master station does not respond.
13911	DNPC_MESSAGE_SENDING_ERROR Internal software error. Device status is set to this value if the message handling has failed. The sending may fail due to, for example, an error in the physical communication link.
13912	DNPC_REMOTE_DEVICE_REPLIES_WITH_NACK The DNP slave station responses with a negative acknowledgement.
13913	DNPC_LINE_NOT_READY A command is sent to a line with a non-established communication.
13914	DNPC_OUT_OF_BUFFERS Internal software error.
13915	DNPC_RESPONSE_TIMEOUT No application layer response was received with specified timeout.
13916	DNPC_CONFIRMATION_TIMEOUT The time determined by the RT attribute (first APDU) or RT+AT attributes (last APDU) has expired while waiting for a response from the slave.
13918	DNPC_DEVICE_STOPPED The station has been set out of use using the IU attribute.
13919	DNPC_DEVICE_STARTED The station has been set to use using the IU attribute.
13920	DNPC_UNEXPECTED_OV_VALUE The value set to the OV attribute of an output process object is not valid.
13921	DNPC_ERROR_IN_ACP Internal software error.
13924	DNPC_NET_BUFFER_ERROR Internal software error.
13925	DNPC_NO_ACTIVE_COMMAND There is not a preceding command with the address given when confirming a command using the CF attribute. Either the address is incorrect or the command has not been received.
13926	DNPC_INTERNAL_ERROR Internal software error.

Table continues on next page

13927	DNPC_LINK_LINE_DOES_NOT_EXIST The line to which the DNP station is created is incorrect (not a DNP line).
13928	DNPC_NOT_ENOUGH_ITEMS The vector, that is written to SD or EV attribute does not have correct number of elements.
13929	DNPC_INVALID_EVENT_CLASS The index of the SD or EV attribute is incorrect.
13930	DNPC_POINT_NOT_INITIALIZED_WHILE_DI_0 Data is written to a data point which has not been initialised using the SD attribute while the DI attribute is set to 0.
13931	DNPC_UNKNOWN_CONTROL_BLOCK The CODE item of a received control block message is unknown.
13934	DNPC_UNEXPECTED_TYPE_IN_SUBITEM Internal software error.
13935	DNPC_UNSUPPORTED_OV_TYPE The data type of the OV subitem is not supported by the requested function.
13936	DNPC_APDU_SCAN_ERROR Internal software error.
13937	DNPC_UNKNOWN_VARIATION The variation received from the slave is not supported.
13938	DNPC_ACP_MESSAGE_FULL Internal use only.
13939	DNPC_UNKNOWN_QUALIFIER Internal use only.
13940	DNPC_ALLOCATION_FAILED Internal software error.
13941	DNPC_BACKGROUND_POLL_ACTIVE A command was issued while the DNP master station was waiting for a response to a data poll request.
13942	DNPC_PREVIOUS_CMD_STILL_ACTIVE A command was issued while the DNP master station was waiting for a response to the previous command.
13943	DNPC_POLL_NOT_DEFINED A poll has not been defined for the index used when reading the SD attribute.
13944	DNPC_ANOTHER_COMMAND_ALREADY_PENDING This status is returned when one command from SCIL is already waiting to be sent (MT-timer is on) and user issues a new command from SCIL. This situation is possible only when parallel execution of SCIL procedures is possible.
13945	DNPC_BROADCAST_NOT_ALLOWED This status is returned if a broadcast operation is requested from SCIL and it is not possible with the requested command.
13946	DNPC_UNKNOWN_USER The given user number or name has not been defined for the station in keystore file.
13947	DNPC_ATTRIBUTE_SETTING_NOT_POSSIBLE The setting of the attribute is not possible.
13948	DNPC_USER_AUTHENTICATION_NOT_INITIALIZED The user which has issued the command has not been authenticated by the remote device. The reason for this could be a mismatch in the update keys, mac algorithms or in the key lengths.
13949	DNPC_ATTRIBUTE_SETTING_PROHIBITED The setting of the attribute is prohibited by a setting in the keystore file. Contact the administrator of the keystore file.
13950	DNPC_NO_KEYSTORAGE_FILE_DEFINED The key storage file has not been defined with the KS attribute of the NET node.

Table continues on next page

13951	DNPC_NO_MATCHING_ID_IN_KEYSTORAGE The ZT attribute of the STA object does not match with any of the station id values in the keystore file.
13952	DNPC_NO_KEYSTORAGE_ID_DEFINED The ZT attribute has not been defined.
13953	DNPC_DATA_WRITE_STATUS_CHANGES_TO_OK The status changed from error status to OK_STATUS, should be interpreted as OK_STATUS. This status is returned only if the data write errors to a slave station are filtered by using the attribute SF.
13954	DNPC_TOO_MANY_PARAMETERS An attribute reference from SCIL contains too many parameters.
13955	DNPC_NO_SINGLEUSER_CONFIGURED Command mapping to first user with role 'Singleuser' fails because no configured user has this role. See attribute ZV, index 0, third parameter.
13956	DNPC_NO_OPERATOR_CONFIGURED Command mapping to first user with role 'Operator' fails because no configured user has this role. See attribute ZV, index 0, third parameter.

4.4.31 NET Network Layer Status Codes

14001	NETW_APPLICATION_PROCESS_DOES_NOT_EXIST
14002	NETW_ATTRIBUTE_ACCESS_RIGHT_VIOLATION The user has tried to set an attribute that can be read only, or read an attribute that can be set only.
14003	NETW_ATTRIBUTE_INDEX_RANGE_ERROR
14004	NETW_DESTINATION_DEVICE_IN_USE While a device is in use (IU = 1) it cannot be deleted on-line.
14005	NETW_DESTINATION_DEVICE_NOT_IN_USE While the device is out of use, it is not possible to communicate with it.
14006	NETW_DESTINATION_LINE_NOT_IN_USE
14007	NETW_INVALID_AB_MESSAGE_LENGTH
14009	NETW_INVALID_SC_FUNCTION_VALUE
14010	NETW_INVALID_SC_FUNCTION_VALUE_FOR_REPLY
14012	NETW_LINK_PROCESS_DOES_NOT_EXIST
14013	NETW_LOGICAL_NAME_TRANSLATION_ERROR
14014	NETW_LOGICAL_NAME_WITHOUT_TRANSLATION
14015	NETW_NET_PROCESS_DOES_NOT_EXIST
14016	NETW_UNKNOWN_DESTINATION_DEVICE
14017	NETW_UNKNOWN_DESTINATION_LINE
14018	NETW_UNKNOWN_DEVICE_ATTRIBUTE
14019	NETW_UNKNOWN_LOGICAL_NAME
14020	NETW_UNKNOWN_PHYSICAL_NAME
14024	NETW_DEVICE_DOES_NOT_EXIST
14025	NETW_DEVICE_IN_USE_CANT_BE_DELETED
14026	NETW_ERROR_IN_MESSAGE_DATA_STRUCTURE
14029	NETW_INDEX_RANGE_NOT_ALLOWED

Table continues on next page

14030	NETW_LINE_MUST_BE_STOPPED_FIRST The operation demands that the line is taken out of use first (IU=0).
14031	NETW_MAX_PHYSICAL_BPO_NUMBER_EXCEEDED
14032	NETW_MAX_PHYSICAL_SID_NUMBER_EXCEEDED
14033	NETW_MAX_PHYSICAL_PAC_NUMBER_EXCEEDED
14034	NETW_MAX_PHYSICAL_SAT_NUMBER_EXCEEDED
14037	NETW_UNACCEPTABLE_CHARACTER_ITEM
14038	NETW_UNACCEPTABLE_LOGICAL_NAME_FORMAT
14040	NETW_MAX_PHYSICAL_MON_NUMBER_EXCEEDED
14041	NETW_MAX_PHYSICAL_SYS_NUMBER_EXCEEDED
14042	NETW_MAX_PHYSICAL_STA_NUMBER_EXCEEDED
14043	NETW_MAX_PHYSICAL_PRI_NUMBER_EXCEEDED
14044	NETW_INVALID_STATION_ADDRESS
14045	NETW_MESSAGE_BUFFER_OVERFLOW
14046	NETW_LINE_NUMBER_OUT_OF_RANGE
14047	NETW_LINE_DOES_NOT_EXIST
14048	NETW_DEVICE_TYPES_CANT_BE_MIXED
14049	NETW_ROUTING_INFO_MISSING
14050	NETW_UNKNOWN_SOURCE_DEVICE
14051	NETW_SOURCE_DEVICE_NOT_IN_USE
14052	NETW_WRONG_DESTINATION_TYPE
14053	NETW_UNWAITED_REPLY
14054	NETW_INVALID_DEVICE_TYPE
14055	NETW_OUT_OF_MEMORY The free memory in NET is not enough for the execution of the desired operation.
14056	NETW_FUNCTION_NOT_IMPLEMENTED
14057	NETW_INVALID_LOGICAL_NAME_TRANSLATION
14058	NETW_UNKNOWN_LOGICAL_NAME_TRANSLATION
14059	NETW_INVALID_LOGICAL_NAME
14060	NETW_INVALID_LOGICAL_NAME_RANGE
14061	NETW_NAME_IS_PHYSICAL
14062	NETW_LOGICAL_NAME_ALREADY_RESERVED
14063	NETW_UNKNOWN_DEVICE_TYPE
14064	NETW_DEVICE_ALREADY_EXISTS
14065	NETW_LDS_TRANSLATION_LIMIT_EXCEEDED The message has been routed forwards in the NET network as many times as defined for maximum by the TL attribute. The message is no more sent to the object device. An answer message with this error code is sent to the message sender.
14066	NETW_LINK_ACE_PROCESS_DOES_NOT_EXIST The line has not an autocaller process.
14067	NETW_DESTINATION_LINE_IN_USE The destination line is in use and therefore its attributes may not be updated.
14068	NETW_LINE_IS_NOT_AN_ACE_LINE
14069	NETW_NO_CONNECTION_ON_ACE_LINE
14070	NETW_MAX_PHYSICAL_NET_NUMBER_EXCEEDED
14071	NETW_INVALID_PHYSICAL_DEVICE_NUMBER

Table continues on next page

14072	NETW_MAX_PHYSICAL_RTU_NUMBER_EXCEEDED
14073	NETW_MAX_PHYSICAL_PCL_NUMBER_EXCEEDED
14074	NETW_MAX_PHYSICAL_SIN_NUMBER_EXCEEDED
14075	NETW_TC_TELEGRAM_TYPE_UNDEFINED
14076	NETW_TRANSLATION_LOOP_NOT_ALLOWED
14077	NETW_PROCESS_TABLE_FULL
14078	NETW_MAX_PHYSICAL_LCU_NUMBER_EXCEEDED
14079	NETW_MAX_PHYSICAL_ADE_NUMBER_EXCEEDED
14080	NETW_MAX_PHYSICAL_SPA_NUMBER_EXCEEDED
14081	NETW_MAX_PHYSICAL_EDEV_NUMBER_EXCEEDED
14082	NETW_INVALID_DV_ATTRIBUTE_INDEX
14083	NETW_MAX_PHYSICAL_SPI_NUMBER_EXCEEDED
14084	NETW_NODE_REFERENCED_CANT_BE_DELETED
14085	NETW_LINE_IS_FULL
14086	NETW_INVALID_DEVICE_TYPE_FOR_THIS_LINE
14087	NETW_MAX_PHYSICAL_REX_NUMBER_EXCEEDED
14088	NETW_MAX_PHYSICAL_LMK_NUMBER_EXCEEDED

4.4.32 ICCP Status Codes (IEC 60870-6)

14200	ICCP_DEV_REPLY_ERROR Incorrect reply to a request in client.
14205	ICCP_STATION_SUSPENDED No connection to remote system.
14206	ICCP_DEV_CONFIRMATION_FAILED Confirmation of a command failed. There are no commands waiting for confirmation with given CF parameters or CF writing occurred too late.
14207	ICCP_MORE_ARGUMENTS_EXPECTED Wrong number of parameter in attribute write, for example, in STAn:SDV writing.
14208	ICCP_OBJNAME_NOT_FOUND Referred object cannot be found from internal database.
14210	ICCP_DATA_CHANGE_LOST The new event was not possible to add to event queue because queue is full.
14212	ICCP_DATA_CHANGE_FAILED Updated data change failed.
14214	ICCP_NO_REPLY_FROM_REMOTE Remote system did not respond within specified timeout.
14215	ICCP_XREF_TABLE_NOT_FOUND The file xxx_S.ini containing the object cross-reference information is not found.
14219	ICCP_ATTRIBUTE_NOT_FOUND Accessed attribute not supported.
14220	ICCP_OUT_OF_BUFFERS Internal error, all buffers allocated.
14221	ICCP_INVALID_ATTRIBUTE_VALUE Given value to an attribute is invalid.
14222	ICCP_INVALID_ATTRIBUTE_VALUE_PAR1 First value in the given vector is invalid.

Table continues on next page

14223	ICCP_INVALID_ATTRIBUTE_VALUE_PAR2 Second value in the given vector is invalid.
14224	ICCP_INVALID_ATTRIBUTE_VALUE_PAR3 Third value in the given vector is invalid.
14225	ICCP_INVALID_ATTRIBUTE_VALUE_PAR4 Fourth value in the given vector is invalid.
14226	ICCP_INVALID_ATTRIBUTE_VALUE_PAR5 Fifth value in the given vector is invalid.
14227	ICCP_ASSOC_NOT_FOUND Accessed association not found.
14228	ICCP_ALL_ASSOCS_ARE_SUSPENDED All associations are detected to be suspended.
14229	ICCP_OBJECT_NOT_FOUND_LCC Object has not been found from local database; identifier is not matching to any object.
14230	ICCP_OBJECT_NOT_FOUND_RCC Remote system responds that the specified object is not found.
14231	ICCP_OBJECT_ACCESS_DENIED_RCC Object access is denied by remote system. Object is found but requested operation is denied.
14232	ICCP_OBJECT_HWFAULT_RCC Remote system cannot do requested operation by hw-reason.
14233	ICCP_OBJECT_TEMP_UNAVAILABLE_RCC Remote device state disables requested operation. For example, execute without select or operation denied by tag.
14234	ICCP_OBJECT_UNDEF_RESP_RCC Undefined MMS error in control operation.
14235	ICCP_OBJECT_RESPONSE_TIMEOUT No response to operation.
14236	ICCP_DATA_CONVERSION_FAILED Command sending failed due to mismatch in data types.
14240	ICCP_DEVICE_STOPPED Station object is out of use. See Station attribute IU (In Use).
14241	ICCP_DEVICE_STARTED The station has been set into use by using the IU attribute.
14242	ICCP_SENDING_OF_IM_MESSAGE_FAILED Sending of the information message has failed.
14243	ICCP_TOO_LONG_IM_MESSAGE Given information message is too long for transmission. Message length exceeds the length reserved for the Info Reference type.
14244	ICCP_CONFIGURATION_ERROR Configuration error in XML file, defined remote system yet found.
14245	ICCP_CONF_ERROR_REMOTE_NOT_FOUND Defined remote system not found.
14246	ICCP_SOME_ASSOC_NOT_ACTIVE Some of the associations are detected to be suspended.
14247	ICCP_THIS_ASSOC_IS_SUSPENDED Association which is accessed is suspended.
14248	ICCP_VALID_ONLY_FOR_CLIENT Accessed attribute is not supported while operating as server.
14249	ICCP_DSTS_ACK_LATE Communication error for critical data for Data Set Transfer Set which is set to critical. No ack received to critical data report block. Client has probably not received all data changes (of server of this dataset).

Table continues on next page

14250	ICCP_DSTS_NACK_RESPONSE Critical data (Data Set Transfer Set what is set to critical) communication error, client does not accept critical data report block sent by server.
14253	ICCP_LINE_INITIAL_STATUS Line status in startup.
14254	ICCP_LINE_STARTTED Line object is taken into use.
14255	ICCP_LINE_STOPPED Line object is out of use. See Line attribute IU (In Use).
14256	ICCP_DLY_REPLY_QUEUE_OVERFLOW Communication error, too many device commands or critical data report blocks sent without reply.
14257	ICCP_PARALLEL_COMMANDS_NOT_ACCEPTED Sending a command is not possible while another command is pending.
14258	ICCP_DLY_REPLY_QUEUE_ERROR Internal error.
14259	ICCP_RECEIVED_COMMAND_ERROR Processing a received command failed in server.
14260	ICCP_LINE_MUST_BE_STOPPED_FIRST Attribute access is not possible when line is in use.
14261	ICCP_VALID_ONLY_FOR_SERVER Accessed attribute is not supported while operating as client.
14262	ICCP_INVALID_INDEX Given index in attribute access is invalid.
14263	ICCP_INVALID_CHECKBACKID Sent command is responded with an invalid checkback id.
14264	ICCP_NOT_SUPPORTED_OPERATION Requested operation is not supported in protocol.
14265	ICCP_INVALID_INT_MSG_TYPE Used only internally.
14266	ICCP_DUPLICATE_ICCP_CLI_OBJ_NAME Configuration error, duplicate name in a client object list, in xxx_C.ini file.
14267	ICCP_DUPLICATE_ICCP_CLI_OBJ_OA Configuration error, duplicate object address in a client object list, in xxx_C.ini file.
14268	ICCP_INI_FILE_ERROR Structural error in .ini file, parsing failed.
14269	ICCP_DUPLICATE_ICCP_SRV_OBJ_NAME Configuration error, duplicate name in server object list, in xxx_S.ini file.
14270	ICCP_DUPLICATE_ICCP_SRV_OBJ_OA Configuration error, duplicate object address in server object list, in xxx_S.ini file.
14271	ICCP_XREF_TABLE_EMPTY Object list is empty, no data objects defined.

4.4.33 IEC6 Status codes (IEC61850 Server)

14300	IEC6_ATTRIBUTE_NOT_FOUND
14301	IEC6_INVALID_NUMBER_OF_ITEMS Wrong number of parameter in attribute write, for example, in STAn:SDV writing.
14302	IEC6_ASDU_DOES_NOT_MATCH_TO_ATTRIBUTE Type of object in local database which is addressed by Identifier is not valid for requested operation.
14303	IEC6_NOT_IMPLEMENTED Node attribute not found

Table continues on next page

14304	IEC6_ISS_SENDING_ERROR Internal error, writing a message to 61850 protocol stack failed.
14305	IEC6_DEVICE_STOPPED Station object is out of use. See Station attribute IU (In Use).
14306	IEC6_LINE_STOPPED Line object is out of use. See Line attribute IU (In Use).
14307	IEC6_CMD_CONVERSION_ERROR Parsing of command failed.
14308	IEC6_MESSAGE_FORMING_ERROR Internal error, creating confirmation to command failed.
14309	IEC6_NO_ACTIVE_COMMAND The command for which the confirmation is requested is not in store. Maybe removed because of a confirmation timeout.
14310	IEC6_INVALID_TIME Value of time is invalid.
14311	IEC6_DUPLICATE_CLI_OBJ_OA Internal error, duplicate name in a client object list
14312	IEC6_DUPLICATE_SRV_OBJ_OA Internal error, duplicate name in a server object list
14313	IEC6_WRONG_DIRECTION_OF_OBJECT Not used at the moment.
14314	IEC6_OBJECT_NOT_FOUND Object not found from local database, identifier is not matching to any object.
14315	IEC6_LINE_STARTED Line object is taken into use.
14316	IEC6_LINE_INTERNAL_ERROR IEC61850 protocol stack is not started.
14317	IEC6_ACP_MESSAGE_FILLING_ERROR Internal error, filling of acp message failed.
14318	IEC6_SUBSTATION_RESET Not used at the moment.
14319	IEC6_STATION_SUSPENDED Not used at the moment.
14320	IEC6_PRIMARY_CONNECTION_BROKEN Not used at the moment.
14321	IEC6_INVALID_ATTRIBUTE_VALUE
14322	IEC6_ATTRIBUTE_IS_READ_ONLY
14323	IEC6_UNKNOWN_IAL_ADDRESS Identifier not found from local database.
14324	IEC6_ISS_CONFIGURATION_ERROR Invalid configuration info from IEC61850 protocol stack.
14325	IEC6_ISS_CFG_FILE_ERROR Invalid cfg file for IEC61850 protocol stack.
14326	IEC6_LINE_INITIAL_STATUS Communication framework started from initial state.
14327	IEC6_DEV_ROLE_IS_NOT_CLIENT Client specific attribute written to server STA object.
14328	IEC6_DEV_ROLE_IS_NOT_SERVER Server specific attribute written to client STA object.
14329	IEC6_LINE_INITIALIZED Communication framework initialization successful
14330	IEC6_ISS_INITIALIZING Initializing of IEC61850 protocol stack

Table continues on next page

14331	IEC6_PACKET_DATA_BUFFER_FULL
14332	IEC6_PACKET_ITEM_INDEX_OVERFLOW
14333	IEC6_PACKET_ITEM_OVERWRITE
14334	IEC6_TOO_LONG_STRING String is too long.
14335	IEC6_PACKET_IS_NOT_READY Not used at the moment.
14336	IEC6_OBJECT_RESPONSE_TIMEOUT Internal error, no reply to command
14337	IEC6_CMD_REPLY_TIMEOUT No reply to command.
14338	IEC6_NEGATIVE_CONFIRMATION_TO_CMD Error reply to command.
14339	IEC6_DEVICE_STARTED Station object is taken into use.

4.4.34 Common NET Link Layer Status Codes

16001	LINK_CTS_LINE_IS_INACTIVE NET does not get Clear To Send signal.
16002	LINK_CTS_LINE_REMAINS_INACTIVE NET does not get Clear To Send signal.
16003	LINK_DCD_LINE_IS_INACTIVE NET does not get Data Carrier Detect.
16004	LINK_DCD_LINE_REMAINS_INACTIVE
16005	LINK_ATTRIBUTE_NOT_YET_IMPLEMENTED
16006	LINK_CN_ATTRIBUTE_NOT_YET_IMPLEMENTED
16007	LINK_CREATION_OF_LINK_PROCESSES_FAILED
16008	LINK_DEVICES_MUST_BE_DELETED_FIRST
16009	LINK_IS_ATTRIBUTE_NOT_YET_IMPLEMENTED
16011	LINK_LINE_ATTRIBUTE_VALUE_OUT_OF_RANGE
16012	LINK_MEMORY_EXCEEDED_FOR_PRIORITY_POOL
16013	LINK_NOT_ENOUGH_MEMORY_FOR_LINE_BUFFERS
16014	LINK_ONLY_RAM_PROTOCOL_ALLOWED_ON_LIN_13
16015	LINK_RAM_PROTOCOL_ALLOWED_ONLY_ON_LIN_13
16016	LINK_REDUNDANCY_REQUIRED_FOR_ANSI_X3
16018	LINK_MEMORY_EXCEEDED_FOR_NORMAL_POOL
16019	LINK_LINE_MUST_FIRST_BE_STOPPED The operation demands that the line is taken out of use (IU = 0).
16020	LINK_ONLY_8_DATA_BITS_ALLOWED
16021	LINK_OPERATION_NOT_ALLOWED_ON_LINE_13
16022	LINK_NOT_ENOUGH_MEMORY There is not enough free memory for this operation.
16023	LINK_LINE_NOT_CREATED
16024	LINK_INVALID_LINE_NUMBER
16025	LINK_STATION_ADDRESS_ALREADY_IN_USE

Table continues on next page

16026	LINK_INVALID_DEV_SA_ATTRIBUTE_VALUE Allowed values for the ANSI station address: In decimal form: 8..63, 72..254 (255 = Broadcast). In octal form: 10..77, 110..376 (377 = Broadcast).
16027	LINK_INDEX_RANGE_ERROR
16028	LINK_NONACCEPTABLE_PHONE_NUMBER
16029	LINK_NO_CONNECTION_OPEN
16030	LINK_CONNECTED_ACE_LINE_CANT_BE_STOPPED A connection is open on the line, and therefore it cannot be stopped.
16031	LINK_DIAL_FAILS_BECAUSE_LINE_NOT_IDLE
16032	LINK_NO_ACE_ON_THIS_LINE
16033	LINK_INVALID_DEV_PA_ATTRIBUTE_VALUE
16034	LINK_LINE_NUMBER_OUT_OF_RANGE
16035	LINK_LINE_DOES_NOT_EXIST
16036	LINK_DEVICE_TYPE_NOT_ALLOWED_ON_LINE
16037	LINK_ONLY_RAM_OR_COM1_PROTOCOL_ON_LIN_13
16038	LINK_RAM_OR_COM1_PROTOCOL_ONLY_ON_LIN_13
16039	LINK_REDUNDANCY_NOT_CONFIGURABLE
16040	LINK_SA_USED_ON_ANOTHER_LINE
16041	LINK_CTS_FAILURE
16042	LINK_ONLY_RM_OR_IL_ALLOWED_ON_LIN_13
16043	LINK_IL_PROTOCOL_ALLOWED_ONLY_ON_LIN_13
16044	LINK_LINE_OPEN_FAIL
16045	LINK_LINE_CLOSE_ABNORMAL
16046	LINK_LINE_ALREADY_RUNNING
16047	LINK_LINE_CONTINUOUSLY_RESERVED
16048	LINE_LINE_ANALYSATOR_INIT_FAILED The initialization of the analysator module failed

4.4.35 ANSI X3.28 Full Duplex Protocol Status Codes (XF)

16101	XFTP_ENQ_LIMIT_EXCEEDED The device did not answer until the ENQ limit was reached. The reason may be e.g. that the transmission speed has been incorrectly defined (differently in NET and the RTU).
16102	XFTP_LINE_STUCKED Clear To Send and Data Carrier Detect are OK, but the messages are not transmitted on the line. The reason may be e.g. that Transmit Data and Receive Data are connected incorrectly.
16103	XFTP_MODEM_LINE_ERROR_DURING_TRANSMISSION
16104	XFTP_MODEM_LINE_ERROR_IN_RESPONSE_WAIT
16105	XFTP_NAK_LIMIT_EXCEEDED
16106	XFTP_LINE_PASSIVATED The connection has been broken.
16107	XFTP_LINE_ACTIVATED_BY_LOCAL The dialling is successful and connection is arising (full duplex).
16108	XFTP_LINE_ACTIVATED_BY_REMOTE NET is answering to the call and connection is arising.
16109	XFTP_LINE_IS_PASSIVE

4.4.36 ANSI X3.28 Half Duplex Protocol Status Codes (XH)

16201	XHCP_CTS_LINE_FAILURE_WHILE_TRANSMITTING The Clear To Send signal changed to inactive during the transmission (on ANSI X3.28/AB Half Duplex protocol).
16202	XHCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
16204	XHCP_DST_STATION_IS_NOT_ON_THIS_LINE
16205	XHCP_TIMEOUT_WHILE_WAITING_ACK The RTU did not answer with ACK until the waiting time (the TI attribute) was up, although the message has been sent again. The reason may be, e.g. that NET does not get Data Carrier Detect signal or that the transmission speed has been defined differently.
16206	XHCP_TIMEOUT_WHILE_WAITING_CTS
16207	XHCP_LINE_PASSIVATED The connection has been broken.
16208	XHCP_LINE_ACTIVATED_BY_LOCAL The dialling is successful and connection is arising (half duplex).
16209	XHCP_LINE_ACTIVATED_BY_REMOTE NET is answering to the call and connection is arising.
16210	XHCP_LINE_IS_PASSIVE
16211	XHCP_TIMEOUT_WHILE_WAITING_PASSIVE_CTS
16212	XHCP_ACTIVE_DCD_PREVENTS_ACK_TX
16213	XHCP_ACTIVE_DCD_PREVENTS_NAK_TX

4.4.37 ADLP80 Slave Protocol Status Codes (AD)

16250	ADCP_CTS_LINE_FAILURE_WHILE_TRANSMITTING
16251	ADCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
16252	ADCP_TIMEOUT_WHILE_WAITING_CTS

4.4.38 ADLP180 Slave Protocol Status Codes (AL)

16270	ALCP_CTS_LINE_FAILURE_WHILE_TRANSMITTING
16271	ALCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
16272	ALCP_TIMEOUT_WHILE_WAITING_CTS

4.4.39 RP570 Slave Protocol Status Codes (RP)

16280	RPCP_CTS_LINE_FAILURE_WHILE_TRANSMITTING
16281	RPCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
16282	RPCP_TIMEOUT_WHILE_WAITING_CTS
16283	RPCP_UNKNOWN_RP_PROTOCOL_MODE An invalid value is given to the PM line attribute.
16284	RPCP_LINE_STOPPED RP570/RP571 slave line is in stopped state.

4.4.40 Common RAM Protocol Status Codes (RM)

16301	RMTP_MESSAGE_RESPONDED_TO_BY_NAK
	1. NET has no free message buffer for the message sent by the base system. This is not an error situation, only an occasional overload situation. A new attempt after a while may succeed. 2. The base system has no free memory for the message sent by NET.
16302	RMTP_TIMEOUT_WHILE_WAITING_ACK Line in NET is raised with one.
16303	RMTP_NET_NOT_RUNNING

4.4.41 Integrated Link Status Codes (IL)

16311	ILTP_MESSAGE_RESPONDED_TO_BY_NAK
16312	ILTP_TIMEOUT_WHILE_WAITING_ACK
16313	ILTP_NET_NOT_RUNNING

4.4.42 LAN Link Status Codes (LN)

16320	LNTP_SENDING_FAILED Internal use only.
16321	LNTP_NO_LOCAL_CONNECTION Line is out of use since local connection has failed.
16325	LNRP_ALLOCATION_FAILED Line is out of use since dynamic data allocation has failed.
16326	LNRP_LISTEN_PORT_USED Line is out of use since the listen socket creation failed.
16327	LNRP_LOCAL_CONNECTION_OK Local connection has been successfully created.

4.4.43 On Line Configuration Errors in NETC Modules

16600	NETC_DATA_OUT_OF_LIMITS_IN_CONFIG_WRITE
16601	NETC_DC_COUNTERS_FOR_NET_NOT_IMPLEMENTED
16602	NETC_DIAGNOSTIC_COUNTER_INDEX_TOO_LARGE
16603	NETC_DIAGNOSTIC_COUNTER_INDEX_TOO_SMALL Does not apply for the VMS operating system.
16604	NETC_ERROR_IN_MESSAGE_DATA_FORMAT
16605	NETC_IU_ALREADY_CLEARED
16606	NETC_IU_ALREADY_SET
16607	NETC_LAST_INDEX_SMALLER_THAN_FIRST
16608	NETC_LINE_DOES_NOT_EXIST
16609	NETC_LINE_NUMBER_OUT_OF_RANGE
16610	NETC_LINE_MUST_BE_STOPPED_FIRST
16611	NETC_MESSAGE_DATA_STRUCTURE_ERROR
16612	NETC_MI_ATTRIBUTE_INDEX_TOO_LARGE
16613	NETC_MI_ATTRIBUTE_INDEX_TOO_SMALL

Table continues on next page

16614	NETC_MS_ATTRIBUTE_VALUE_OUT_OF_RANGE
16615	NETC_NN_EXCEEDS_MAX_PHYSICAL_NET_NUMBER
16616	NETC_NO_APPLICATION_PROCESS_PRESENT
16617	NETC_NO_DATA_ITEMS_IN_MESSAGE
16618	NETC_OLD_PROTOCOL_MUST_BE_RESET_FIRST
16619	NETC_SA_ATTRIBUTE_VALUE_OUT_OF_RANGE
16620	NETC_STATION_ADDRESS_ALREADY_IN_USE
16621	NETC_SUGGESTED_NAME_ALREADY_IN_USE
16622	NETC_SYS_MUST_BE_CONFIGURED_FIRST
16623	NETC_TL_ATTRIBUTE_NOT_YET_IMPLEMENTED
16624	NETC_UNKNOWN_ATTRIBUTE
16625	NETC_ZERO_NOT_ALLOWED_AS_FIRST_INDEX
16626	NETC_ZERO_TRANSLATION_LIMIT_NOT_ALLOWED
16627	NETC_ATTRIBUTE_NOT_YET_IMPLEMENTED
16628	NETC_ERROR_IN_MESSAGE_INDEX_RANGE
16629	NETC_LINE_BUFFER_ATTR_INDEX_TOO_SMALL
16630	NETC_LINE_BUFFER_ATTR_INDEX_TOO_LARGE Does not apply for the VMS operating system.
16631	NETC_INVALID_MA_INDEX
16632	NETC_INVALID_MU_INDEX
16633	NETC_MAIL_UPDATED
16634	NETC_TRANSLATION_LIMIT_TOO_LARGE
16635	NETC_CS_IMPLEMENTED_FOR_XH_PROTOCOL_ONLY
16636	NETC_INVALID_SE_VALUE
16637	NETC_PROGRAM_RESTART_NOT_IMPLEMENTED
16638	NETC_UNDEFINED_NET_CONNECTION
16639	NETC_NET_CONNECTION_NR_OUT_OF_RANGE
16640	NETC_NOT_ATTRIBUTE_OF_CURRENT_PROTOCOL
16641	NETC_MESSAGE_NOT_LEFT_IN_QUEUE
16642	NETC_RETRANSMISSION_ALREADY_ACTIVE
16643	NETC_INVALID_ED_INDEX
16644	NETC_INVALID_TIME
16645	NETC_INVALID_ME_WRITE_COMMAND
16646	NETC_NO_PRIVILEGE_FOR_THIS_OPERATION
16647	NETC_SIGNAL_WRITE_NOT_ALLOWED
16648	NETC_INVALID SG_ATTRIBUTE_VALUE
16649	NETC_SIGNAL_NOT_READABLE
16650	NETC_NOT_IMPLEMENTED_IN_NT
16651	NETC_ANALYSATOR_NOT_INITIALIZED The application accessed to an analysator module which has not been initialized.
16652	NETC_KEYSTORAGE_ALREADY_REGISTERED The setting of the KS attribute is not possible any more since the keystore file is already registered.
16653	NETC_KEYSTORAGE_REGISTRATION_FAILED The registration of the keystore file failed. Check the filename and make sure that the file has been encrypted using a key which has been generated in the same computer.

4.4.44 Auto Dialling Status Codes

16700	ACEP_NO_ANSWER_FROM_ACE The autocaller device does not give an acceptable reply within a certain time in spite of repeated sendings.
16701	ACEP_ERROR_FROM_ACE An ERROR reply has been received from the autocaller.
16702	ACEP_DISCONNECTION_FAILED
16703	ACEP_PHYSICAL_DISCONNECTION_FAILED From the ACE has been received an ERROR reply, an undefined reply or no reply to a connection break command. The ACE process is set into IDLE state.
16704	ACEP_DIALING_FAILED No contact arising, although the dialling may be OK. ACE has answered to the dialling command by the reply NO CARRIER (3), ERROR (4) or with an undefined reply, or the ACE has not answered at all.
16705	ACEP_UNKNOWN_ACE_ATTRIBUTE
16706	ACEP_CONNECTION_LIMIT_NOT_BOOLEAN The CL attribute has been assigned an unallowed value. Allowed values are 0 and 1.
16707	ACEP_ACE_LINE_IN_USE The attributes may not be updated while the line is in use.
16708	ACEP_INVALID_CONNECTION_TIME The CT attribute may not be given a negative value.
16709	ACEP_INVALID_RADIO_WAIT_TIME The RW attribute may not be given a negative value.
16710	ACEP_PULSE_DIAL_NOT_BOOLEAN The PU attribute has been assigned an unallowed value. Allowed values are 0 and 1.
16711	ACEP_INVALID_S_REGISTER_VALUE
16712	ACEC_ZERO_NOT_ALLOWED_AS_FIRST_INDEX
16713	ACEC_S_REGISTER_INDEX_TOO_SMALL
16714	ACEC_S_REGISTER_INDEX_TOO_LARGE The number of the S register is > 12.
16715	ACEC_LINE_NUMBER_OUT_OF_RANGE
16716	ACEC_LAST_INDEX_SMALLER_THAN_FIRST
16717	ACEC_S_REGISTERS_FOR_NET_NOT_IMPLEMENTED
16718	ACEC_LINE_DOES_NOT_EXIST
16719	ACEC_AS_ATTRIBUTE_IS_READ_ONLY
16720	ACEP_LINE_AND_ATTRIBUTES_NOT_INITIALIZED
16721	ACEC_YOU_CANNOT_CHANGE_THE_FIRST_REGISTER
16722	ACEC_ESCAPE_CHAR_NOT_AN_ASCII_CODE
16723	ACEC_YOU_CANNOT_CHANGE_THE_THIRD_REGISTER Unallowed ESCAPE character. Allowed values are the ASCII codes (0 .. 127). The NET programs use the default ("+" = 43), and if this is changed, NET cannot break the connection.
16724	ACEC_YOU_CANNOT_CHANGE_THE_FOURTH_REGISTER
16725	ACEC_YOU_CANNOT_CHANGE_THE_FIFTH_REGISTER
16726	ACEC_DIALING_TONE_WAIT_OUT_OF_RANGE Illegal wait time for the dialling tone. Allowed values are 1 .. 255 seconds (default is 2).
16727	ACEC_CARRIER_WAVE_WAIT_OUT_OF_RANGE Illegal for the carrier wave. Allowed values are 1 .. 255 seconds (default is 30).

Table continues on next page

16728	ACEC_DIALING_DELAY_OUT_OF_RANGE Illegal length of delay caused by the delay character. Allowed values are 1 . . 255 seconds. Default = 2.
16729	ACEC_CARRIER_DETECTION_DELAY_OUT_OF_RANGE
16730	ACEC_BREAK_DOWN_DELAY_OUT_OF_RANGE
16731	ACEC_LENGTH_OF_MARK_AND_SPACE_TONE_NOT_OK
16732	ACEC_ESCAPE_FRAME_DELAY_OUT_OF_RANGE
16733	ACEP_LINE_IDLE
16734	ACEP_INVALID_RADIO_DISCONNECTION_DELAY
16735	ACEP_NO_MODEM_COMMAND_REPLY

4.4.45 COM-1 Protocol Status Codes (CO)

16750	COPC_COM1_ERROR_WHILE_TRANSMITTING
16751	COPC_COM1_ERROR_WHILE_WAITING_ACK
16752	COPC_COM1_ERROR_WHILE RECEIVING ACK
16753	COPC_COM1_ERROR_DURING_COLLISION
16754	COPC_BUFFER_ERROR_DURING_COLLISION
16755	COPC_TOO_MANY_COLLISIONS
16756	COPC_MESSAGE_RESPONDED_TO_BY_NAK
16757	COPC_TIMEOUT_WHILE_TRANSMITTING
16758	COPC_TIMEOUT_WHILE_WAITING_ACK
16759	COPC_TIMEOUT_WHILE RECEIVING ACK

4.4.46 RP570 Master Protocol Status Codes (SR)

16801	SRCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
16802	SRCP_CTS_LINE_FAILURE_WHILE_TRANSMITTING
16803	SRCP_TIMEOUT_WHILE_WAITING_CTS
16804	SRCP_RTU_NOT_ON_THIS_LINE
16805	SRCP_FAILED_TO_DELIVER_RESPONSE
16806	SRCP_REDUNDANCY_ERRORS_IN_RESPONSE
16807	SRCP_RECEIVE_ERRORS_IN_RESPONSE
16808	SRCP_TIMEOUT_WHILE_WAITING_RESPONSE
16809	SRCP_TIMEOUT_WHILE_WAITING_APPL_ACK
16810	SRCP_LINE_PASSIVATED
16811	SRCP_LINE_IS_PASSIVE
16812	SRCP_BUILD_UP_READY
16813	SRCP_LOOP_CONFIGURATION_FAILED
16814	SRCP_READ_NOT_ALLOWED_HERE
16815	SRCP_INVALID_ATTRIBUTE_VALUE
16816	SRCP_ERROR_IN_APPLICATION_QUEUE
16817	SRCP_NEW_CONFIGURATION_MUST_FIRST_BE_LOADED
16818	SRCP_ONLY_START_OF_BUILD_ALLOWED_HERE

Table continues on next page

16819	SRCP_ONLY_STOP_COMMAND_ALLOWED_HERE
16820	SRCP_ONLY_STOP_BREAK_DOWN_ALLOWED_HERE
16821	SRCP_LINE_MUST_BE_IN_LOOP_MODE
16822	SRCP_TRANSMISSION_BLOCKED
16823	SRCP_UNKNOWN_SR_PROTOCOL_MODE
16824	SRCP_NOT_LINE_WITH_SR_PROTOCOL
16825	SRCP_LINE_ACTIVATED_BY_LOCAL
16826	SRCP_LINE_ACTIVATED_BY_REMOTE
16827	SRCP_COMMAND_TO_INOPERABLE_RTU
16828	SRCP_LINE_STOPPED The RP570 master line has been taken out of use by using the IU attribute.

4.4.47 P214 Master Protocol Status Codes (PR)

16851	PRCP_DST_STATION_NOT_ON_THIS_LINE
16852	PRCP_RESPONSE_BUFFER_NOT_READY
16853	PRCP_WAITING_CTS_TIMEOUT
16854	PRCP_CTS_LINE_FAILURE_WHILE_TRANSMITTING
16855	PRCP_ALTERNATING_BIT_ERROR
16856	PRCP_BUFFER_NOT_READY
16857	PRCP_CTS_LINE_IS_CONTINUOSLY_INACTIVE
16858	PRCP_REDUNDANCY_ERRORS_IN_RESPONSE
16859	PRCP_RECEIVE_ERRORS_IN_RESPONSE
16860	PRCP_DST_STATION_BLOCKED
16861	PRCP_INVALID_ATTRIBUTE_VALUE

4.4.48 FT1.2 Framing Status Codes (TC)

6901	TCPC_INVALID_ATTRIBUTE_VALUE
------	------------------------------

4.4.49 INSUM Master Protocol Status Codes (IS)

16950	ISCP_ACTIVE_BAG_NOT_FOUND
16951	ISCP_CTS_LINE_FAILURE_WHILE_TRANSMITTING
16952	ISCP_REDUNDANCY_ERRORS_IN_RESPONSE
16953	ISCP_RX_ERRORS_IN_RESPONSE
16954	ISCP_CTS_LINE_IS_CONTINUOSLY_INACTIVE
16955	ISCP_WAITING_CTS_TIMEOUT
16956	ISCP_BUFFER_NOT_READY

4.4.50 COMLI Slave Protocol Status Codes (CL)

17001	CLCP_REPLY_MESSAGE_NOT_ACCEPTED
17002	CLCP_CTS_LINE_FAILURE WHILE TRANSMITTING
17003	CLCP_BUFFER_NOT_READY
17004	CLCP_WAITING_CTS_TIMEOUT

4.4.51 LCU500 Master Protocol Status Codes (LC)

17101	LCCP_LCU_NOT_ON_THIS_LINE
17102	LCCP_CTS_LINE_FAILURE WHILE TRANSMITTING
17103	LCCP_TIMEOUT WHILE WAITING_RESPONSE
17104	LCCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
17105	LCCP_TIMEOUT WHILE WAITING_APPL_ACK
17107	LCCP_TIMEOUT WHILE WAITING_CTS
17108	LCCP_REDUNDANCY_ERRORS_IN_RESPONSE
17109	LCCP_RECEIVE_ERRORS_IN_RESPONSE
17110	LCPC_OUT_OF_MESSAGE_BUFFERS
17111	LCPC_INVALID_ATTRIBUTE_VALUE
17112	LCPC_UNKNOWN_PROTOCOL_MODE
17113	LCPC_NOT_LINE_WITH_LC_PROTOCOL

4.4.52 ADLP180 Master Protocol Status Codes (AM)

17151	AMCP_RTU_NOT_ON_THIS_LINE
17152	AMCP_TIMEOUT WHILE WAITING_CTS
17153	AMCP_CTS_LINE_FAILURE WHILE TRANSMITTING
17154	AMCP_REDUNDANCY_ERRORS_IN_RESPONSE
17155	AMCP_RECEIVE_ERRORS_IN_RESPONSE
17156	AMCP_TIMEOUT WHILE WAITING_RESPONSE
17157	AMCP_TIMEOUT WHILE WAITING_APPL_ACK
17158	AMCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
17159	AMCP_LINE_STOPPED The ADLP180 master line has been taken out of use by using the IU attribute.

4.4.53 SPA Master Protocol Status Codes (SP)

17201	SPCP_TIMEOUT WHILE WAITING_CTS
17202	SPCP_CTS_LINE_FAILURE WHILE TRANSMITTING
17203	SPCP_REDUNDANCY_ERRORS_IN_RESPONSE
17204	SPCP_TIMEOUT WHILE WAITING_RESPONSE
17205	SPCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
17206	SPCP_LINE_IS_PASSIVE
17207	SPCP_LINE_PASSIVATED

Table continues on next page

17208	SPCP_CONNECTION_NOT_ESTABLISHED
17230	SPPC_INVALID_ATTRIBUTE_VALUE
17231	SPPC_ERROR_IN_MESSAGE_DATA_FORMAT
17232	SPPC_INVALID_LINE_NUMBER
17233	SPPC_LINE_DOES_NOT_EXIST

4.4.54 General ASCII Protocol Status Codes (AG)

17251	AGCP_BUFFER_NOT_READY
17252	AGPC_UNKNOWN_ASCII_PROTOCOL_MODE
17253	AGPC_NOT_LINE_WITH_AG_PROTOCOL
17254	AGPC_TELEGRAM_LENGTH_PARAMETER_ERROR
17255	AGPC_TELEGRAM_FRAME_LENGTH_PARAM_ERROR
17256	AGCP_SYNC_RECEIVED
17257	AGCP_SYNC_MESSAGE_REJECTED
17258	AGPC_INVALID_CLOCK_SYNC_FORMAT
17259	AGPC_MASTER_CLOCK_NOT_SYNCHRONIZED
17260	AGCP_NO_MESSAGE RECEIVED

4.4.55 RCOM Master Protocol Status Codes (PC)

17301	PCCP_TIMEOUT WHILE_WAITING_CTS
17302	PCCP_CTS_LINE_FAILURE WHILE_TRANSMITTING
17303	PCCP_REDUNDANCY_ERRORS_IN_RESPONSE
17304	PCCP_TIMEOUT WHILE_WAITING_RESPONSE
17305	PCCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
17306	PCCP_RECEIVE_ERRORS_IN_RESPONSE
17307	PCCP_STATION_NOT_ON_THIS_LINE
17326	PCPC_UNKNOWN_PC_PROTOCOL_MODE
17327	PCPC_NOT_LINE_WITH_PC_PROTOCOL

4.4.56 Westinghouse F4F Slave Protocol Status Codes (WE)

17351	WECP_REPLY_MESSAGE_NOT_ACCEPTED
17352	WECP_CTS_LINE_FAILURE WHILE_TRANSMITTING
17353	WECP_BUFFER_NOT_READY
17354	WECP_WAITING_CTS_TIMEOUT

4.4.57 Alpha Protocol Status Codes (AT)

17401	ATCP_APLHA_CONNECTED
17402	ATCP_SESSION_STOPPED
17403	ATCP_SESSION_ABORTTED
17404	ATCP_BUFFER_NOT_READY

Table continues on next page

17405	ATCP_ERR_REPLY_FROM_ALPHA
17406	ATCP_NO_REPLY_FROM_ALPHA
17407	ATCP_SESSION_READY
17408	ATCP_HANDSHAKING_FAILED
17409	ATCP_LINE_PASSIVATED
17410	ATCP_MODEM_CONNECTED

4.4.58 IEC1107 Protocol Status Codes (IE)

17450	IECP_SESSION_READY
17451	IECP_SESSION_ABORTED
17452	IECP_LINE_PASSIVATED
17453	IECP_BUFFER_NOT_READY
17454	IECP_ERR_REPLY_FROM_DEVICE
17455	IECP_NO_REPLY_FROM_DEVICE
17456	IECP_SESSION_STOPPED
17457	IECP_SESSION_ENDS_TO_CTS_ERROR
17458	IECP_CONNECTION_ESTABLISHED

4.4.59 General PLC/Modbus Protocol Status Codes (PG)

17500	PGCP_TIMEOUT_WHILE_WAITING_CTS
17501	PGCP_CTS_LINE_FAILURE WHILE TRANSMITTING
17502	PGCP_BUFFER_NOT_READY
17503	PGCP_CTS_LINE_IS_CONTINUOUSLY_INACTIVE
17504	PGCP_REDUNDANCY_ERRORS_IN_RESPONSE
17505	PGCP_TIMEOUT_WHILE_WAITING_RESPONSE
17506	PGCP_LINE_PASSIVATED
17507	PGCP_LINE_ACTIVATED_BY_LOCAL
17508	PGCP_LINE_ACTIVATED_BY_REMOTE
17509	PGCP_LINE_IS_PASSIVE
17510	PGCP_CONNECTION_NOT_ESTABLISHED
	Returned to SCIL if no connection exists to the commanded station.
17511	PGCP_LINE_STOPPED
	The line is stopped.
17520	PGPC_ILLEGAL_ATTRIBUTE_VALUE
	The given attribute value is illegal or out of range.

4.4.60 LON Protocol Status Codes (LO)

17550	LOCP_OPEN_FAILED_WITH_INVALID_HANDLE
17551	LOPC_CLOSE_FAILED
17552	LOPC_INVALID_ATTR_VALUE
17553	LOPC_INVALID_ATTR_INDEX
17554	LOPC_INVALID_LINE_NUMBER

Table continues on next page

17555	LOPC_LINE_DOES_NOT_EXIST
17556	LOPC_NV_INDEX_NOT_CONFIGURED
17558	LOCP_OPEN_PENDING System device opening in progress. Used only internally.

4.4.61 IEC60870-5-101/103 Protocol Status Codes (IG)

17600	IGTP_REMOTE_LINK_CONTINUOUSLY_BUSY The Data Flow Control bit of the messages from the master is set for more than 15 seconds.
17601	IGTP_TIMEOUT_WHILE_TRANSMITTING The CTS signal or the end of transmitted message is not received in correct time. The attribute DE controls CTS waiting time, the transmit time of message is automatically calculated.
17602	IGTP_TIMEOUT_WHILE_WAITING_RESPONSE Timeout while waiting for an acknowledgement to a message.
17603	IGTP_LINK_INITIALIZING
17604	IGTP_LINK_NOT_READY The application level sends a command before the communication between the master and the slave is established.
17605	IGTP_REMOTE_LINK_BUSY Data sending fails since the Data Flow Control bit (DFC) is set in remote station and there is already one data message waiting for its reset. Not used in unbalanced slave.
17606	IGTP_REMOTE_LINK_NOT_RESPONDING The slave does not receive a reply from the master.
17607	IGTP_LINE_STARTED The station has been set in use by using the IU attribute.
17608	IGTP_LINE_STOPPED The station has been set out of use by using the IU attribute.
17609	IGTP_MESSAGE RECEIVING_STOPPED
17610	IGTP_RECEIVER_OUT_OF_BUFFERS Internal software error. This error can for example occur in a situation where the station is set out of use but commands are received from the master.
17611	IGTP_LINE_PASSIVATED The autodialling system controls the line. IEC communication is possible not until the line is activated with a call.
17612	IGTP_LINE_ACTIVATED The line is activated by the autodialling system, but the handshaking sequence between master and slave is not yet ready.
17613	IGTP_NACK_RESPONSE The remote station responded with a NACK to a command.
17614	IGTP_LINE_OPERATING_AS_BACKUP Command cannot be sent since the line is configured to operate as backup.
17620	IGPC_ILLEGAL_ATTRIBUTE_VALUE The value written to one of the line attributes is incorrect.

4.4.62 DNP 3.0 Protocol Status Codes (DG)

17650	DGTP_REMOTE_LINK_CONTINUOUSLY_BUSY The Data Flow Control bit of the messages from the master is set for more than 15 seconds.
17651	DGTP_TIMEOUT_WHILE_TRANSMITTING The DCD or CTS signal or the end of transmitted message is not received in correct time. The attribute DE controls CTS waiting time, the attribute TI the message time and DCD waiting time is constant.
17652	DGTP_TIMEOUT_WHILE_WAITING_RESPONSE Timeout while waiting for an acknowledgement to a request.
17654	DGTP_LINK_NOT_READY The application level sends a command before the communication between the master and the slave is established.
17655	DGTP_REMOTE_STATION_BUSY The Data Flow Control bit of the messages from the master is set for too long.
17656	DGTP_REMOTE_STATION_NOT_RESPONDING The slave does not receive a reply from the master.
17657	DGTP_LINE_STARTED The station has been set in use using the IU attribute.
17658	DGTP_LINE_STOPPED The line has been set out of use using the IU attribute.
17659	DGTP_RECEIVER_OUT_OF_BUFFERS Internal software error.
17660	DGTP_LINE_PASSIVATED The autodialling system controls the line. DNP communication is not possible until the line is activated with a call.
17661	DGTP_LINE_ACTIVATED The line is activated by the autodialling system, but the handshaking sequence between master and slave is not ready yet.
17662	DGTP_REMOTE_LINK_RESPONDS_WITH_NACK The remote device responds with secondary function code 1 (= NACK).
17670	DGPC_ILLEGAL_ATTRIBUTE_VALUE The value written to one of the line attributes is incorrect.
17700	DCPC_INVALID_ATTRIBUTE_VALUE The value written to one of the line attributes is of wrong data type.

4.4.63 LAN Link Status Codes (LN)

17750	LNPC_NONACCEPTABLE_HOSTNAME The given hostname is too long.
17751	LNPC_NOT_LINE_WITH_LN_PROTOCOL Hostname configuration impossible since the TCP/IP is has not yet been created.
17752	LNPC_CONFIGURATION_FAILED The starting of the configuration thread failed.

4.4.64 IEC60870-5-104 Protocol Status Codes (IT)

17800	ITCP_REMOTE_HOST_CONTINUOUSLY_BUSY Not used at moment.
17801	ITCP_LINE_INITIALIZING Line status value before the initialization of the TCP interface for the protocol is completed.
17802	ITCP_LINE_INITIALIZATION_FAILED Line status value when the initialization of the TCP interface failed.

Table continues on next page

17803	ITCP_REMOTE_HOST_BUSY Device status is set to this value when the data transfer is disabled due to received 'stopdtxd5 frame.
17804	ITCP_REMOTE_HOST_NOT_RESPONDING Device status is set to this value when the connection to remote host is not established.
17805	ITCP_LINE_NOT_CONNECTED Line status is set to this value when there is no connection to any configured host.
17806	ITCP_LINE_STOPPED Line status value when the line is taken out of use.
17807	ITCP_RECEIVER_OUT_OF_BUFFERS Internal error situation.
17808	ITCP_REMOTE_HOST_NOT_READY Returned to SCIL in case there is no connection to host.
17820	ITPC_ILLEGAL_ATTRIBUTE_VALUE Returned to SCIL when the attribute value given is out of range.

4.4.65 PLC2 Error Codes (biased by 20000)

In case the returned status code is not listed below, it is a device specific value. Subtract the offset value 20000 from the error code and seek the resulting value from the manual of the IED in question.

20000	PLC2_STATUS_BIAS
20002	PLC_DOES_NOT RESPOND
20016	PLC2_INVALID_CMD_OR_FNC_OR_SIZE_BYTE The station does not accept the used data type.
20048	PLC2_PROCESSOR_FAULTY_OR_DISCONNECTED
20064	PLC2_INTERFACE_PROCESSOR_COMM FAILED The communication unit of the PLC does not get contact to the processor of the PLC.
20080	PLC2_ACCESS_DENIED You have tried to write to a station by a protected write command, but there is no corresponding ACCESS RUNG in the PLC program.
20096	PLC2_EXECUTION_PREVENTED_BY_SWITCHES The switch settings of the PLC communication unit prevent the command execution. The reason may be that an unprotected write command has been used, but the switch PHYSICAL/UNPROTECTED WRITE is in DISABLED state.
20112	PLC2_STATION_IN_PROGRAM_MODE
20128	PLC2_STATION_IN_ERROR_SHUTDOWN_MODE
20144	PLC2_INTERFACE_MODULE_OUT_OF_BUF_SPACE
20176	PLC2_STATION_IN_DOWNLOAD_MODE

4.4.66 NET Node Status codes for CPI-applications

These status codes are returned by the node layer of CPI-based protocol implementations of IEC 61850 Server and IEC 60870-6 (ICCP).

30001	NODE_UNKNOWN_APPLICATION_NUMBER Unknown application referred, most probably message is routed to incorrect node.
30002	NODE_UNKNOWN_OBJECT_TYPE Referred object type is unknown for the module.
30003	NODE_UNKNOWN_DEVICE_TYPE Referred device type is unknown for the module.
30005	NODE_DEVICE_NOT_CREATED Referred device number does not exist.
30006	NODE_DEVICE_OUT_OF_RANGE Referred device number is too big. Maximum value is 2047.
30007	NODE_DEVICE_ALREADY_CREATED Referred device is already created.
30008	NODE_LINE_NOT_CREATED Referred line number does not exist.
30009	NODE_LINE_OUT_OF_RANGE Referred line number is too big.
30012	NODE_ATTRIBUTE_NOT_IMPLEMENTED Referred attribute is not supported.
30013	NODE_ATTRIBUTE_VALUE_INVALID Given attribute value is invalid.
30014	NODE_LICENSE_FAILURE No license was found, execution prohibited.

4.4.67 SCA TLS Error Codes

These error codes are related to the Transport Layer Security (TLS). Depending on the station configurations these error codes can be seen in the Notify window or the User Activity Log's Extra Info field. These error codes may be originated from communication lines using DNP 3.0 master or slave protocols.

2000	SCA_ERR_SSL_WANT_READ Wait for the descriptor to become readable and call again.
2001	SCA_ERR_SSL_WANT_WRITE Wait for the descriptor to become writable and call again.
2110	SCA_ERR_BIO_SOCK_INIT_FAILED General socket library initialization failed.
2111	SCA_ERR_THREAD_SETUP_FAILED Mutex creation for OpenSSL operating system abstraction failed.
2112	SCA_ERR_OPENSSL_INIT_FAILED OpenSSL library init failed.
2114	SCA_ERR_SSL_SRV_NEW_FAILED Cannot create a new ssl server connection object from a ssl context.
2115	SCA_ERR_SSL_CONNECTION_CREATION Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2116	SCA_ERR_SBIO_ALLOC Creation of a new socket bio with BIO_new_socket failed.
2117	SCA_ERR_SSL_CLNT_NEW_FAILED Cannot create a new ssl client connection object from a ssl context.
2118	SCA_ERR_CREATE_SSL Creation of ssl connection failed.
2119	SCA_ERR_PARTIAL_WRITE
2120	SCA_ERR_UNSUPPORTED_CONNECTION_TYPE

Table continues on next page

2121	SCA_ERR_CREATE_SSL_SEMAPHORE Creation of synchronization semaphore failed.
2122	SCA_ERR_INVALID_SOCKET
2125	SCA_ERR_SSL_CTX_ALLOC_FAILED Allocation of ssl context failed.
2126	SCA_ERR_UNKNOWN_CERT_FAIL_ACTION Must be one of SCA_SSL_CONTINUE, SCA_SSL_CLOSE.
2127	SCA_ERR_CREATE_DH_PARAMETERS
2128	SCA_ERR_SSL_DYN_CONNECTION_CREATION Ssl dynamic connection creation failed.
2129	SCA_ERR_WAIT_SSL_SEMAPHORE Wait on synchronization semaphore failed.
2130	SCA_ERR_WAIT_CONN_SEMAPHORE Wait on synchronization semaphore failed.
2131	SCA_ERR_WAIT_CONN_CHECK_SEMAPHORE Wait on synchronization semaphore failed.
2132	SCA_ERR_CERT_ERROR_CODE_NOT_FOUND Specific action for the requested certificate error code not possible.
2133	SCA_ERR_CREATE_SESS_SEMAPHORE Creation of synchronization semaphore failed
2134	SCA_ERR_WAIT_SESS_SEMAPHORE Wait on synchronization semaphore failed.
2135	SCA_ERR_SET_SSL_SESSION Failed to set session to ssl connection object.
2136	SCA_ERR_GET_SSL_SESSION Failed to get session from ssl connection object.
2137	SCA_ERR_GET_SSL_CERTIFICATE Failed to get certificate from ssl connection object.
2150	SCA_ERR_NO_PEER_CERT The peer did not send a certificate.
2151	SCA_ERR_PEER_CERT_FAILED Certificate validation failed, connection closed.
2152	SCA_ERR_PEER_CERT_ASK_USER For human-operated SCA-hosts: the host application must provide to the user a way to visually inspect the certificate.
2153	SCA_ERR_PEER_CERT_IPADDRESS Ip-address in peer certificate does not match ip-address of connected peer.
2200	SCA_ERR_EVP_PKEY_ALLOC
2201	SCA_ERR_X509_ALLOC
2202	SCA_ERR_GEN_RSA_KEY Generation of private key failed.
2203	SCA_ERR_ASSIGN_RSA_KEY Assign keyPair to private key structure failed.
2216	SCA_ERR_INVALID_COUNTRY Must be 2 characters long.
2217	SCA_ERR_INVALID_COMMON_NAME Must not be empty.
2218	SCA_ERR_INVALID_COMMAND Must be SCA_CRT_CMD_GENERATE_NEVER,SCA_CRT_CMD_GENERATE_ALWAYS or SCA_CRT_CMD_GENERATE_IF_NOT_FOUND.
2219	SCA_ERR_SET_COUNTRY Set country code into certificate/csr failed.

Table continues on next page

2220	SCA_ERR_SET_ORGANIZATION Set organization into certificate/csr failed.
2221	SCA_ERR_SET_CN Set common name into certificate/csr failed.
2222	SCA_ERR_SET_ISSUER X509_set_issuer_name into certificate failed.
2223	SCA_ERR_SIGN_SELF_SIGNED Signing certificate/csr with sha1 failed.
2224	SCA_ERR_KEY_CERT_FILE_PATH_TOO_LONG Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2226	SCA_ERR_CA_CERTIFICATE_FILE_PATH_TOO_LONG Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2227	SCA_ERR_PRIVATEKEY_PASS_PHRASE_TOO_LONG Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2228	SCA_ERR_GET_CERT_CHAIN_FAILED Read certificate from file failed.
2229	SCA_ERR_GET_KEY_FAILED Read private key from file failed.
2230	SCA_ERR_FOPEN Cannot open a file with BIO_new_file.
2231	SCA_ERR_WRITE_PRIVATE_KEY Write private key to file failed.
2232	SCA_ERR_WRITE_CERTIFICATE Write certificate to file failed.
2233	SCA_ERR_GET_CA_CERT_FAILED No CA certificates available.
2234	SCA_ERR_CERTIFICATE_TIME_CHECK Certificate has expired or certificate not yet valid.
2235	SCA_ERR_CERTIFICATE_KEY_MISMATCH Downloaded certificate and key file do not match.
2236	SCA_ERR_CERTIFICATE_VALIDATION_SETUP_ERROR Setting up certificate chain for validation failed.
2237	SCA_ERR_SET_LOCALITY Set locality code into certificate/csr failed.
2238	SCA_ERR_SET_STATE_PROVINCE Set state_or_province code into certificate/csr failed.
2239	SCA_ERR_SET_ORGANIZATION_UNIT Set organization unit code into certificate/csr failed.
2240	SCA_ERR_CSR_ALLOC Allocate certificate signing request structure failed.
2241	SCA_ERR_SET_SUBJ_NAME Set subject name into certificate signing request structure failed.
2242	SCA_ERR_SET_PUBLIC_KEY Set public key to certificate signing request structure failed.
2243	SCA_ERR_OUT_BUFFER_TOO_SMALL Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2244	SCA_ERR_ENCODE_TO_DER Function to encode/convert object (cert,csr) from C-structure to (binary) to DER format failed.
2245	SCA_ERR_DECODE_FROM_DER Function to decode/convert object (cert,csr) from DER format to internal C-structure failed.
2246	SCA_ERR_MEM_ALLOCATION Generic memory allocation error, e.g. BIOS.

Table continues on next page

2247	SCA_ERR_SET_CHLG_PWD Set challenge password into csr failed.
2248	SCA_ERR_DECODE_KEY_FROM_DER Function to decode/convert key object from DER format to internal C-structure failed.
2249	SCA_ERR_PARSE_PKCS12 PKCS12 parse failed.
2250	SCA_ERR_SET SUBJECT_ALT_NAME Failed to add subject alternate name to certificate/csr.
2251	SCA_ERR_DECODE_FROM_PEM Function to decode/convert object (cert,csr) from PEM format to internal structure failed.
2252	SCA_ERR_WRITE_CRL Write CRL to file failed.
2253	SCA_ERR_SET_DOMAIN_COMPONENT Set domain component into certificate/csr failed.
2254	SCA_ERR_INVALID_ORGANIZATION Should not be empty.
2300	SCA_ERR_UNKNOWN_HMAC_ALGORITHM
2301	SCA_ERR_HMAC_BUFFER_TOO_SMALL Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2302	SCA_ERR_HMAC_CALCULATION The HMAC algorithm failed.
2303	SCA_IEC_ERR_WRONG_HMAC Received hmac does not match calculated hmac.
2310	SCA_ERR_WRAP_BUFFER_TOO_SMALL Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2311	SCA_ERR_WRAP_KEY Wrap algorithm failed.
2315	SCA_ERR_UNWRAP_BUFFER_TOO_SMALL Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2316	SCA_ERR_SET_DECRYPT_KEY Setting kek for unwrapping algorithm failed.
2317	SCA_ERR_UNWRAP_KEY Unwrap algorithm failed.
2318	SCA_ERR_IEC_UNWRAP_AUTH_FAILURE Unwrap status does not match input data.
2319	SCA_ERR_IEC_UNWRAPPED_WRONG_KEY_SIZE Key size from unwrapped data is wrong.
2320	SCA_ERR_UPDATE_KEY_WRONG_SIZE The size of the kek from the file is not correct.
2321	SCA_ERR_UPDATE_KEY_BUFFER_TOO_SMALL Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2322	SCA_ERR_UPDATE_KEY_FILE_NOT_FOUND The key encryption key file(update key) was not found.
2323	SCA_ERR RAND_INSECURE_OUTPUT
2324	SCA_ERR_CREATE_IEC_SEMAPHORE Creation of synchronization semaphore failed.
2330	SCA_ERR_IEC_CONNECTION_CREATION Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2331	SCA_ERR_IEC_UNKNOWN_CONNECTION_USER Connection handle and/or user id is not valid.
2332	SCA_ERR_IEC_CONTROLLING_DIRECTION_REQUIRED The function is reserved for a controlling station.

Table continues on next page

2333	SCA_ERR_IEC_MONITORING_DIRECTION_REQUIRED The function is reserved for a controlled station.
2334	SCA_ERR_IEC_UNKNOWN_KEY_WRAP_ALGORITHM Only valid value is SCA_IEC_AES_128_KEY_WRAP.
2335	SCA_ERR_IEC_INVALID_USER User id 0 not valid.
2336	SCA_ERR_IEC_USER_CREATION Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2337	SCA_ERR_SET_ENCRYPT_KEY Setting kek for wrapping algo failed.
2400	SCA_ERR_HASH_BUFFER_TOO_SMALL Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2401	SCA_ERR_AES_BUFFER_TOO_SMALL Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2410	SCA_ERR_INVALID_ARGUMENT Interface function argument has invalid range.
2411	SCA_ERR_INVALID_TLS_VERSION TLS Version range is invalid.
2412	SCA_ERR_NOT_IMPLEMENTED The requested function is not supported/implemented.
2413	SCA_ERR_MODE_NOT_SUPPORTED The requested mode is not supported/implemented.
2414	SCA_ERR_IEC_WAIT_SEMAPHORE Wait on synchronization semaphore in IEC module failed.
2500	SCA_ERR_STORE_CERT_SEARCH_STRING_TOO_LONG Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2501	SCA_ERR_STORE_CA_CERT_SEARCH_STRING_TOO_LONG Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2502	SCA_ERR_STORE_INVALID_CERT_LOCATION Invalid location type SCA_CERT_STORE_PEM,...
2503	SCA_ERR_STORE_SET_CERT_NOT_SUPPORTED Certificate creation not supported, use SCA_CRT_CMD_GENERATE_NEVER.
2504	SCA_ERR_STORE_OPEN_FAILED Certificate store could not be opened.
2505	SCA_ERR_STORE_CERT_NOT_FOUND Certificate specified in 'DeviceCertificateSearchString' not found in store.
2506	SCA_ERR_STORE_PRIVATE_KEY_NOT_FOUND Matching private key not found in store.
2507	SCA_ERR_STORE_CA_CERT_NOT_FOUND
2508	SCA_ERR_STORE_SET_CERT_TO_OPENSSL_FAILED Cannot set device certificate into OpenSSL store.
2509	SCA_ERR_STORE_SET_PRIV_KEY_TO_OPENSSL_FAILED Possibly key and certificate do not match.
2510	SCA_ERR_STORE_ADD_CA_CERT_TO_OPENSSL_FAILED Possibly the certificate is already in OpenSSL store.
2511	SCA_ERR_STORE_PARSE_CERT_FAILED Conversion from platform store format to OpenSSL format failed.
2512	SCA_ERR_STORE_NOT_WRITABLE The operation cannot be completed because the certificate store is not writable/read-only.
2513	SCA_ERR_STORE_OBJECT_TYPE_NOT_SUPPORTED The cert/key store type cannot handle the requested object.
2514	SCA_ERR_STORE_CREATE_SEMAPHORE Synchronisation semaphore creation failed.

Table continues on next page

2515	SCA_ERR_STORE_MAX_HANDLES_EXCEEDED Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2516	SCA_ERR_STORE_PERSISTENCY_MISSING SCA_CERT_STORE_PEM_GENERIC is chosen as store but no persistency implementation is provided.
2517	SCA_ERR_STORE_NUM_KEYS_CERT_MISMATCH Number of private keys and certificates do not match. Possible reason is that the key could not be loaded due to wrong password.
2518	SCA_ERR_WAIT_STORE_SEMAPHORE Wait on synchronization semaphore failed.
2519	SCA_ERR_STORE_CRL_NOT_FOUND CRL was not found or list end reached.
2550	SCA_ERR_WIN_LOAD_CAPI_ENGINE_FAILED Engine to access CryptoAPI could not be loaded.
2551	SCA_ERR_WIN_INIT_CAPI_ENGINE_FAILED Engine to access CryptoAPI could not be initialized.
2552	SCA_ERR_WIN_ADD_KEY_FAILED Import private key to windows store failed (check log for details)
2553	SCA_ERR_WIN_ADD_CERT_FAILED Import certificate to windows store failed (check log for details)
2554	SCA_ERR_WIN_CREATE_GUID_FAILED Generation of a unique key container name failed
2555	SCA_ERR_WIN_ADD_CRL_FAILED Import CRL to windows store failed (check log for details)
2570	SC_ERR_PERSIST_INVALID_PARAMETER Input parameter not valid.
2571	SC_ERR_PERSIST_INIT Generic failure while initializing persistency.
2572	SC_ERR_PERSIST_FOPEN Open persistency failed (e.g. file not found).
2573	SC_ERR_PERSIST_GET_DATA_SIZE Not possible to determine the size of the persisted data.
2574	SC_ERR_PERSIST_BUFFER_TOO_SMALL Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2575	SC_ERR_PERSIST_DATA_TOO_LARGE Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2576	SC_ERR_PERSIST_LOAD_DATA Internal limitation is reached. Contact a Hitachi ABB Power Grids representative.
2577	SC_ERR_PERSIST_STORE_DATA Generic failure while writing/storing data to persistency.
2578	SC_ERR_PERSIST_TERMINATE Generic failure while terminating persistency.
2600	SCA_ERR_OCSP_RESPONSE_STATUS_SUCCESSFUL RFC 6960: Response has valid confirmations.
2601	SCA_ERR_OCSP_RESPONSE_STATUS_MALFORMEDREQUEST RFC 6960: Illegal confirmation request.
2602	SCA_ERR_OCSP_RESPONSE_STATUS_INTERNALERROR RFC 6960: Internal error in issuer.
2603	SCA_ERR_OCSP_RESPONSE_STATUS_TRYLATER RFC 6960: Try again later.
2605	SCA_ERR_OCSP_RESPONSE_STATUS_SIGREQUIRED RFC 6960: Must sign the request.
2606	SCA_ERR_OCSP_RESPONSE_STATUS_UNAUTHORIZED RFC 6960: Request unauthorized.

Table continues on next page

2610	SCA_ERR_OCSP_UNKNOWN_RESPONSE_STATUS None of the above values was received.
2619	SCA_ERR_OCSP_UNKNOWN_METHOD OCSP method is not one of the SCA_REVOC_CHECK_OCSP_XXX.
2620	SCA_ERR_OCSP_ISSUER_CERT_NOT_FOUND Issuer cert of cert to be verified could not be found neither in local store nor in the tls connection.
2621	SCA_ERR_OCSP_URL_NOT_FOUND OCSP responder url could not be found neither in certificate, nor in config data, nor forced via API.
2622	SCA_ERR_OCSP_URL_PARSE Url format error, e.g. of valid strings: http://127.0.0.1:8888, http://10.140.190.211/ocsp, http://10.140.190.211:80/ocsp.
2623	SCA_ERR_OCSP_CALC_CERT_ID Calculate certificate id failed.
2624	SCA_ERR_OCSP_ADD_CERT_ID_TO_REQ Add certificate id to request failed.
2625	SCA_ERR_OCSP_ADD_NONCE_TO_REQ Add nonce to request failed.
2626	SCA_ERR_OCSP_SIGN_REQ Add signature to request failed.
2630	SCA_ERR_OCSP_CONNECT Generic error when trying to connect to responder, check log for details.
2632	SCA_ERR_OCSP_TIMEOUT Timeout when trying to connect or sending request to responder.
2635	SCA_ERR_OCSP_REQ_CTX Error when creating a request context.
2636	SCA_ERR_OCSP_QUERY Generic error when trying to send request to responder, check log for details.
2637	SCA_ERR_OCSP_QUERY_SEND_REQ OpenSSL failed to send request to responder.
2638	SCA_ERR_OCSP_RSP_GET_BASIC Basic response data could not be retrieved.
2639	SCA_ERR_OCSP_RSP_CHECK_NONCE Nonce check failed, responder sent wrong nonce data.
2640	SCA_ERR_OCSP_RSP_BASIC_VERIFY Response verification failed: ocsp signer cert not available, signature failure, signer cert CA not trusted, other errors.
2641	SCA_ERR_OCSP_RSP_FIND_STATUS Response status could not be retrieved.
2642	SCA_ERR_OCSP_RSP_CHECK_VALIDITY Check if current time is set, check config MaxAgeSecs, ClockSkewSecs. Cert status is available but should be considered unreliable.
2643	SCA_ERR_OCSP_RSP_UNDEFINED_CERT_STATUS Responder sent certificate status other than GOOD, REVOKED or UNKNOWN.
2700	SCA_ERR_GET_PEER_PORT Failed to get port number of peer.

4.5 Operating System Status Codes

4.5.1 Win32 Error Codes

0	ERROR_SUCCESS	The operation completed successfully.
1	ERROR_INVALID_FUNCTION	Incorrect function.
2	ERROR_FILE_NOT_FOUND	The system cannot find the file specified.
3	ERROR_PATH_NOT_FOUND	The system cannot find the path specified.
4	ERROR_TOO_MANY_OPEN_FILES	The system cannot open the file.
5	ERROR_ACCESS_DENIED	Access is denied.
6	ERROR_INVALID_HANDLE	The handle is invalid.
7	ERROR_ARENA_TRASHED	The storage control blocks were destroyed.
8	ERROR_NOT_ENOUGH_MEMORY	Not enough storage is available to process this command.
9	ERROR_INVALID_BLOCK	The storage control block address is invalid.
10	ERROR_BAD_ENVIRONMENT	The environment is incorrect.
11	ERROR_BAD_FORMAT	An attempt was made to load a program with an incorrect format.
12	ERROR_INVALID_ACCESS	The access code is invalid.
13	ERROR_INVALID_DATA	The data is invalid.
14	ERROR_OUTOFMEMORY	Not enough storage is available to complete this operation.
15	ERROR_INVALID_DRIVE	The system cannot find the drive specified.
16	ERROR_CURRENT_DIRECTORY	The directory cannot be removed.
17	ERROR_NOT_SAME_DEVICE	The system cannot move the file to a different disk drive.
18	ERROR_NO_MORE_FILES	There are no more files.
19	ERROR_WRITE_PROTECT	The media is write protected.
20	ERROR_BAD_UNIT	The system cannot find the device specified.
21	ERROR_NOT_READY	The device is not ready.
22	ERROR_BAD_COMMAND	The device does not recognize the command.
23	ERROR_CRC	Data error (cyclic redundancy check).

Table continues on next page

24	ERROR_BAD_LENGTH	The program issued a command but the command length is incorrect.
25	ERROR_SEEK	The drive cannot locate a specific area or track on the disk.
26	ERROR_NOT_DOS_DISK	The specified disk or diskette cannot be accessed.
27	ERROR_SECTOR_NOT_FOUND	The drive cannot find the sector requested.
28	ERROR_OUT_OF_PAPER	The printer is out of paper.
29	ERROR_WRITEFAULT	The system cannot write to the specified device.
30	ERROR_READ_FAULT	The system cannot read from the specified device.
31	ERROR_GEN_FAILURE	A device attached to the system is not functioning.
32	ERROR_SHARING_VIOLATION	The process cannot access the file because it is being used by another process.
33	ERROR_LOCK_VIOLATION	The process cannot access the file because another process has locked a portion of the file.
34	ERROR_WRONG_DISK	The wrong diskette is in the drive. Insert %2 (Volume Serial Number: %3) into drive %1.
36	ERROR_SHARING_BUFFER_EXCEEDED	Too many files opened for sharing.
38	ERROR_HANDLE_EOF	Reached the end of the file.
39	ERROR_HANDLE_DISK_FULL	The disk is full.
50	ERROR_NOT_SUPPORTED	The network request is not supported.
51	ERROR_Rem_NOT_LIST	The remote computer is not available.
52	ERROR_DUP_NAME	A duplicate name exists on the network.
53	ERROR_BAD_NETPATH	The network path was not found.
54	ERROR_NETWORK_BUSY	The network is busy.
55	ERROR_DEV_NOT_EXIST	The specified network resource or device is no longer available.
56	ERROR_TOO_MANY_CMDS	The network BIOS command limit has been reached.
57	ERROR_ADAP_HDW_ERR	A network adapter hardware error occurred.
58	ERROR_BAD_NET_RESP	The specified server cannot perform the requested operation.
59	ERROR_UNEXP_NET_ERR	An unexpected network error occurred.
60	ERROR_BAD_Rem_ADAP	The remote adapter is not compatible.
61	ERROR_PRINTQ_FULL	The printer queue is full.

Table continues on next page

62	ERROR_NO_SPOOL_SPACE Space to store the file waiting to be printed is not available on the server.
63	ERROR_PRINT_CANCELLED The file waiting to be printed was deleted.
64	ERROR_NETNAME_DELETED The specified network name is no longer available.
65	ERROR_NETWORK_ACCESS_DENIED Network access is denied.
66	ERROR_BAD_DEV_TYPE The network resource type is not correct.
67	ERROR_BAD_NET_NAME The network name cannot be found.
68	ERROR_TOO_MANY_NAMES The name limit for the local computer network adapter card was exceeded.
69	ERROR_TOO_MANY_SESS The network BIOS session limit was exceeded.
70	ERROR_SHARING_PAUSED The remote server has been paused or is in the process of being started.
71	ERROR_REQ_NOT_ACCEP No more connections can be made to this remote computer at this time because there are already as many connections as the computer can accept.
72	ERROR_REDIR_PAUSED The specified printer or disk device has been paused.
80	ERROR_FILE_EXISTS The file exists.
82	ERROR_CANNOT_MAKE The directory or file cannot be created.
83	ERROR_FAIL_I24 Fail on INT 24.
84	ERROR_OUT_OF_STRUCTURES Storage to process this request is not available.
85	ERROR_ALREADY_ASSIGNED The local device name is already in use.
86	ERROR_INVALID_PASSWORD The specified network password is not correct.
87	ERROR_INVALID_PARAMETER The parameter is incorrect.
88	ERROR_NET_WRITEFAULT A write fault occurred on the network.
89	ERROR_NO_PROC_SLOTS The system cannot start another process at this time.
100	ERROR_TOO_MANY_SEMAPHORES Cannot create another system semaphore.
101	ERROR_EXCL_SEM_ALREADY_OWNED The exclusive semaphore is owned by another process.
102	ERROR_SEM_IS_SET The semaphore is set and cannot be closed.
103	ERROR_TOO_MANY_SEM_REQUESTS The semaphore cannot be set again.
104	ERROR_INVALID_AT_INTERRUPT_TIME Cannot request exclusive semaphores at interrupt time.
105	ERROR_SEM_OWNER_DIED The previous ownership of this semaphore has ended.

Table continues on next page

106	ERROR_SEM_USER_LIMIT Insert the diskette for drive %1.
107	ERROR_DISK_CHANGE The program stopped because an alternate diskette was not inserted.
108	ERROR_DRIVE_LOCKED The disk is in use or locked by another process.
109	ERROR_BROKEN_PIPE The pipe has been ended.
110	ERROR_OPEN_FAILED The system cannot open the device or file specified.
111	ERROR_BUFFER_OVERFLOW The file name is too long.
112	ERROR_DISK_FULL There is not enough space on the disk.
113	ERROR_NO_MORE_SEARCH_HANDLES No more internal file identifiers available.
114	ERROR_INVALID_TARGET_HANDLE The target internal file identifier is incorrect.
117	ERROR_INVALID_CATEGORY The IOCTL call made by the application program is not correct.
118	ERROR_INVALID_VERIFY_SWITCH The verify-on-write switch parameter value is not correct.
119	ERROR_BAD_DRIVER_LEVEL The system does not support the command requested.
120	ERROR_CALL_NOT_IMPLEMENTED This function is not supported on this system.
121	ERROR_SEM_TIMEOUT The semaphore timeout period has expired.
122	ERROR_INSUFFICIENT_BUFFER The data area passed to a system call is too small.
124	ERROR_INVALID_LEVEL The system call level is not correct.
125	ERROR_NO_VOLUME_LABEL The disk has no volume label.
126	ERROR_MOD_NOT_FOUND The specified module could not be found.
127	ERROR_PROC_NOT_FOUND The specified procedure could not be found.
128	ERROR_WAIT_NO_CHILDREN There are no child processes to wait for.
129	ERROR_CHILD_NOT_COMPLETE The %1 application cannot be run in Win32 mode.
130	ERROR_DIRECT_ACCESS_HANDLE Attempt to use a file handle to an open disk partition for an operation other than raw disk I/O.
131	ERROR_NEGATIVE_SEEK An attempt was made to move the file pointer before the beginning of the file.
132	ERROR_SEEK_ON_DEVICE The file pointer cannot be set on the specified device or file.
133	ERROR_IS_JOIN_TARGET A JOIN or SUBST command cannot be used for a drive that contains previously joined drives.

Table continues on next page

134	ERROR_IS_JOINED An attempt was made to use a JOIN or SUBST command on a drive that has already been joined.
135	ERROR_IS_SUBSTED An attempt was made to use a JOIN or SUBST command on a drive that has already been substituted.
136	ERROR_NOT_JOINED The system tried to delete the JOIN of a drive that is not joined.
137	ERROR_NOT_SUBSTED The system tried to delete the substitution of a drive that is not substituted.
138	ERROR_JOIN_TO_JOIN The system tried to join a drive to a directory on a joined drive.
139	ERROR_SUBST_TO_SUBST The system tried to substitute a drive to a directory on a substituted drive.
140	ERROR_JOIN_TO_SUBST The system tried to join a drive to a directory on a substituted drive.
141	ERROR_SUBST_TO_JOIN The system tried to SUBST a drive to a directory on a joined drive.
142	ERROR_BUSY_DRIVE The system cannot perform a JOIN or SUBST at this time.
143	ERROR_SAME_DRIVE The system cannot join or substitute a drive to or for a directory on the same drive.
144	ERROR_DIR_NOT_ROOT The directory is not a subdirectory of the root directory.
145	ERROR_DIR_NOT_EMPTY The directory is not empty.
146	ERROR_IS_SUBST_PATH The path specified is being used in a substitute.
147	ERROR_IS_JOIN_PATH Not enough resources are available to process this command.
148	ERROR_PATH_BUSY The path specified cannot be used at this time.
149	ERROR_IS_SUBST_TARGET An attempt was made to join or substitute a drive for which a directory on the drive is the target of a previous substitute.
151	ERROR_INVALID_EVENT_COUNT The number of specified semaphore events for DosMuxSemWait is not correct.
152	ERROR_TOO_MANY_MUXWAITERS DosMuxSemWait did not execute, too many semaphores are already set.
153	ERROR_INVALID_LIST_FORMAT The DosMuxSemWait list is not correct.
154	ERROR_LABEL_TOO_LONG The entered volume label exceeds the label character limit of the target file system.
155	ERROR_TOO_MANY_TCBS Cannot create another thread.
156	ERROR_SIGNAL_REFUSED The recipient process has refused the signal.
157	ERROR_DISCARDED The segment is already discarded and cannot be locked.
158	ERROR_NOT_LOCKED The segment is already unlocked.
159	ERROR_BAD_THREADID_ADDR The address for the thread ID is not correct.

Table continues on next page

160	ERROR_BAD_ARGUMENTS The argument string passed to DosExecPgm is not correct.
161	ERROR_BAD_PATHNAME The specified path is invalid.
162	ERROR_SIGNAL_PENDING A signal is already pending.
164	ERROR_MAX_THRDS_REACHED No more threads can be created in the system.
167	ERROR_LOCK_FAILED Unable to lock a region of a file.
170	ERROR_BUSY The requested resource is in use.
173	ERROR_CANCEL_VIOLATION A lock request was not outstanding for the supplied cancel region.
174	ERROR_ATOMIC_LOCKS_NOT_SUPPORTED The file system does not support atomic changes to the lock type.
180	ERROR_INVALID_SEGMENT_NUMBER The system detected a segment number that was not correct.
182	ERROR_INVALID_ORDINAL The operating system cannot run %1.
183	ERROR_ALREADY_EXISTS Cannot create a file when that file already exists.
186	ERROR_INVALID_FLAG_NUMBER The flag passed is not correct.
187	ERROR_SEM_NOT_FOUND The specified system semaphore name was not found.
188	ERROR_INVALID_STARTING_CODESEG The operating system cannot run %1.
189	ERROR_INVALID_STACKSEG The operating system cannot run %1.
190	ERROR_INVALID_MODULETYPE The operating system cannot run %1.
191	ERROR_INVALID_EXE_SIGNATURE Cannot run %1 in Win32 mode.
192	ERROR_EXE_MARKED_INVALID The operating system cannot run %1.
193	ERROR_BAD_EXE_FORMAT %1 is not a valid Win32 application.
194	ERROR_ITERATED_DATA_EXCEEDS_64k The operating system cannot run %1.
195	ERROR_INVALID_MINALLOC_SIZE The operating system cannot run %1.
196	ERROR_DYNLINK_FROM_INVALID_RING The operating system cannot run this application program.
197	ERROR_IOPL_NOT_ENABLED The operating system is not presently configured to run this application.
198	ERROR_INVALID_SEGDPL The operating system cannot run %1.
199	ERROR_AUTODATABASEG_EXCEEDS_64k The operating system cannot run this application program.
200	ERROR_RING2SEG_MUST_BE_MOVABLE The code segment cannot be greater than or equal to 64K.
201	ERROR_RELOC_CHAIN_XEEDS_SEGLIM The operating system cannot run %1.

Table continues on next page

202	ERROR_INFLOOP_IN_RELOC_CHAIN The operating system cannot run %1.
203	ERROR_ENVVAR_NOT_FOUND The system could not find the environment option that was entered.
205	ERROR_NO_SIGNAL_SENT No process in the command subtree has a signal handler.
206	ERROR_FILENAME_EXCED_RANGE The filename or extension is too long.
207	ERROR_RING2_STACK_IN_USE The ring 2 stack is in use.
209	ERROR_INVALID_SIGNAL_NUMBER The signal being posted is not correct.
210	ERROR_THREAD_1_INACTIVE The signal handler cannot be set.
212	ERROR_LOCKED The segment is locked and cannot be reallocated.
214	ERROR_TOO_MANY_MODULES Too many dynamic-link modules are attached to this program or dynamic-link module.
215	ERROR_NESTING_NOT_ALLOWED Cannot nest calls to LoadModule.
230	ERROR_BAD_PIPE The pipe state is invalid.
231	ERROR_PIPE_BUSY All pipe instances are busy.
232	ERROR_NO_DATA The pipe is being closed.
233	ERROR_PIPE_NOT_CONNECTED No process is on the other end of the pipe.
234	ERROR_MORE_DATA More data is available.
240	ERROR_VC_DISCONNECTED The session was canceled.
254	ERROR_INVALID_EA_NAME The specified extended attribute name was invalid.
255	ERROR_EA_LIST_INCONSISTENT The extended attributes are inconsistent.
258	WAIT_TIMEOUT The wait operation timed out.
259	ERROR_NO_MORE_ITEMS No more data is available.
266	ERROR_CANNOT_COPY The copy functions cannot be used.
267	ERROR_DIRECTORY The directory name is invalid.
275	ERROR_EAS_DIDNT_FIT The extended attributes did not fit in the buffer.
276	ERROR_EA_FILE_CORRUPT The extended attribute file on the mounted file system is corrupt.
277	ERROR_EA_TABLE_FULL The extended attribute table file is full.
278	ERROR_INVALID_EA_HANDLE The specified extended attribute handle is invalid.
282	ERROR_EAS_NOT_SUPPORTED The mounted file system does not support extended attributes.

Table continues on next page

288	ERROR_NOT_OWNER
	Attempt to release mutex not owned by caller.
298	ERROR_TOO_MANY_POSTS
	Too many posts were made to a semaphore.
299	ERROR_PARTIAL_COPY
	Only part of a ReadProcessMemory or WriteProcessMemory request was completed.
300	ERROR_OPLOCK_NOT_GRANTED
	The oplock request is denied.
301	ERROR_INVALID_OPLOCK_PROTOCOL
	An invalid oplock acknowledgment was received by the system.
317	ERROR_MR_MID_NOT_FOUND
	The system cannot find message text for message number 0x%1 in the message file for %2.
487	ERROR_INVALID_ADDRESS
	Attempt to access invalid address.
534	ERROR_ARITHMETIC_OVERFLOW
	Arithmetic result exceeded 32 bits.
535	ERROR_PIPE_CONNECTED
	There is a process on other end of the pipe.
536	ERROR_PIPE_LISTENING
	Waiting for a process to open the other end of the pipe.
994	ERROR_EA_ACCESS_DENIED
	Access to the extended attribute was denied.
995	ERROR_OPERATION_ABORTED
	The I/O operation has been aborted because of either a thread exit or an application request.
996	ERROR_IO_INCOMPLETE
	Overlapped I/O event is not in a signaled state.
997	ERROR_IO_PENDING
	Overlapped I/O operation is in progress.
998	ERROR_NOACCESS
	Invalid access to memory location.
999	ERROR_SWAPERROR
	Error performing inpage operation.
1001	ERROR_STACK_OVERFLOW
	Recursion too deep, the stack overflowed.
1002	ERROR_INVALID_MESSAGE
	The window cannot act on the sent message.
1003	ERROR_CAN_NOT_COMPLETE
	Cannot complete this function.
1004	ERROR_INVALID_FLAGS
	Invalid flags.
1005	ERROR_UNRECOGNIZED_VOLUME
	The volume does not contain a recognized file system. Please make sure that all required file system drivers are loaded and that the volume is not corrupted.
1006	ERROR_FILE_INVALID
	The volume for a file has been externally altered so that the opened file is no longer valid.
1007	ERROR_FULLSCREEN_MODE
	The requested operation cannot be performed in full-screen mode.
1008	ERROR_NO_TOKEN
	An attempt was made to reference a token that does not exist.
1009	ERROR_BADDDB
	The configuration registry database is corrupt.

Table continues on next page

1010	ERROR_BADKEY	The configuration registry key is invalid.
1011	ERROR_CANTOPEN	The configuration registry key could not be opened.
1012	ERROR_CANTREAD	The configuration registry key could not be read.
1013	ERROR_CANTWRITE	The configuration registry key could not be written.
1014	ERROR_REGISTRY_RECOVERED	One of the files in the registry database had to be recovered by use of a log or alternate copy. The recovery was successful.
1018	ERROR_KEY_DELETED	Illegal operation attempted on a registry key that has been marked for deletion.
1019	ERROR_NO_LOG_SPACE	System could not allocate the required space in a registry log.
1020	ERROR_KEY_HAS_CHILDREN	Cannot create a symbolic link in a registry key that already has subkeys or values.
1021	ERROR_CHILD_MUST_BE_VOLATILE	Cannot create a stable subkey under a volatile parent key.
1022	ERROR_NOTIFY_ENUM_DIR	A notify change request is being completed and the information is not being returned in the caller's buffer. The caller now needs to enumerate the files to find the changes.
1051	ERROR_DEPENDENT_SERVICES_RUNNING	A stop control has been sent to a service that other running services are dependent on.
1052	ERROR_INVALID_SERVICE_CONTROL	The requested control is not valid for this service.
1053	ERROR_SERVICE_REQUEST_TIMEOUT	The service did not respond to the start or control request in a timely fashion.
1054	ERROR_SERVICE_NO_THREAD	A thread could not be created for the service.
1055	ERROR_SERVICE_DATABASE_LOCKED	The service database is locked.
1056	ERROR_SERVICE_ALREADY_RUNNING	An instance of the service is already running.
1057	ERROR_INVALID_SERVICE_ACCOUNT	The account name is invalid or does not exist.
1059	ERROR_CIRCULAR_DEPENDENCY	Circular service dependency was specified.
1060	ERROR_SERVICE_DOES_NOT_EXIST	The specified service does not exist as an installed service.
1061	ERROR_SERVICE_CANNOT_ACCEPT_CTRL	The service cannot accept control messages at this time.
1062	ERROR_SERVICE_NOT_ACTIVE	The service has not been started.
1063	ERROR_FAILED_SERVICE_CONTROLLER_CONNECT	The service process could not connect to the service controller.
1064	ERROR_EXCEPTION_IN_SERVICE	An exception occurred in the service when handling the control request.
1065	ERROR_DATABASE_DOES_NOT_EXIST	The database specified does not exist.
1066	ERROR_SERVICE_SPECIFIC_ERROR	The service has returned a service-specific error code.
1067	ERROR_PROCESS_ABORTED	The process terminated unexpectedly.

Table continues on next page

1068	ERROR_SERVICE_DEPENDENCY_FAIL The dependency service or group failed to start.
1069	ERROR_SERVICE_LOGON_FAILED The service did not start due to a logon failure.
1071	ERROR_INVALID_SERVICE_LOCK The specified service database lock is invalid.
1072	ERROR_SERVICE_MARKED_FOR_DELETE The specified service has been marked for deletion.
1073	ERROR_SERVICE_EXISTS The specified service already exists.
1074	ERROR_ALREADY_RUNNING_LKG The system is currently running with the last-known-good configuration.
1075	ERROR_SERVICE_DEPENDENCY_DELETED The dependency service does not exist or has been marked for deletion.
1076	ERROR_BOOT_ALREADY_ACCEPTED The current boot has already been accepted for use as the last-known-good control set.
1077	ERROR_SERVICE_NEVER_STARTED No attempts to start the service have been made since the last boot.
1078	ERROR_DUPLICATE_SERVICE_NAME The name is already in use as either a service name or a service display name.
1079	ERROR_DIFFERENT_SERVICE_ACCOUNT The account specified for this service is different from the account specified for other services running in the same process.
1082	ERROR_NO_RECOVERY_PROGRAM No recovery program has been configured for this service.
1083	ERROR_SERVICE_NOT_IN_EXE The executable program that this service is configured to run in does not implement the service.
1100	ERROR_END_OF_MEDIA The physical end of the tape has been reached.
1101	ERROR_FILEMARK_DETECTED A tape access reached a filemark.
1102	ERROR_BEGINNING_OF_MEDIA The beginning of the tape or a partition was encountered.
1103	ERROR_SETMARK_DETECTED A tape access reached the end of a set of files.
1104	ERROR_NO_DATA_DETECTED No more data is on the tape.
1105	ERROR_PARTITION_FAILURE Tape could not be partitioned.
1107	ERROR_DEVICE_NOT_PARTITIONED Tape partition information could not be found when loading a tape.
1108	ERROR_UNABLE_TO_LOCK_MEDIA Unable to lock the media eject mechanism.
1109	ERROR_UNABLE_TO_UNLOAD_MEDIA Unable to unload the media.
1110	ERROR_MEDIA_CHANGED The media in the drive may have changed.
1111	ERROR_BUS_RESET The I/O bus was reset.
1112	ERROR_NO_MEDIA_IN_DRIVE No media in drive.
1113	ERROR_NO_UNICODE_TRANSLATION No mapping for the Unicode character exists in the target multi-byte code page.

Table continues on next page

1114	ERROR_DLL_INIT_FAILED A dynamic link library (DLL) initialization routine failed.
1115	ERROR_SHUTDOWN_IN_PROGRESS A system shutdown is in progress.
1116	ERROR_NO_SHUTDOWN_IN_PROGRESS Unable to abort the system shutdown because no shutdown was in progress.
1117	ERROR_IO_DEVICE The request could not be performed because of an I/O device error.
1118	ERROR_SERIAL_NO_DEVICE No serial device was successfully initialized. The serial driver will unload.
1119	ERROR_IRQ_BUSY Unable to open a device that was sharing an interrupt request (IRQ) with other devices. At least one other device that uses that IRQ was already opened.
1120	ERROR_MORE_WRITES A serial I/O operation was completed by another write to the serial port. (The IOCTL_SERIAL_XOFF_COUNTER reached zero.)
1121	ERROR_COUNTER_TIMEOUT A serial I/O operation completed because the timeout period expired. (The IOCTL_SERIAL_XOFF_COUNTER did not reach zero.)
1122	ERROR_FLOPPY_ID_MARK_NOT_FOUND No ID address mark was found on the floppy disk.
1123	ERROR_FLOPPY_WRONG_CYLINDER Mismatch between the floppy disk sector ID field and the floppy disk controller track address.
1124	ERROR_FLOPPY_UNKNOWN_ERROR The floppy disk controller reported an error that is not recognized by the floppy disk driver.
1125	ERROR_FLOPPY_BAD_REGISTERS The floppy disk controller returned inconsistent results in its registers.
1129	ERROR_EOM_OVERFLOW Physical end of tape encountered.
1130	ERROR_NOT_ENOUGH_SERVER_MEMORY Not enough server storage is available to process this command.
1131	ERROR_POSSIBLE_DEADLOCK A potential deadlock condition has been detected.
1132	ERROR_MAPPED_ALIGNMENT The base address or the file offset specified does not have the proper alignment.
1140	ERROR_SET_POWER_STATE_VETOED An attempt to change the system power state was vetoed by another application or driver.
1141	ERROR_SET_POWER_STATE_FAILED The system BIOS failed an attempt to change the system power state.
1142	ERROR_TOO_MANY_LINKS An attempt was made to create more links on a file than the file system supports.
1150	ERROR_OLD_WIN_VERSION The specified program requires a newer version of Windows.
1151	ERROR_APP_WRONG_OS The specified program is not a Windows or MS-DOS program.
1152	ERROR_SINGLE_INSTANCE_APP Cannot start more than one instance of the specified program.
1153	ERROR_RMODE_APP The specified program was written for an earlier version of Windows.
1154	ERROR_INVALID_DLL One of the library files needed to run this application is damaged.

Table continues on next page

1155	ERROR_NO_ASSOCIATION No application is associated with the specified file for this operation.
1156	ERROR_DDE_FAIL An error occurred in sending the command to the application.
1157	ERROR_DLL_NOT_FOUND One of the library files needed to run this application cannot be found.
1158	ERROR_NO_MORE_USER_HANDLES The current process has used all of its system allowance of handles for Window Manager objects.
1159	ERROR_MESSAGE_SYNC_ONLY The message can be used only with synchronous operations.
1160	ERROR_SOURCE_ELEMENT_EMPTY The indicated source element has no media.
1161	ERROR_DESTINATION_ELEMENT_FULL The indicated destination element already contains media.
1162	ERROR_ILLEGAL_ELEMENT_ADDRESS The indicated element does not exist.
1163	ERROR_MAGAZINE_NOT_PRESENT The indicated element is part of a magazine that is not present.
1164	ERROR_DEVICE_REINITIALIZATION_NEEDED The indicated device requires reinitialization due to hardware errors.
1165	ERROR_DEVICEQUIRES_CLEANING The device has indicated that cleaning is required before further operations are attempted.
1166	ERROR_DEVICE_DOOR_OPEN The device has indicated that its door is open.
1167	ERROR_DEVICE_NOT_CONNECTED The device is not connected.
1168	ERROR_NOT_FOUND Element not found.
1169	ERROR_NO_MATCH There was no match for the specified key in the index.
1170	ERROR_SET_NOT_FOUND The property set specified does not exist on the object.
1171	ERROR_POINT_NOT_FOUND The point passed to GetMouseMovePointsEx is not in the buffer.
1172	ERROR_NO_TRACKING_SERVICE The tracking (workstation) service is not running.
1173	ERROR_NO_VOLUME_ID The Volume ID could not be found.
1174	ERROR_INVALID_VLM_OPERATION The specified Very Large Memory (64-bit) operation is invalid.
1175	ERROR_UNABLE_TO_REMOVE_REPLACED Unable to remove the file to be replaced.
1176	ERROR_UNABLE_TO_MOVE REPLACEMENT Unable to move the replacement file to the file to be replaced. The file to be replaced has retained its original name.
1177	ERROR_UNABLE_TO_MOVE_REPLACE_2 Unable to move the replacement file to the file to be replaced. The file to be replaced has been renamed using the backup name.
1178	ERROR_JOURNAL_DELETE_IN_PROGRESS The volume change journal is being deleted.
1179	ERROR_JOURNAL_NOT_ACTIVE The volume change journal service is not active.

Table continues on next page

1181	ERROR_JOURNAL_ENTRY_DELETED The journal entry has been deleted from the journal.
1200	ERROR_BAD_DEVICE The specified device name is invalid.
1201	ERROR_CONNECTION_UNAVAIL The device is not currently connected but it is a remembered connection.
1202	ERROR_DEVICE_ALREADY_REMEMBERED An attempt was made to remember a device that had previously been remembered.
1203	ERROR_NO_NET_OR_BAD_PATH No network provider accepted the given network path.
1204	ERROR_BAD_PROVIDER The specified network provider name is invalid.
1205	ERROR_CANNOT_OPEN_PROFILE Unable to open the network connection profile.
1206	ERROR_BAD_PROFILE The network connection profile is corrupted.
1207	ERROR_NOT_CONTAINER Cannot enumerate a noncontainer.
1208	ERROR_EXTENDED_ERROR An extended error has occurred.
1209	ERROR_INVALID_GROUPNAME The format of the specified group name is invalid.
1210	ERROR_INVALID_COMPUTERNAME The format of the specified computer name is invalid.
1211	ERROR_INVALID_EVENTNAME The format of the specified event name is invalid.
1212	ERROR_INVALID_DOMAINNAME The format of the specified domain name is invalid.
1213	ERROR_INVALID_SERVICENAME The format of the specified service name is invalid.
1214	ERROR_INVALID_NETNAME The format of the specified network name is invalid.
1215	ERROR_INVALID_SHARENAME The format of the specified share name is invalid.
1216	ERROR_INVALID_PASSWORDNAME The format of the specified password is invalid.
1217	ERROR_INVALID_MESSAGENAME The format of the specified message name is invalid.
1218	ERROR_INVALID_MESSAGEDEST The format of the specified message destination is invalid.
1219	ERROR_SESSION_CREDENTIAL_CONFLICT The credentials supplied conflict with an existing set of credentials.
1221	ERROR_DUP_DOMAINNAME The workgroup or domain name is already in use by another computer on the network.
1222	ERROR_NO_NETWORK The network is not present or not started.
1223	ERROR_CANCELLED The operation was canceled by the user.
1224	ERROR_USER_MAPPED_FILE The requested operation cannot be performed on a file with a user-mapped section open.
1225	ERROR_CONNECTION_REFUSED The remote system refused the network connection.

Table continues on next page

1226	ERROR_GRACEFUL_DISCONNECT The network connection was gracefully closed.
1227	ERROR_ADDRESS_ALREADY_ASSOCIATED The network transport endpoint already has an address associated with it.
1228	ERROR_ADDRESS_NOT_ASSOCIATED An address has not yet been associated with the network endpoint.
1229	ERROR_CONNECTION_INVALID An operation was attempted on a nonexistent network connection.
1230	ERROR_CONNECTION_ACTIVE An invalid operation was attempted on an active network connection.
1231	ERROR_NETWORK_UNREACHABLE The remote network is not reachable by the transport.
1232	ERROR_HOST_UNREACHABLE The remote system is not reachable by the transport.
1233	ERROR_PROTOCOL_UNREACHABLE The remote system does not support the transport protocol.
1234	ERROR_PORT_UNREACHABLE No service is operating at the destination network endpoint on the remote system.
1235	ERROR_REQUEST_ABORTED The request was aborted.
1236	ERROR_CONNECTION_ABORTED The network connection was aborted by the local system.
1237	ERROR_RETRY The operation could not be completed. A retry should be performed.
1238	ERROR_CONNECTION_COUNT_LIMIT A connection to the server could not be made because the limit on the number of concurrent connections for this account has been reached.
1239	ERROR_LOGIN_TIME_RESTRICTION Attempting to log in during an unauthorized time of day for this account.
1240	ERROR_LOGIN_WKSTA_RESTRICTION The account is not authorized to log in from this station.
1241	ERROR_INCORRECT_ADDRESS The network address could not be used for the operation requested.
1242	ERROR_ALREADY_REGISTERED The service is already registered.
1243	ERROR_SERVICE_NOT_FOUND The specified service does not exist.
1244	ERROR_NOT_AUTHENTICATED The operation being requested was not performed because the user has not been authenticated.
1245	ERROR_NOT_LOGGED_ON The operation being requested was not performed because the user has not logged on to the network. The specified service does not exist.
1246	ERROR_CONTINUE Continue with work in progress.
1247	ERROR_ALREADY_INITIALIZED An attempt was made to perform an initialization operation when initialization has already been completed.
1248	ERROR_NO_MORE_DEVICES No more local devices.
1249	ERROR_NO_SUCH_SITE The specified site does not exist.
1250	ERROR_DOMAIN_CONTROLLER_EXISTS A domain controller with the specified name already exists.

Table continues on next page

1251	ERROR_ONLY_IF_CONNECTED This operation is supported only when the user is connected to the server.
1300	ERROR_NOT_ALL_ASSIGNED Not all privileges referenced are assigned to the caller.
1301	ERROR_SOME_NOT_MAPPED Some mapping between account names and security IDs was not done.
1302	ERROR_NO_QUOTAS_FOR_ACCOUNT No system quota limits are specifically set for this account.
1303	ERROR_LOCAL_USER_SESSION_KEY No encryption key is available. A well-known encryption key was returned.
1304	ERROR_NULL_LM_PASSWORD The Windows password is too complex to be converted to a LAN Manager password. The LAN Manager password returned is a NULL string.
1305	ERROR_UNKNOWN_REVISION The revision level is unknown.
1306	ERROR_REVISION_MISMATCH Indicates two revision levels are incompatible.
1307	ERROR_INVALID_OWNER This security ID may not be assigned as the owner of this object.
1308	ERROR_INVALID_PRIMARY_GROUP This security ID may not be assigned as the primary group of an object.
1309	ERROR_NO_IMPERSONATION_TOKEN An attempt has been made to operate on an impersonation token by a thread that is not currently impersonating a client.
1310	ERROR_CANT_DISABLE_MANDATORY The group may not be disabled.
1311	ERROR_NO_LOGON_SERVERS There are currently no logon servers available to service the logon request.
1312	ERROR_NO SUCH_LOGON_SESSION A specified logon session does not exist. It may already have been terminated.
1313	ERROR_NO SUCH_PRIVILEGE A specified privilege does not exist.
1314	ERROR_PRIVILEGE_NOT_HELD A required privilege is not held by the client.
1315	ERROR_INVALID_ACCOUNT_NAME The name provided is not a properly formed account name.
1316	ERROR_USER_EXISTS The specified user already exists.
1317	ERROR_NO SUCH_USER The specified user does not exist.
1318	ERROR_GROUP_EXISTS The specified group already exists.
1319	ERROR_NO SUCH_GROUP The specified group does not exist.
1321	ERROR_MEMBER_NOT_IN_GROUP The specified user account is not a member of the specified group account.
1322	ERROR_LAST_ADMIN The last remaining administration account cannot be disabled or deleted.
1323	ERROR_WRONG_PASSWORD Unable to update the password. The value provided as the current password is incorrect.
1324	ERROR_ILL_FORMED_PASSWORD Unable to update the password. The value provided for the new password contains values that are not allowed in passwords.

Table continues on next page

1325	ERROR_PASSWORD_RESTRICTION Unable to update the password because a password update rule has been violated.
1326	ERROR_LOGON_FAILURE Logon failure: unknown user name or bad password.
1327	ERROR_ACCOUNT_RESTRICTION Logon failure: user account restriction.
1328	ERROR_INVALID_LOGON_HOURS Logon failure: account logon time restriction violation.
1329	ERROR_INVALID_WORKSTATION Logon failure: user not allowed to log on to this computer.
1330	ERROR_PASSWORD_EXPIRED Logon failure: the specified account password has expired.
1331	ERROR_ACCOUNT_DISABLED Logon failure: account currently disabled.
1332	ERROR_NONE_MAPPED No mapping between account names and security IDs was done.
1333	ERROR_TOO_MANY_LUIDS_REQUESTED Too many local user identifiers (LUIDs) were requested at one time.
1334	ERROR_LUIDS_EXHAUSTED No more local user identifiers (LUIDs) are available.
1335	ERROR_INVALID_SUB_AUTHORITY The subauthority part of a security ID is invalid for this particular use.
1336	ERROR_INVALID_ACL The access control list (ACL) structure is invalid.
1337	ERROR_INVALID_SID The security ID structure is invalid.
1338	ERROR_INVALID_SECURITY_DESCR The security descriptor structure is invalid.
1340	ERROR_BAD_INHERITANCE_ACL The inherited access control list (ACL) or access control entry (ACE) could not be built.
1341	ERROR_SERVER_DISABLED The server is currently disabled.
1342	ERROR_SERVER_NOT_DISABLED The server is currently enabled.
1343	ERROR_INVALID_ID_AUTHORITY The value provided was an invalid value for an identifier authority.
1344	ERROR_ALLOTTED_SPACE_EXCEEDED No more memory is available for security information updates.
1347	ERROR_CANT_OPEN_ANONYMOUS Cannot open an anonymous level security token.
1348	ERROR_BAD_VALIDATION_CLASS The validation information class requested was invalid.
1349	ERROR_BAD_TOKEN_TYPE The type of the token is inappropriate for its attempted use.
1350	ERROR_NO_SECURITY_ON_OBJECT Unable to perform a security operation on an object that has no associated security.
1352	ERROR_INVALID_SERVER_STATE The security account manager (SAM) or local security authority (LSA) server was in the wrong state to perform the security operation.
1353	ERROR_INVALID_DOMAIN_STATE The domain was in the wrong state to perform the security operation.
1354	ERROR_INVALID_DOMAIN_ROLE This operation is only allowed for the Primary Domain Controller of the domain.

Table continues on next page

1355	ERROR_NO_SUCH_DOMAIN The specified domain did not exist.
1356	ERROR_DOMAIN_EXISTS The specified domain already exists.
1357	ERROR_DOMAIN_LIMIT_EXCEEDED An attempt was made to exceed the limit on the number of domains per server.
1358	ERROR_INTERNAL_DB_CORRUPTION Unable to complete the requested operation because of either a catastrophic media failure or a data structure corruption on the disk.
1359	ERROR_INTERNAL_ERROR The security account database contains an internal inconsistency.
1360	ERROR_GENERIC_NOT_MAPPED Generic access types were contained in an access mask which should already be mapped to nongeneric types.
1361	ERROR_BAD_DESCRIPTOR_FORMAT A security descriptor is not in the right format (absolute or self-relative).
1362	ERROR_NOT_LOGON_PROCESS The requested action is restricted for use by logon processes only. The calling process has not registered as a logon process.
1363	ERROR_LOGON_SESSION_EXISTS Cannot start a new logon session with an ID that is already in use.
1364	ERROR_NO_SUCH_PACKAGE A specified authentication package is unknown.
1365	ERROR_BAD_LOGON_SESSION_STAT The logon session is not in a state that is consistent with the requested operation.
1366	ERROR_LOGON_SESSION_COLLISION The logon session ID is already in use.
1367	ERROR_INVALID_LOGON_TYPE A logon request contained an invalid logon type value.
1368	ERROR_CANNOT_IMPERSONATE Unable to impersonate using a named pipe until data has been read from that pipe.
1369	ERROR_RXACT_INVALID_STATE The transaction state of a registry subtree is incompatible with the requested operation.
1370	ERROR_RXACT_COMMIT_FAILURE An internal security database corruption has been encountered.
1371	ERROR_SPECIAL_ACCOUNT Cannot perform this operation on built-in accounts.
1372	ERROR_SPECIAL_GROUP Cannot perform this operation on this built-in special group.
1373	ERROR_SPECIAL_USER Cannot perform this operation on this built-in special user.
1374	ERROR_MEMBERS_PRIMARY_GROUP The user cannot be removed from a group because the group is currently the user's primary group.
1375	ERROR_TOKEN_ALREADY_IN_USE The token is already in use as a primary token.
1376	ERROR_NO_SUCH_ALIAS The specified local group does not exist.
1377	ERROR_MEMBER_NOT_IN_ALIAS The specified account name is not a member of the local group.
1378	ERROR_MEMBER_IN_ALIAS The specified account name is already a member of the local group.
1379	ERROR_ALIAS_EXISTS The specified local group already exists.

Table continues on next page

1380	ERROR_LOGON_NOT_GRANTED Logon failure: the user has not been granted the requested logon type at this computer.
1381	ERROR_TOO_MANY_SECRETS The maximum number of secrets that may be stored in a single system has been exceeded.
1382	ERROR_SECRET_TOO_LONG The length of a secret exceeds the maximum length allowed.
1383	ERROR_INTERNAL_DB_ERROR The local security authority database contains an internal inconsistency.
1385	ERROR_LOGON_TYPE_NOT_GRANTED Logon failure: the user has not been granted the requested logon type at this computer.
1386	ERROR_NT_CROSS_ENCRYPTION_REQUIRED A cross-encrypted password is necessary to change a user password.
1387	ERROR_NO_SUCH_MEMBER A new member could not be added to a local group because the member does not exist.
1388	ERROR_INVALID_MEMBER A new member could not be added to a local group because the member has the wrong account type.
1389	ERROR_TOO_MANY_SIDS Too many security IDs have been specified.
1390	ERROR_LM_CROSS_ENCRYPTION_REQUIRED A cross-encrypted password is necessary to change this user password.
1391	ERROR_NO_INHERITANCE Indicates an ACL contains no inheritable components.
1392	ERROR_FILE_CORRUPT The file or directory is corrupted and unreadable.
1393	ERROR_DISK_CORRUPT The disk structure is corrupted and unreadable.
1394	ERROR_NO_USER_SESSION_KEY There is no user session key for the specified logon session.
1395	ERROR_LICENSE_QUOTA_EXCEEDED The service being accessed is licensed for a particular number of connections. No more connections can be made to the service at this time because there are already as many connections as the service.
1396	ERROR_WRONG_TARGET_NAME Logon Failure: The target account name is incorrect.
1397	ERROR_MUTUAL_AUTH_FAILED Mutual Authentication failed. The server's password is out of date at the domain controller.
1398	ERROR_TIME_SKEW There is a time difference between the client and server.
1400	ERROR_INVALID_WINDOW_HANDLE Invalid window handle.
1401	ERROR_INVALID_MENU_HANDLE Invalid menu handle.
1402	ERROR_INVALID_CURSOR_HANDLE Invalid cursor handle.
1403	ERROR_INVALID_ACCEL_HANDLE Invalid accelerator table handle.
1404	ERROR_INVALID_HOOK_HANDLE Invalid hook handle.

Table continues on next page

1405	ERROR_INVALID_DWP_HANDLE Invalid handle to a multiple-window position structure.
1406	ERROR_TLW_WITH_WSCHILD Cannot create a top-level child window.
1407	ERROR_CANNOT_FIND_WND_CLASS Cannot find window class.
1408	ERROR_WINDOW_OF_OTHER_THREAD Invalid window. The window belongs to another thread.
1409	ERROR_HOTKEY_ALREADY_REGISTERED Hot key is already registered.
1410	ERROR_CLASS_ALREADY_EXISTS Class already exists.
1411	ERROR_CLASS_DOES_NOT_EXIST Class does not exist.
1412	ERROR_CLASS_HAS_WINDOWS Class still has open windows.
1413	ERROR_INVALID_INDEX Invalid index.
1414	ERROR_INVALID_ICON_HANDLE Invalid icon handle.
1415	ERROR_PRIVATE_DIALOG_INDEX Using private DIALOG window words.
1416	ERROR_LISTBOX_ID_NOT_FOUND The list box identifier was not found.
1417	ERROR_NO_WILDCARD_CHARACTERS No wildcards were found.
1418	ERROR_CLIPBOARD_NOT_OPEN Thread does not have a clipboard open.
1419	ERROR_HOTKEY_NOT_REGISTERED Hot key is not registered.
1420	ERROR_WINDOW_NOT_DIALOG The window is not a valid dialog window.
1421	ERROR_CONTROL_ID_NOT_FOUND Control ID not found.
1422	ERROR_INVALID_COMBOBOX_MESSAGE Invalid message for a combo box because it does not have an edit control.
1423	ERROR_WINDOW_NOT_COMBOBOX The window is not a combo box.
1424	ERROR_INVALID_EDIT_HEIGHT Height must be less than 256.
1425	ERROR_DC_NOT_FOUND Invalid device context (DC) handle.
1426	ERROR_INVALID_HOOK_FILTER Invalid hook procedure type.
1427	ERROR_INVALID_FILTER_PROC Invalid hook procedure.
1428	ERROR_HOOK_NEEDS_HMOD Cannot set nonlocal hook without a module handle.
1429	ERROR_GLOBAL_ONLY_HOOK This hook procedure can only be set globally.
1430	ERROR_JOURNAL_HOOK_SET The journal hook procedure is already installed.
1431	ERROR_HOOK_NOT_INSTALLED The hook procedure is not installed.

Table continues on next page

1432	ERROR_INVALID_LB_MESSAGE Invalid message for single-selection list box.
1433	ERROR_SETCOUNT_ON_BAD_LB LB_SETCOUNT sent to non-lazy list box.
1434	ERROR_LB_WITHOUT_TABSTOPS This list box does not support tab stops.
1435	ERROR_DESTROY_OBJECT_OF_OTHER_THREAD Cannot destroy object created by another thread.
1436	ERROR_CHILD_WINDOW_MENU Child windows cannot have menus.
1437	ERROR_NO_SYSTEM_MENU The window does not have a system menu.
1438	ERROR_INVALID_MSGBOX_STYLE Invalid message box style.
1439	ERROR_INVALID_SPI_VALUE Invalid system-wide (SPI_*) parameter.
1440	ERROR_SCREEN_ALREADY_LOCKED Screen already locked.
1441	ERROR_HWNDs_HAVE_DIFF_PARENT All handles to windows in a multiple-window position structure must have the same parent.
1442	ERROR_NOT_CHILD_WINDOW The window is not a child window.
1443	ERROR_INVALID_GW_COMMAND Invalid GW_* command.
1444	ERROR_INVALID_THREAD_ID Invalid thread identifier.
1445	ERROR_NON_MDICCHILD_WINDOW Cannot process a message from a window that is not a multiple document interface (MDI) window.
1446	ERROR_POPUP_ALREADY_ACTIVE Popup menu already active.
1447	ERROR_NO_SCROLLBARS The window does not have scroll bars.
1448	ERROR_INVALID_SCROLLBAR_RANGE Scroll bar range cannot be greater than 0x7FFF.
1449	ERROR_INVALID_SHOWWIN_COMMAND Cannot show or remove the window in the way specified.
1450	ERROR_NO_SYSTEM_RESOURCES Insufficient system resources exist to complete the requested service.
1451	ERROR_NONPAGED_SYSTEM_RESOURCES Insufficient system resources exist to complete the requested service.
1452	ERROR_PAGED_SYSTEM_RESOURCES Insufficient system resources exist to complete the requested service.
1453	ERROR_WORKING_SET_QUOTA Insufficient quota to complete the requested service.
1454	ERROR_PAGEFILE_QUOTA Insufficient quota to complete the requested service.
1455	ERROR_COMMITMENT_LIMIT The paging file is too small for this operation to complete.
1456	ERROR_MENU_ITEM_NOT_FOUND A menu item was not found.
1457	ERROR_INVALID_KEYBOARD_HANDLE Invalid keyboard layout handle.

Table continues on next page

1458	ERROR_HOOK_TYPE_NOT_ALLOWED Hook type not allowed.
1459	ERROR_REQUIRES_INTERACTIVE_WINDOWSTATION This operation requires an interactive window station.
1460	ERROR_TIMEOUT This operation returned because the timeout period expired.
1461	ERROR_INVALID_MONITOR_HANDLE Invalid monitor handle.
1500	ERROR_EVENTLOG_FILE_CORRUPT The event log file is corrupted.
1502	ERROR_LOG_FILE_FULL The event log file is full.
1503	ERROR_EVENTLOG_FILE_CHANGED The event log file has changed between read operations.
1601	ERROR_INSTALL_SERVICE_FAILURE Failure accessing installation service.
1602	ERROR_INSTALL_USEREXIT User cancelled installation.
1603	ERROR_INSTALL_FAILURE Fatal error during installation.
1605	ERROR_UNKNOWN_PRODUCT Product is not installed.
1606	ERROR_UNKNOWN_FEATURE Feature ID not registered.
1607	ERROR_UNKNOWN_COMPONENT Component ID not registered.
1608	ERROR_UNKNOWN_PROPERTY Unknown property.
1609	ERROR_INVALID_HANDLE_STATE Handle is in an invalid state.
1610	ERROR_BAD_CONFIGURATION Configuration data corrupt.
1611	ERROR_INDEX_ABSENT Component qualifier not present.
1612	ERROR_INSTALL_SOURCE_ABSENT Install source unavailable.
1613	ERROR_INSTALL_PACKAGE_VERSION Database version unsupported.
1614	ERROR_PRODUCT_UNINSTALLED Product is uninstalled.
1615	ERROR_BAD_QUERY_SYNTAX SQL query syntax invalid or unsupported.
1616	ERROR_INVALID_FIELD Record field does not exist.
1617	ERROR_DEVICE_REMOVED The device has been removed.
1618	ERROR_INSTALL_ALREADY_RUNNING An installation is in progress.
1619	ERROR_INSTALL_PACKAGE_OPEN_FAILED Installation package could not be opened.
1620	ERROR_INSTALL_PACKAGE_INVALID Installation package invalid.
1621	ERROR_INSTALL_UI_FAILURE Could not initialize installer user interface.

Table continues on next page

1622	ERROR_INSTALL_LOG_FAILURE Error opening installation log file.
1623	ERROR_INSTALL_LANGUAGE_UNSUPPORTED Product language not supported by system.
1624	ERROR_INSTALL_TRANSFORM_FAILURE Error applying transform to install package.
1625	ERROR_INSTALL_PACKAGE_REJECTED Install package signature not accepted.
1626	ERROR_FUNCTION_NOT_CALLED Function could not be executed.
1627	ERROR_FUNCTION_FAILED Function failed during execution.
1628	ERROR_INVALID_TABLE Invalid or unknown table specified.
1629	ERROR_DATATYPE_MISMATCH Data supplied is of wrong type.
1630	ERROR_UNSUPPORTED_TYPE Data of this type is not supported.
1631	ERROR_CREATE_FAILED Unable to create requested object.
1632	ERROR_INSTALL_TEMP_UNWRITABLE Temp folder is full or inaccessible.
1633	ERROR_INSTALL_PLATFORM_UNSUPPORTED Product platform not supported.
1634	ERROR_INSTALL_NOTUSED Component not used on this computer.
1635	ERROR_PATCH_PACKAGE_OPEN_FAILED Patch package could not be opened.
1636	ERROR_PATCH_PACKAGE_INVALID Patch package invalid.
1637	ERROR_PATCH_PACKAGE_UNSUPPORTED Patch package unsupported.
1638	ERROR_INVALID_COMMAND_LINE Invalid command line argument.
1700	RPC_S_INVALID_STRING_BINDING The string binding is invalid.
1701	RPC_S_WRONG_KIND_OF_BINDING The binding handle is not the correct type.
1702	RPC_S_INVALID_BINDING The binding handle is invalid.
1703	RPC_S_PROTSEQ_NOT_SUPPORTED The RPC protocol sequence is not supported.
1704	RPC_S_INVALID_RPC_PROTSEQ The RPC protocol sequence is invalid.
1705	RPC_S_INVALID_STRING_UUID The string universal unique identifier (UUID) is invalid.
1706	RPC_S_INVALID_ENDPOINT_FORMAT The endpoint format is invalid.
1707	RPC_S_INVALID_NET_ADDR The network address is invalid.
1708	RPC_S_NO_ENDPOINT_FOUND No endpoint was found.
1709	RPC_S_INVALID_TIMEOUT The timeout value is invalid.

Table continues on next page

1710	RPC_S_OBJECT_NOT_FOUND The object universal unique identifier (UUID) was not found.
1711	RPC_S_ALREADY_REGISTERED The object universal unique identifier (UUID) has already been registered.
1712	RPC_S_TYPE_ALREADY_REGISTERED The type universal unique identifier (UUID) has already been registered.
1713	RPC_S_ALREADY_LISTENING The RPC server is already listening.
1714	RPC_S_NO_PROTSEQS_REGISTERED No protocol sequences have been registered.
1715	RPC_S_NOT_LISTENING The RPC server is not listening.
1716	RPC_S_UNKNOWN_MGR_TYPE The manager type is unknown.
1717	RPC_S_UNKNOWN_IF The interface is unknown.
1718	RPC_S_NO_BINDINGS There are no bindings.
1719	RPC_S_NO_PROTSEQS There are no protocol sequences.
1720	RPC_S_CANT_CREATE_ENDPOINT The endpoint cannot be created.
1721	RPC_S_OUT_OF_RESOURCES Not enough resources are available to complete this operation.
1722	RPC_S_SERVER_UNAVAILABLE The RPC server is unavailable.
1723	RPC_S_SERVER_TOO_BUSY The RPC server is too busy to complete this operation.
1724	RPC_S_INVALID_NETWORK_OPTIONS The network options are invalid.
1725	RPC_S_NO_CALL_ACTIVE There are no remote procedure calls active on this thread.
1726	RPC_S_CALL_FAILED The remote procedure call failed.
1727	RPC_S_CALL_FAILED_DNE The remote procedure call failed and did not execute.
1728	RPC_S_PROTOCOL_ERROR A remote procedure call (RPC) protocol error occurred.
1730	RPC_S_UNSUPPORTED_TRANS_SYN The transfer syntax is not supported by the RPC server.
1732	RPC_S_UNSUPPORTED_TYPE The universal unique identifier (UUID) type is not supported.
1733	RPC_S_INVALID_TAG The tag is invalid.
1734	RPC_S_INVALID_BOUND The array bounds are invalid.
1735	RPC_S_NO_ENTRY_NAME The binding does not contain an entry name.
1736	RPC_S_INVALID_NAME_SYNTAX The name syntax is invalid.
1737	RPC_S_UNSUPPORTED_NAME_SYNTAX The name syntax is not supported.
1739	RPC_S_UUID_NO_ADDRESS No network address is available to use to construct a universal unique identifier (UUID).

Table continues on next page

1740	RPC_S_DUPLICATE_ENDPOINT The endpoint is a duplicate.
1741	RPC_S_UNKNOWN_AUTHN_TYPE The authentication type is unknown.
1742	RPC_S_MAX_CALLS_TOO_SMALL The maximum number of calls is too small.
1743	RPC_S_STRING_TOO_LONG The string is too long.
1744	RPC_S_PROTSEQ_NOT_FOUND The RPC protocol sequence was not found.
1745	RPC_S PROCNUM_OUT_OF_RANGE The procedure number is out of range.
1746	RPC_S_BINDING_HAS_NO_AUTH The binding does not contain any authentication information.
1747	RPC_S_UNKNOWN_AUTHN_SERVICE The authentication service is unknown.
1748	RPC_S_UNKNOWN_AUTHN_LEVEL The authentication level is unknown.
1749	RPC_S_INVALID_AUTH_IDENTITY The security context is invalid.
1750	RPC_S_UNKNOWN_AUTHZ_SERVICE The authorization service is unknown.
1751	EPT_S_INVALID_ENTRY The entry is invalid.
1752	EPT_S_CANT_PERFORM_OP The server endpoint cannot perform the operation.
1753	EPT_S_NOT_REGISTERED There are no more endpoints available from the endpoint mapper.
1754	RPC_S NOTHING_TO_EXPORT No interfaces have been exported.
1755	RPC_S_INCOMPLETE_NAME The entry name is incomplete.
1756	RPC_S_INVALID_VERS_OPTION The version option is invalid.
1757	RPC_S_NO_MORE_MEMBERS There are no more members.
1758	RPC_S_NOT_ALL_OBJS_UNEXPORTED There is nothing to unexport.
1759	RPC_S_INTERFACE_NOT_FOUND The interface was not found.
1760	RPC_S_ENTRY_ALREADY_EXISTS The entry already exists.
1761	RPC_S_ENTRY_NOT_FOUND The entry is not found.
1762	RPC_S_NAME_SERVICE_UNAVAILABLE The name service is unavailable.
1763	RPC_S_INVALID_NAF_ID The network address family is invalid.
1764	RPC_S_CANNOT_SUPPORT The requested operation is not supported.
1765	RPC_S_NO_CONTEXT_AVAILABLE No security context is available to allow impersonation.
1766	RPC_S_INTERNAL_ERROR An internal error occurred in a remote procedure call (RPC).

Table continues on next page

1767	RPC_S_ZERO_DIVIDE The RPC server attempted an integer division by zero.
1768	RPC_S_ADDRESS_ERROR An addressing error occurred in the RPC server.
1769	RPC_S_FP_DIV_ZERO A floating-point operation at the RPC server caused a division by zero.
1770	RPC_S_FP_UNDERFLOW A floating-point underflow occurred at the RPC server.
1771	RPC_S_FP_OVERFLOW A floating-point overflow occurred at the RPC server.
1772	RPC_X_NO_MORE_ENTRIES The list of RPC servers available for the binding of auto handles has been exhausted.
1773	RPC_X_SS_CHAR_TRANS_OPEN_FAIL Unable to open the character translation table file.
1774	RPC_X_SS_CHAR_TRANS_SHORT_FILE The file containing the character translation table has fewer than 512 bytes.
1775	RPC_X_SS_IN_NULL_CONTEXT A null context handle was passed from the client to the host during a remote procedure call.
1777	RPC_X_SS_CONTEXT_DAMAGED The context handle changed during a remote procedure call.
1778	RPC_X_SS_HANDLES_MISMATCH The binding handles passed to a remote procedure call do not match.
1779	RPC_X_SS_CANNOT_GET_CALL_HANDLE The stub is unable to get the remote procedure call handle.
1780	RPC_X_NULL_REF_POINTER A null reference pointer was passed to the stub.
1781	RPC_X_ENUM_VALUE_OUT_OF_RANGE The enumeration value is out of range.
1782	RPC_X_BYTE_COUNT_TOO_SMALL The byte count is too small.
1783	RPC_X_BAD_STUB_DATA The stub received bad data.
1784	ERROR_INVALID_USER_BUFFER The supplied user buffer is not valid for the requested operation.
1785	ERROR_UNRECOGNIZED_MEDIA The disk media is not recognized. It may not be formatted.
1786	ERROR_NO_TRUST_LSA_SECRET The workstation does not have a trust secret.
1787	ERROR_NO_TRUST_SAM_ACCOUNT The SAM database on the Windows NT Server does not have a computer account for this workstation trust relationship.
1788	ERROR_TRUSTED_DOMAIN_FAILURE The trust relationship between the primary domain and the trusted domain failed.
1789	ERROR_TRUSTED_RELATIONSHIP_FAILURE The trust relationship between this workstation and the primary domain failed.
1790	ERROR_TRUST_FAILURE The network logon failed.
1791	RPC_S_CALL_IN_PROGRESS A remote procedure call is already in progress for this thread.
1793	ERROR_ACCOUNT_EXPIRED The user's account has expired.
1794	ERROR_REDIRECTOR_HAS_OPEN_HANDLES The redirector is in use and cannot be unloaded.

Table continues on next page

1795	ERROR_PRINTER_DRIVER_ALREADY_INSTALLED The specified printer driver is already installed.
1796	ERROR_UNKNOWN_PORT The specified port is unknown.
1797	ERROR_UNKNOWN_PRINTER_DRIVER The printer driver is unknown.
1798	ERROR_UNKNOWN_PRINTPROCESSOR The print processor is unknown.
1799	ERROR_INVALID_SEPARATOR_FILE The specified separator file is invalid.
1800	ERROR_INVALID_PRIORITY The specified priority is invalid.
1801	ERROR_INVALID_PRINTER_NAME The printer name is invalid.
1802	ERROR_PRINTER_ALREADY_EXISTS The printer already exists.
1803	ERROR_INVALID_PRINTER_COMMAND The printer command is invalid.
1804	ERROR_INVALID_DATATYPE The specified datatype is invalid.
1805	ERROR_INVALID_ENVIRONMENT The environment specified is invalid.
1806	RPC_S_NO_MORE_BINDINGS There are no more bindings.
1807	ERROR_NOLOGON_INTERDOMAIN_TRUST_ACCOUNT The account used is an interdomain trust account. Use the global user account or local user account to access this server.
1808	ERROR_NOLOGON_WORKSTATION_TRUST_ACCOUNT The account used is a computer account. Use the global user account or local user account to access this server.
1809	ERROR_NOLOGON_SERVER_TRUST_ACCOUNT The account used is a server trust account. Use the global user account or local user account to access this server.
1810	ERROR_DOMAIN_TRUST_INCONSISTENT The name or security ID (SID) of the domain specified is inconsistent with the trust information for that domain.
1811	ERROR_SERVER_HAS_OPEN_HANDLES The server is in use and cannot be unloaded.
1812	ERROR_RESOURCE_DATA_NOT_FOUND The specified image file did not contain a resource section.
1813	ERROR_RESOURCE_TYPE_NOT_FOUND The specified resource type cannot be found in the image file.
1814	ERROR_RESOURCE_NAME_NOT_FOUND The specified resource name cannot be found in the image file.
1815	ERROR_RESOURCE_LANG_NOT_FOUND The specified resource language ID cannot be found in the image file.
1816	ERROR_NOT_ENOUGH_QUOTA Not enough quota is available to process this command.
1817	RPC_S_NO_INTERFACES No interfaces have been registered.
1818	RPC_S_CALL_CANCELLED The remote procedure call was cancelled.
1819	RPC_S_BINDING_INCOMPLETE The binding handle does not contain all required information.

Table continues on next page

1820	RPC_S_COMM_FAILURE	A communications failure occurred during a remote procedure call.
1821	RPC_S_UNSUPPORTED_AUTHN_LEVEL	The requested authentication level is not supported.
1822	RPC_S_NO_PRINC_NAME	No principal name registered.
1823	RPC_S_NOT_RPC_ERROR	The error specified is not a valid Windows RPC error code.
1824	RPC_S_UUID_LOCAL_ONLY	A UUID that is valid only on this computer has been allocated.
1825	RPC_S_SEC_PKG_ERROR	A security package specific error occurred.
1826	RPC_S_NOT_CANCELLED	Thread is not canceled.
1827	RPC_X_INVALID_ES_ACTION	Invalid operation on the encoding/decoding handle.
1828	RPC_X_WRONG_ES_VERSION	Incompatible version of the serializing package.
1829	RPC_X_WRONG_STUB_VERSION	Incompatible version of the RPC stub.
1830	RPC_X_INVALID_PIPE_OBJECT	The RPC pipe object is invalid or corrupted.
1831	RPC_X_WRONG_PIPE_ORDER	An invalid operation was attempted on an RPC pipe object.
1832	RPC_X_WRONG_PIPE_VERSION	Unsupported RPC pipe version.
1898	RPC_S_GROUP_MEMBER_NOT_FOUND	The group member was not found.
1899	EPT_S_CANT_CREATE	The endpoint mapper database entry could not be created.
1900	RPC_S_INVALID_OBJECT	The object universal unique identifier (UUID) is the nil UUID.
1901	ERROR_INVALID_TIME	The specified time is invalid.
1902	ERROR_INVALID_FORM_NAME	The specified form name is invalid.
1903	ERROR_INVALID_FORM_SIZE	The specified form size is invalid.
1904	ERROR_ALREADY_WAITING	The specified printer handle is already being waited on.
1905	ERROR_PRINTER_DELETED	The specified printer has been deleted.
1906	ERROR_INVALID_PRINTER_STATE	The state of the printer is invalid.
1907	ERROR_PASSWORD_MUST_CHANGE	The user must change his password before logging on the first time.
1908	ERROR_DOMAIN_CONTROLLER_NOT_FOUND	Could not find the domain controller for this domain.
1909	ERROR_ACCOUNT_LOCKED_OUT	The referenced account is currently locked out and may not be logged on to.
1910	OR_INVALID_OXID	The object exporter specified was not found.
1911	OR_INVALID_OID	The object specified was not found.

Table continues on next page

1912	OR_INVALID_SET The object resolver set specified was not found.
1913	RPC_S_SEND_INCOMPLETE Some data remains to be sent in the request buffer.
1914	RPC_S_INVALID_ASYNC_HANDLE Invalid asynchronous remote procedure call handle.
1915	RPC_S_INVALID_ASYNC_CALL Invalid asynchronous RPC call handle for this operation.
1916	RPC_X_PIPE_CLOSED The RPC pipe object has already been closed.
1917	RPC_X_PIPE_DISCIPLINE_ERROR The RPC call completed before all pipes were processed.
1918	RPC_X_PIPE_EMPTY No more data is available from the RPC pipe.
1919	ERROR_NO_SITENAME No site name is available for this machine.
1920	ERROR_CANT_ACCESS_FILE The file can not be accessed by the system.
1921	ERROR_CANT_RESOLVE_FILENAME The name of the file cannot be resolved by the system.
1922	RPC_S_ENTRY_TYPE_MISMATCH The entry is not of the expected type.
1923	RPC_S_NOT_ALL_OBJS_EXPORTED Not all object UUIDs could be exported to the specified entry.
1924	RPC_S_INTERFACE_NOT_EXPORTED Interface could not be exported to the specified entry.
1925	RPC_S_PROFILE_NOT_ADDED The specified profile entry could not be added.
1926	RPC_S_PRF_elt_NOT_ADDED The specified profile element could not be added.
1927	RPC_S_PRF_elt_NOT_REMOVED The specified profile element could not be removed.
1928	RPC_S_GRP_elt_NOT_ADDED The group element could not be added.
1929	RPC_S_GRP_elt_NOT_REMOVED The group element could not be removed.
2000	ERROR_INVALID_PIXEL_FORMAT The pixel format is invalid.
2001	ERROR_BAD_DRIVER The specified driver is invalid.
2002	ERROR_INVALID_WINDOW_STYLE The window style or class attribute is invalid for this operation.
2003	ERROR_METAFILE_NOT_SUPPORTED The requested metafile operation is not supported.
2004	ERROR_TRANSFORM_NOT_SUPPORTED The requested transformation operation is not supported.
2005	ERROR_CLIPPING_NOT_SUPPORTED The requested clipping operation is not supported.
2010	ERROR_INVALID_CMM The specified color management module is invalid.
2011	ERROR_INVALID_PROFILE The specified color profile is invalid.
2012	ERROR_TAG_NOT_FOUND The specified tag was not found.

Table continues on next page

2013	ERROR_TAG_NOT_PRESENT A required tag is not present.
2014	ERROR_DUPLICATE_TAG The specified tag is already present.
2015	ERROR_PROFILE_NOT_ASSOCIATED_WITH_DEVICE The specified color profile is not associated with any device.
2016	ERROR_PROFILE_NOT_FOUND The specified color profile was not found.
2017	ERROR_INVALID_COLORSPACE The specified color space is invalid.
2018	ERROR_ICM_NOT_ENABLED Image Color Management is not enabled.
2019	ERROR_DELETING_ICM_XFORM There was an error while deleting the color transform.
2020	ERROR_INVALID_TRANSFORM The specified color transform is invalid.
2021	ERROR_COLORSPACE_MISMATCH The specified transform does not match the bitmap's color space.
2022	ERROR_INVALID_COLORINDEX The specified named color index is not present in the profile.
2202	ERROR_BAD_USERNAME The specified username is invalid.
2250	ERROR_NOT_CONNECTED This network connection does not exist.
2401	ERROR_OPEN_FILES This network connection has files open or requests pending.
2402	ERROR_ACTIVE_CONNECTIONS Active connections still exist.
2404	ERROR_DEVICE_IN_USE The device is in use by an active process and cannot be disconnected.
3000	ERROR_UNKNOWN_PRINT_MONITOR The specified print monitor is unknown.
3001	ERROR_PRINTER_DRIVER_IN_USE The specified printer driver is currently in use.
3002	ERROR_SPOOL_FILE_NOT_FOUND The spool file was not found.
3003	ERROR_SPL_NO_STARTDOC A StartDocPrinter call was not issued.
3004	ERROR_SPL_NO_ADDJOB An AddJob call was not issued.
3005	ERROR_PRINT_PROCESSOR_ALREADY_INSTALLED The specified print processor has already been installed.
3006	ERROR_PRINT_MONITOR_ALREADY_INSTALLED The specified print monitor has already been installed.
3007	ERROR_INVALID_PRINT_MONITOR The specified print monitor does not have the required functions.
3008	ERROR_PRINT_MONITOR_IN_USE The specified print monitor is currently in use.
3009	ERROR_PRINTER_HAS_JOBS_QUEUED The requested operation is not allowed when there are jobs queued to the printer.
3010	ERROR_SUCCESS_REBOOT_REQUIRED The requested operation is successful. Changes will not be effective until the system is rebooted.

Table continues on next page

3011	ERROR_SUCCESS_RESTART_REQUIRED The requested operation is successful. Changes will not be effective until the service is restarted.
3012	ERROR_PRINTER_NOT_FOUND No printers were found.
4000	ERROR_WINS_INTERNAL WINS encountered an error while processing the command.
4001	ERROR_CAN_NOT_DEL_LOCAL_WINS The local WINS can not be deleted.
4002	ERROR_STATIC_INIT The importation from the file failed.
4003	ERROR_INC_BACKUP The backup failed. Was a full backup done before?
4004	ERROR_FULL_BACKUP The backup failed. Check the directory to which you are backing the database.
4005	ERROR_REC_NON_EXISTENT The name does not exist in the WINS database.
4006	ERROR_RPL_NOT_ALLOWED Replication with a nonconfigured partner is not allowed.
4100	ERROR_DHCP_ADDRESS_CONFLICT The DHCP client has obtained an IP address that is already in use on the network. The local interface will be disabled until the DHCP client can obtain a new address.
4200	ERROR_WMI_GUID_NOT_FOUND The GUID passed was not recognized as valid by a WMI data provider.
4201	ERROR_WMI_INSTANCE_NOT_FOUND The instance name passed was not recognized as valid by a WMI data provider.
4202	ERROR_WMI_ITEMID_NOT_FOUND The data item ID passed was not recognized as valid by a WMI data provider.
4203	ERROR_WMI_TRY AGAIN The WMI request could not be completed and should be retried.
4204	ERROR_WMI_DP_NOT_FOUND The WMI data provider could not be located.
4205	ERROR_WMI_UNRESOLVED_INSTANCE_REF The WMI data provider references an instance set that has not been registered.
4206	ERROR_WMI_ALREADY_ENABLED The WMI data block or event notification has already been enabled.
4207	ERROR_WMI_GUID_DISCONNECTED The WMI data block is no longer available.
4208	ERROR_WMI_SERVER_UNAVAILABLE The WMI data service is not available.
4209	ERROR_WMI_DP_FAILED The WMI data provider failed to carry out the request.
4210	ERROR_WMI_INVALID_MOF The WMI MOF information is not valid.
4211	ERROR_WMI_INVALID_REGINFO The WMI registration information is not valid.
4212	ERROR_WMI_ALREADY_DISABLED The WMI data block or event notification has already been disabled.
4213	ERROR_WMI_READ_ONLY The WMI data item or data block is read only.
4214	ERROR_WMI_SET_FAILURE The WMI data item or data block could not be changed.
4300	ERROR_INVALID_MEDIA The media identifier does not represent a valid medium.

Table continues on next page

4301	ERROR_INVALID_LIBRARY The library identifier does not represent a valid library.
4302	ERROR_INVALID_MEDIA_POOL The media pool identifier does not represent a valid media pool.
4303	ERROR_DRIVE_MEDIA_MISMATCH The drive and medium are not compatible or exist in different libraries.
4304	ERROR_MEDIA_OFFLINE The medium currently exists in an offline library and must be online to perform this operation.
4305	ERROR_LIBRARY_OFFLINE The operation cannot be performed on an offline library.
4308	ERROR_MEDIA_UNAVAILABLE No media is currently available in this media pool or library.
4309	ERROR_RESOURCE_DISABLED A resource required for this operation is disabled.
4310	ERROR_INVALID_CLEANER The media identifier does not represent a valid cleaner.
4311	ERROR_UNABLE_TO_CLEAN The drive cannot be cleaned or does not support cleaning.
4312	ERROR_OBJECT_NOT_FOUND The object identifier does not represent a valid object.
4313	ERROR_DATABASE_FAILURE Unable to read from or write to the database.
4314	ERROR_DATABASE_FULL The database is full.
4315	ERROR_MEDIA_INCOMPATIBLE The medium is not compatible with the device or media pool.
4316	ERROR_RESOURCE_NOT_PRESENT The resource required for this operation does not exist.
4317	ERROR_INVALID_OPERATION The operation identifier is not valid.
4318	ERROR_MEDIA_NOT_AVAILABLE The media is not mounted or ready for use.
4319	ERROR_DEVICE_NOT_AVAILABLE The device is not ready for use.
4320	ERROR_REQUEST_REFUSED The operator or administrator has refused the request.
4321	ERROR_INVALID_DRIVE_OBJECT The drive identifier does not represent a valid drive.
4322	ERROR_LIBRARY_FULL Library is full. No slot is available for use.
4323	ERROR_MEDIUM_NOT_ACCESSIBLE The transport cannot access the medium.
4324	ERROR_UNABLE_TO_LOAD_MEDIUM Unable to load the medium into the drive.
4325	ERROR_UNABLE_TO_INVENTORY_DRIVE Unable to retrieve status about the drive.
4326	ERROR_UNABLE_TO_INVENTORY_SLOT Unable to retrieve status about the slot.
4327	ERROR_UNABLE_TO_INVENTORY_TRANSPORT Unable to retrieve status about the transport.
4328	ERROR_TRANSPORT_FULL Cannot use the transport because it is already in use.

Table continues on next page

4329	ERROR_CONTROLLING_IREPORT Unable to open or close the inject/eject port.
4330	ERROR_UNABLE_TO_EJECT_MOUNTED_MEDIA Unable to eject the media because it is in a drive.
4331	ERROR_CLEANER_SLOT_SET A cleaner slot is already reserved.
4332	ERROR_CLEANER_SLOT_NOT_SET A cleaner slot is not reserved.
4333	ERROR_CLEANER_CARTRIDGE_SPENT The cleaner cartridge has performed the maximum number of drive cleanings.
4334	ERROR_UNEXPECTED_OMID Unexpected on-medium identifier.
4335	ERROR_CANT_DELETE_LAST_ITEM The last remaining item in this group or resource cannot be deleted.
4336	ERROR_MESSAGE_EXCEEDS_MAX_SIZE The message provided exceeds the maximum size allowed for this parameter.
4337	ERROR_VOLUME_CONTAINS_SYS_FILES The volume contains system or paging files.
4338	ERROR_INDIGENOUS_TYPE The media type cannot be removed from this library since at least one drive in the library reports it can support this media type.
4339	ERROR_NO_SUPPORTING_DRIVES This offline media cannot be mounted on this system since no enabled drives are present which can be used.
4350	ERROR_FILE_OFFLINE The remote storage service was not able to recall the file.
4351	ERROR_REMOTE_STORAGE_NOT_ACTIVE The remote storage service is not operational at this time.
4352	ERROR_REMOTE_STORAGE_MEDIA_ERROR The remote storage service encountered a media error.
4390	ERROR_NOT_A_REPARSE_POINT The file or directory is not a reparse point.
4391	ERROR_REPARSE_ATTRIBUTE_CONFLICT The reparse point attribute cannot be set because it conflicts with an existing attribute.
4392	ERROR_INVALID_REPARSE_DATA The data present in the reparse point buffer is invalid.
4393	ERROR_REPARSE_TAG_INVALID The tag present in the reparse point buffer is invalid.
4394	ERROR_REPARSE_TAG_MISMATCH There is a mismatch between the tag specified in the request and the tag present in the reparse point.
5001	ERROR_DEPENDENT_RESOURCE_EXISTS The cluster resource cannot be moved to another group because other resources are dependent on it.
5002	ERROR_DEPENDENCY_NOT_FOUND The cluster resource dependency cannot be found.
5003	ERROR_DEPENDENCY_ALREADY_EXISTS The cluster resource cannot be made dependent on the specified resource because it is already dependent.
5004	ERROR_RESOURCE_NOT_ONLINE The cluster resource is not online.
5005	ERROR_HOST_NODE_NOT_AVAILABLE A cluster node is not available for this operation.

Table continues on next page

5006	ERROR_RESOURCE_NOT_AVAILABLE The cluster resource is not available.
5007	ERROR_RESOURCE_NOT_FOUND The cluster resource could not be found.
5008	ERROR_SHUTDOWN_CLUSTER The cluster is being shut down.
5009	ERROR_CANT_EVICT_ACTIVE_NODE A cluster node cannot be evicted from the cluster while it is online.
5010	ERROR_OBJECT_ALREADY_EXISTS The object already exists.
5011	ERROR_OBJECT_IN_LIST The object is already in the list.
5012	ERROR_GROUP_NOT_AVAILABLE The cluster group is not available for any new requests.
5013	ERROR_GROUP_NOT_FOUND The cluster group could not be found.
5014	ERROR_GROUP_NOT_ONLINE The operation could not be completed because the cluster group is not online.
5015	ERROR_HOST_NODE_NOT_RESOURCE_OWNER The cluster node is not the owner of the resource.
5016	ERROR_HOST_NODE_NOT_GROUP_OWNER The cluster node is not the owner of the group.
5017	ERROR_RESMON_CREATE_FAILED The cluster resource could not be created in the specified resource monitor.
5018	ERROR_RESMON_ONLINE_FAILED The cluster resource could not be brought online by the resource monitor.
5019	ERROR_RESOURCE_ONLINE The operation could not be completed because the cluster resource is online.
5020	ERROR_QUORUM_RESOURCE The cluster resource could not be deleted or brought offline because it is the quorum resource.
5021	ERROR_NOT_QUORUM_CAPABLE The cluster could not make the specified resource a quorum resource because it is not capable of being a quorum resource.
5022	ERROR_CLUSTER_SHUTTING_DOWN The cluster software is shutting down.
5023	ERROR_INVALID_STATE The group or resource is not in the correct state to perform the requested operation.
5024	ERROR_RESOURCE_PROPERTIES_STORED The properties were stored but not all changes will take effect until the next time the resource is brought online.
5025	ERROR_NOT_QUORUM_CLASS The cluster could not make the specified resource a quorum resource because it does not belong to a shared storage class.
5026	ERROR_CORE_RESOURCE The cluster resource could not be deleted since it is a core resource.
5027	ERROR_QUORUM_RESOURCE_ONLINE_FAILED The quorum resource failed to come online.
5028	ERROR_QUORUMLOG_OPEN_FAILED The quorum log could not be created or mounted successfully.
5029	ERROR_CLUSTERLOG_CORRUPT The cluster log is corrupt.
5030	ERROR_CLUSTERLOG_RECORD_EXCEEDS_MAXSIZE The record could not be written to the cluster log since it exceeds the maximum size.

Table continues on next page

5031	ERROR_CLUSTERLOG_EXCEEDS_MAXSIZE The cluster log exceeds its maximum size.
5032	ERROR_CLUSTERLOG_CHKPOINT_NOT_FOUND No checkpoint record was found in the cluster log.
5033	ERROR_CLUSTERLOG_NOT_ENOUGH_SPACE The minimum required disk space needed for logging is not available.
5035	ERROR_NETWORK_NOT_AVAILABLE A cluster network is not available for this operation.
5036	ERROR_NODE_NOT_AVAILABLE A cluster node is not available for this operation.
5037	ERROR_ALL_NODES_NOT_AVAILABLE All cluster nodes must be running to perform this operation.
5038	ERROR_RESOURCE_FAILED A cluster resource failed.
5039	ERROR_CLUSTER_INVALID_NODE The cluster node is not valid.
5040	ERROR_CLUSTER_NODE_EXISTS The cluster node already exists.
5041	ERROR_CLUSTER_JOIN_IN_PROGRESS A node is in the process of joining the cluster.
5042	ERROR_CLUSTER_NODE_NOT_FOUND The cluster node was not found.
5043	ERROR_CLUSTER_LOCAL_NODE_NOT_FOUND The cluster local node information was not found.
5044	ERROR_CLUSTER_NETWORK_EXISTS The cluster network already exists.
5045	ERROR_CLUSTER_NETWORK_NOT_FOUND The cluster network was not found.
5046	ERROR_CLUSTER_NETINTERFACE_EXISTS The cluster network interface already exists.
5047	ERROR_CLUSTER_NETINTERFACE_NOT_FOUND The cluster network interface was not found.
5048	ERROR_CLUSTER_INVALID_REQUEST The cluster request is not valid for this object.
5049	ERROR_CLUSTER_INVALID_NETWORK_PROVIDER The cluster network provider is not valid.
5050	ERROR_CLUSTER_NODE_DOWN The cluster node is down.
5051	ERROR_CLUSTER_NODE_UNREACHABLE The cluster node is not reachable.
5052	ERROR_CLUSTER_NODE_NOT_MEMBER The cluster node is not a member of the cluster.
5053	ERROR_CLUSTER_JOIN_NOT_IN_PROGRESS A cluster join operation is not in progress.
5054	ERROR_CLUSTER_INVALID_NETWORK The cluster network is not valid.
5056	ERROR_CLUSTER_NODE_UP The cluster node is up.
5057	ERROR_CLUSTER_IPADDR_IN_USE The cluster IP address is already in use.
5058	ERROR_CLUSTER_NODE_NOT_PAUSED The cluster node is not paused.
5059	ERROR_CLUSTER_NO_SECURITY_CONTEXT No cluster security context is available.

Table continues on next page

5060	ERROR_CLUSTER_NETWORK_NOT_INTERNAL The cluster network is not configured for internal cluster communication.
5061	ERROR_CLUSTER_NODE_ALREADY_UP The cluster node is already up.
5062	ERROR_CLUSTER_NODE_ALREADY_DOWN The cluster node is already down.
5063	ERROR_CLUSTER_NETWORK_ALREADY_ONLINE The cluster network is already online.
5064	ERROR_CLUSTER_NETWORK_ALREADY_OFFLINE The cluster network is already offline.
5065	ERROR_CLUSTER_NODE_ALREADY_MEMBER The cluster node is already a member of the cluster.
5066	ERROR_CLUSTER_LAST_INTERNAL_NETWORK The cluster network is the only one configured for internal cluster communication between two or more active cluster nodes. The internal communication capability cannot be removed from the network.
5067	ERROR_CLUSTER_NETWORK_HAS_DEPENDENTS One or more cluster resources depend on the network to provide service to clients. The client access capability cannot be removed from the network.
5068	ERROR_INVALID_OPERATION_ON_QUORUM This operation cannot be performed on the cluster resource as it the quorum resource. The quorum resource cannot be brought offline, or modify its possible owners list cannot be modified.
5069	ERROR_DEPENDENCY_NOT_ALLOWED The cluster quorum resource is not allowed to have any dependencies.
5070	ERROR_CLUSTER_NODE_PAUSED The cluster node is paused.
5071	ERROR_NODE_CANT_HOST_RESOURCE The cluster resource cannot be brought online. The owner node cannot run this resource.
5072	ERROR_CLUSTER_NODE_NOT_READY The cluster node is not ready to perform the requested operation.
5073	ERROR_CLUSTER_NODE_SHUTTING_DOWN The cluster node is shutting down.
5074	ERROR_CLUSTER_JOIN_ABORTED The cluster join operation was aborted.
5075	ERROR_CLUSTER_INCOMPATIBLE_VERSIONS The cluster join operation failed due to incompatible software versions between the joining node and its sponsor.
5076	ERROR_CLUSTER_MAXNUM_OF_RESOURCES_EXCEEDED This resource cannot be created because the cluster has reached the limit on the number of resources it can monitor.
5077	ERROR_CLUSTER_SYSTEM_CONFIG_CHANGED The system configuration changed during the cluster join or form operation. The join or form operation was aborted.
5078	ERROR_CLUSTER_RESOURCE_TYPE_NOT_FOUND The specified resource type was not found.
5079	ERROR_CLUSTER_RESTYPE_NOT_SUPPORTED The specified node does not support a resource of this type. This may be due to version inconsistencies or due to the absence of the resource DLL on this node.
5080	ERROR_CLUSTER_RESNAME_NOT_FOUND The specified resource name is supported by this resource DLL. This may be due to a bad (or changed) name supplied to the resource DLL.
5081	ERROR_CLUSTER_NO_RPC_PACKAGES_REGISTERED No authentication package could be registered with the RPC server.

Table continues on next page

5083	ERROR_CLUSTER_DATABASE_SEQMISMATCH The join operation failed because the cluster database sequence number has changed or is incompatible with the locker node. This may happen during a join operation if the cluster database was changing.
5084	ERROR_RESMON_INVALID_STATE The resource monitor will not allow the fail operation to be performed while the resource is in its current state. This may happen if the resource is in a pending state.
6000	ERROR_ENCRYPTION_FAILED The specified file could not be encrypted.
6001	ERROR_DECRYPTION_FAILED The specified file could not be decrypted.
6002	ERROR_FILE_ENCRYPTED The specified file is encrypted and the user does not have the ability to decrypt it.
6003	ERROR_NO_RECOVERY_POLICY There is no encryption recovery policy configured for this system.
6004	ERROR_NO_EFS The required encryption driver is not loaded for this system.
6005	ERROR_WRONG_EFS The file was encrypted with a different encryption driver than is currently loaded.
6006	ERROR_NO_USER_KEYS There are no EFS keys defined for the user.
6007	ERROR_FILE_NOT_ENCRYPTED The specified file is not encrypted.
6008	ERROR_NOT_EXPORT_FORMAT The specified file is not in the defined EFS export format.
6009	ERROR_FILE_READ_ONLY The specified file is read only.
6118	ERROR_NO_BROWSER_SERVERS_FOUND The list of servers for this workgroup is not currently available.
7001	ERROR_CTX_WINSTATION_NAME_INVALID The specified session name is invalid.
7002	ERROR_CTX_INVALID_PD The specified protocol driver is invalid.
7003	ERROR_CTX_PD_NOT_FOUND The specified protocol driver was not found in the system path.
7004	ERROR_CTX_WD_NOT_FOUND The specified terminal connection driver was not found in the system path.
7005	ERROR_CTX_CANNOT_MAKE_EVENTLOG_ENTRY A registry key for event logging could not be created for this session.
7006	ERROR_CTX_SERVICE_NAME_COLLISION A service with the same name already exists on the system.
7007	ERROR_CTX_CLOSE_PENDING A close operation is pending on the session.
7008	ERROR_CTX_NO_OUTBUF There are no free output buffers available.
7009	ERROR_CTX_MODEM_INF_NOT_FOUND The MODEM.INF file was not found.
7010	ERROR_CTX_INVALID_MODEMNAME The modem name was not found in MODEM.INF.
7011	ERROR_CTX_MODEM_RESPONSE_ERROR The modem did not accept the command sent to it. Verify that the configured modem name matches the attached modem.
7012	ERROR_CTX_MODEM_RESPONSE_TIMEOUT The modem did not respond to the command sent to it. Verify that the modem is properly cabled and powered on.

Table continues on next page

7013	ERROR_CTX_MODEM_RESPONSE_NO_CARRIER Carrier detect has failed or carrier has been dropped due to disconnect.
7014	ERROR_CTX_MODEM_RESPONSE_NO_DIALTONE Dial tone not detected within the required time. Verify that the phone cable is properly attached and functional.
7015	ERROR_CTX_MODEM_RESPONSE_BUSY Busy signal detected at remote site on callback.
7016	ERROR_CTX_MODEM_RESPONSE_VOICE Voice detected at remote site on callback.
7017	ERROR_CTX_TD_ERROR Transport driver error.
7022	ERROR_CTX_WINSTATION_NOT_FOUND The specified session cannot be found.
7023	ERROR_CTX_WINSTATION_ALREADY_EXISTS The specified session name is already in use.
7025	ERROR_CTX_BAD_VIDEO_MODE An attempt has been made to connect to a session whose video mode is not supported by the current client.
7035	ERROR_CTX_GRAPHICS_INVALID The application attempted to enable DOS graphics mode. DOS graphics mode is not supported.
7037	ERROR_CTX_LOGON_DISABLED The user's interactive logon privilege has been disabled. Please contact the administrator.
7038	ERROR_CTX_NOT_CONSOLE The requested operation can be performed only on the system console. This is most often the result of a driver or system DLL requiring direct console access.
7040	ERROR_CTX_CLIENT_QUERY_TIMEOUT The client failed to respond to the server connect message.
7041	ERROR_CTX_CONSOLE_DISCONNECT Disconnecting the console session is not supported.
7042	ERROR_CTX_CONSOLE_CONNECT Reconnecting a disconnected session to the console is not supported.
7044	ERROR_CTX_SHADOW_DENIED The request to shadow another session was denied.
7045	ERROR_CTX_WINSTATION_ACCESS_DENIED The requested session access is denied.
7049	ERROR_CTX_INVALID_WD The specified terminal connection driver is invalid.
7051	ERROR_CTX_SHADOW_DISABLED The requested session is not configured to allow shadowing.
7054	ERROR_CTX_LICENSE_NOT_AVAILABLE The system has reached its licensed logon limit. Please try again later.
7055	ERROR_CTX_LICENSE_CLIENT_INVALID The client that is being used is not licensed to use this system. Logon request is denied.
7056	ERROR_CTX_LICENSE_EXPIRED The system license has expired. Logon request is denied.
8001	FRS_ERR_INVALID_API_SEQUENCE The file replication service API was called incorrectly.
8002	FRS_ERR_STARTING_SERVICE The file replication service cannot be started.
8003	FRS_ERR_STOPPING_SERVICE The file replication service cannot be stopped.

Table continues on next page

8004	FRS_ERR_INTERNAL_API The file replication service API terminated the request.
8005	FRS_ERR_INTERNAL The file replication service terminated the request.
8006	FRS_ERR_SERVICE_COMM The file replication service cannot be contacted.
8007	FRS_ERR_INSUFFICIENT_PRIV The file replication service cannot satisfy the request because the user is not a member of the Administrators group.
8008	FRS_ERR_AUTHENTICATION The file replication service cannot satisfy the request because authenticated RPC is not available.
8009	FRS_ERR_PARENT_INSUFFICIENT_PRIV The file replication service cannot satisfy the request because the user is not a member of Administrators group on the domain controller.
8010	FRS_ERR_PARENT_AUTHENTICATION The file replication service cannot satisfy the request because authenticated RPC is not available on the domain controller.
8011	FRS_ERR_CHILD_TO_PARENT_COMM The file replication service cannot communicate with the file replication service on the domain controller.
8012	FRS_ERR_PARENT_TO_CHILD_COMM The file replication service on the domain controller cannot communicate with the file replication service on this computer.
8013	FRS_ERR_SYSVOL_POPULATE The file replication service cannot populate the system volume because of an internal error.
8014	FRS_ERR_SYSVOL_POPULATE_TIMEOUT The file replication service cannot populate the system volume because of an internal timeout.
8015	FRS_ERR_SYSVOL_IS_BUSY The file replication service cannot process the request. The system volume is busy with a previous request.
8016	FRS_ERR_SYSVOL_DEMOTE The file replication service cannot stop replicating the system volume because of an internal error.
8017	FRS_ERR_INVALID_SERVICE_PARAMETER The file replication service detected an invalid parameter.
8201	ERROR_DS_MEMBERSHIP_EVALUATED_LOCALLY The directory service evaluated group memberships locally.
8202	ERROR_DS_NO_ATTRIBUTE_OR_VALUE The specified directory service attribute or value does not exist.
8203	ERROR_DS_INVALID_ATTRIBUTE_SYNTAX The attribute syntax specified to the directory service is invalid.
8204	ERROR_DS_ATTRIBUTE_TYPE_UNDEFINED The attribute type specified to the directory service is not defined.
8205	ERROR_DS_ATTRIBUTE_OR_VALUE_EXISTS The specified directory service attribute or value already exists.
8206	ERROR_DS_BUSY The directory service is busy.
8207	ERROR_DS_UNAVAILABLE The directory service is unavailable.
8208	ERROR_DS_NO_RIDS_ALLOCATED The directory service was unable to allocate a relative identifier.
8209	ERROR_DS_NO_MORE_RIDS The directory service has exhausted the pool of relative identifiers.

Table continues on next page

8210	ERROR_DS_INCORRECT_ROLE_OWNER The requested operation could not be performed because the directory service is not the master for that type of operation.
8211	ERROR_DS RIDMGR_INIT_ERROR The directory service was unable to initialize the subsystem that allocates relative identifiers.
8212	ERROR_DS_OBJ_CLASS_VIOLATION The requested operation did not satisfy one or more constraints associated with the class of the object.
8213	ERROR_DS_CANT_ON_NON_LEAF The directory service can perform the requested operation only on a leaf object.
8214	ERROR_DS_CANT_ON_RDN The directory service cannot perform the requested operation on the RDN attribute of an object.
8215	ERROR_DS_CANT_MOD_OBJ_CLASS The directory service detected an attempt to modify the object class of an object.
8216	ERROR_DS_CROSS_DOM_MOVE_ERROR The requested cross-domain move operation could not be performed.
8217	ERROR_DS_GC_NOT_AVAILABLE Unable to contact the global catalog server.
8218	ERROR_SHARED_POLICY The policy object is shared and can only be modified at the root.
8219	ERROR_POLICY_OBJECT_NOT_FOUND The policy object does not exist.
8220	ERROR_POLICY_ONLY_IN_DS The requested policy information is only in the directory service.
8221	ERROR_PROMOTION_ACTIVE A domain controller promotion is currently active.
8222	ERROR_NO_PROMOTION_ACTIVE A domain controller promotion is not currently active.
8224	ERROR_DS_OPERATIONS_ERROR An operations error occurred.
8225	ERROR_DS_PROTOCOL_ERROR A protocol error occurred.
8226	ERROR_DS_TIMELIMIT_EXCEEDED The time limit for this request was exceeded.
8227	ERROR_DS_SIZELIMIT_EXCEEDED The size limit for this request was exceeded.
8228	ERROR_DS_ADMIN_LIMIT_EXCEEDED The administrative limit for this request was exceeded.
8229	ERROR_DS_COMPARE_FALSE The compare response was false.
8230	ERROR_DS_COMPARE_TRUE The compare response was true.
8231	ERROR_DS_AUTH_METHOD_NOT_SUPPORTED The requested authentication method is not supported by the server.
8232	ERROR_DS_STRONG_AUTH_REQUIRED A more secure authentication method is required for this server.
8233	ERROR_DS_INAPPROPRIATE_AUTH Inappropriate authentication.
8234	ERROR_DS_AUTH_UNKNOWN The authentication mechanism is unknown.
8235	ERROR_DS_REFERRAL A referral was returned from the server.

Table continues on next page

8236	ERROR_DS_UNAVAILABLE_CRIT_EXTENSION The server does not support the requested critical extension.
8237	ERROR_DS_CONFIDENTIALITY_REQUIRED This request requires a secure connection.
8238	ERROR_DS_INAPPROPRIATE_MATCHING Inappropriate matching.
8239	ERROR_DS_CONSTRAINT_VIOLATION A constraint violation occurred.
8240	ERROR_DS_NO SUCH OBJECT There is no such object on the server.
8241	ERROR_DS_ALIAS_PROBLEM There is an alias problem.
8242	ERROR_DS_INVALID_DN_SYNTAX An invalid dn syntax has been specified.
8243	ERROR_DS_IS LEAF The object is a leaf object.
8244	ERROR_DS_ALIAS_DEREF_PROBLEM There is an alias dereferencing problem.
8245	ERROR_DS_UNWILLING_TO_PERFORM The server is unwilling to process the request.
8246	ERROR_DS_LOOP_DETECT A loop has been detected.
8247	ERROR_DS_NAMING_VIOLATION There is a naming violation.
8248	ERROR_DS_OBJECT_RESULTS_TOO_LARGE The result set is too large.
8249	ERROR_DS_AFFECTS_MULTIPLE_DSAS The operation affects multiple DSAs.
8250	ERROR_DS_SERVER_DOWN The server is not operational.
8251	ERROR_DS_LOCAL_ERROR A local error has occurred.
8252	ERROR_DS_ENCODING_ERROR An encoding error has occurred.
8253	ERROR_DS_DECODING_ERROR A decoding error has occurred.
8254	ERROR_DS_FILTER_UNKNOWN The search filter cannot be recognized.
8255	ERROR_DS_PARAM_ERROR One or more parameters are illegal.
8256	ERROR_DS_NOT_SUPPORTED The specified method is not supported.
8257	ERROR_DS_NO_RESULTS_RETURNED No results were returned.
8258	ERROR_DS_CONTROL_NOT_FOUND The specified control is not supported by the server.
8259	ERROR_DS_CLIENT_LOOP A referral loop was detected by the client.
8260	ERROR_DS_REFERRAL_LIMIT_EXCEEDED The preset referral limit was exceeded.
8301	ERROR_DS_ROOT_MUST_BE_NC The root object must be the head of a naming context. The root object cannot have an instantiated parent.

Table continues on next page

8302	ERROR_DS_ADD_REPLICA_INHIBITED The add replica operation cannot be performed. The naming context must be writable in order to create the replica.
8303	ERROR_DS_ATT_NOT_DEF_IN_SCHEMA A reference to an attribute that is not defined in the schema occurred.
8304	ERROR_DS_MAX_OBJ_SIZE_EXCEEDED The maximum size of an object has been exceeded.
8305	ERROR_DS_OBJ_STRING_NAME_EXISTS An attempt was made to add an object to the directory with a name that is already in use.
8306	ERROR_DS_NO_RDN_DEFINED_IN_SCHEMA An attempt was made to add an object of a class that does not have an RDN defined in the schema.
8307	ERROR_DS_RDN_DOESNT_MATCH_SCHEMA An attempt was made to add an object using an RDN that is not the RDN defined in the schema.
8308	ERROR_DS_NO_REQUESTED_ATTS_FOUND None of the requested attributes were found on the objects.
8309	ERROR_DS_USER_BUFFER_TO_SMALL The user buffer is too small.
8310	ERROR_DS_ATT_IS_NOT_ON_OBJ The attribute specified in the operation is not present on the object.
8311	ERROR_DS_ILLEGAL_MOD_OPERATION Illegal modify operation. Some aspect of the modification is not permitted.
8312	ERROR_DS_OBJ_TOO_LARGE The specified object is too large.
8313	ERROR_DS_BAD_INSTANCE_TYPE The specified instance type is not valid.
8314	ERROR_DS_MASTERDSA_REQUIRED The operation must be performed at the master DSA. The DNS root attribute is missing on the cross-reference object.
8315	ERROR_DS_OBJECT_CLASS_REQUIRED The object class attribute must be specified.
8316	ERROR_DS_MISSING_REQUIRED_ATT A required attribute is missing.
8317	ERROR_DS_ATT_NOT_DEF_FOR_CLASS An attempt was made to modify an object to include an attribute that is not legal for its class.
8318	ERROR_DS_ATT_ALREADY_EXISTS The specified attribute is already present on the object.
8321	ERROR_DS_SINGLE_VALUE_CONSTRAINT An attribute's single value constraint has been violated.
8322	ERROR_DS_RANGE_CONSTRAINT An attribute's range constraint has been violated.
8323	ERROR_DS_ATT_VAL_ALREADY_EXISTS The specified value already exists.
8324	ERROR_DS_CANT_Rem_MISSING_ATT The attribute cannot be removed because it is not present on the object.
8325	ERROR_DS_CANT_Rem_MISSING_ATT_VAL The attribute value cannot be removed because it is not present on the object.
8326	ERROR_DS_ROOT_CANT_BE_SUBREF The specified root object cannot be a subref.
8327	ERROR_DS_NO_CHAINING Chaining is not permitted.

Table continues on next page

8328	ERROR_DS_NO_CHAINED_EVAL Chained evaluation is not permitted.
8329	ERROR_DS_NO_PARENT_OBJECT The operation could not be performed because the object's parent is either uninstantiated or deleted.
8330	ERROR_DS_PARENT_IS_AN_ALIAS Having a parent that is an alias is not permitted. Aliases are leaf objects.
8332	ERROR_DS_CHILDREN_EXIST The operation cannot be performed because child objects exist. This operation can only be performed on a leaf object.
8333	ERROR_DS_OBJ_NOT_FOUND Directory object not found.
8334	ERROR_DS_ALIASED_OBJ_MISSING The aliased object is missing.
8335	ERROR_DS_BAD_NAME_SYNTAX The object name has bad syntax.
8336	ERROR_DS_ALIAS_POINTS_TO_ALIAS It is not permitted for an alias to refer to another alias.
8337	ERROR_DS_CANT_DEREF_ALIAS The alias cannot be dereferenced.
8338	ERROR_DS_OUT_OF_SCOPE The operation is out of scope.
8340	ERROR_DS_CANT_DELETE_DSA_OBJ The DSA object cannot be deleted.
8341	ERROR_DS_GENERIC_ERROR A directory service error has occurred.
8342	ERROR_DS_DSA_MUST_BE_INT_MASTER The operation can only be performed on an internal master DSA object.
8343	ERROR_DS_CLASS_NOT_DSA The object must be of class DSA.
8344	ERROR_DS_INSUFF_ACCESS_RIGHTS Insufficient access rights to perform the operation.
8345	ERROR_DS_ILLEGAL_SUPERIOR The object cannot be added because the parent is not on the list of possible superiors.
8346	ERROR_DS_ATTRIBUTE_OWNED_BY_SAM Access to the attribute is not permitted because the attribute is owned by the Security Accounts Manager (SAM).
8347	ERROR_DS_NAME_TOO_MANY_PARTS The name has too many parts.
8348	ERROR_DS_NAME_TOO_LONG The name is too long.
8349	ERROR_DS_NAME_VALUE_TOO_LONG The name value is too long.
8350	ERROR_DS_NAME_UNPARSEABLE The directory service encountered an error parsing a name.
8351	ERROR_DS_NAME_TYPE_UNKNOWN The directory service cannot get the attribute type for a name.
8352	ERROR_DS_NOT_AN_OBJECT The name does not identify an object, it identifies a phantom.
8353	ERROR_DS_SEC_DESC_TOO_SHORT The security descriptor is too short.
8354	ERROR_DS_SEC_DESC_INVALID The security descriptor is invalid.

Table continues on next page

8355	ERROR_DS_NO_DELETED_NAME Failed to create name for deleted object.
8356	ERROR_DS_SUBREF_MUST_HAVE_PARENT The parent of a new subref must exist.
8357	ERROR_DS_NCNAME_MUST_BE_NC The object must be a naming context.
8358	ERROR_DS_CANT_ADD_SYSTEM_ONLY It is not permitted to add an attribute which is owned by the system.
8359	ERROR_DS_CLASS_MUST_BE_CONCRETE The class of the object must be structural. An abstract class cannot be instantiated.
8360	ERROR_DS_INVALID_DMD The schema object could not be found.
8361	ERROR_DS_OBJ_GUID_EXISTS A local object with this GUID (dead or alive) already exists.
8362	ERROR_DS_NOT_ON_BACKLINK The operation cannot be performed on a back link.
8363	ERROR_DS_NO_CROSSREF_FOR_NC The cross reference for the specified naming context could not be found.
8364	ERROR_DS_SHUTTING_DOWN The operation could not be performed because the directory service is shutting down.
8365	ERROR_DS_UNKNOWN_OPERATION The directory service request is invalid.
8366	ERROR_DS_INVALID_ROLE_OWNER The role owner attribute could not be read.
8367	ERROR_DS_COULDNT_CONTACT_FSMO The requested FSMO operation failed. The current FSMO holder could not be reached.
8368	ERROR_DS_CROSS_NC_DN_RENAME Modification of a DN across a naming context is not permitted.
8369	ERROR_DS_CANT_MOD_SYSTEM_ONLY The attribute cannot be modified because it is owned by the system.
8370	ERROR_DS_REPLICATOR_ONLY Only the replicator can perform this function.
8371	ERROR_DS_OBJ_CLASS_NOT_DEFINED The specified class is not defined.
8372	ERROR_DS_OBJ_CLASS_NOT_SUBCLASS The specified class is not a subclass.
8373	ERROR_DS_NAME_REFERENCE_INVALID The name reference is invalid.
8374	ERROR_DS_CROSS_REF_EXISTS A cross reference already exists.
8375	ERROR_DS_CANT_DEL_MASTER_CROSSREF It is not permitted to delete a master cross reference.
8376	ERROR_DS_SUBTREE_NOTIFY_NOT_NC_HEAD Subtree notifications are only supported on NC heads.
8377	ERROR_DS NOTIFY FILTER TOO COMPLEX Notification filter is too complex.
8378	ERROR_DS_DUP_RDN Schema update failed: duplicate RDN.
8379	ERROR_DS_DUP_OID Schema update failed: duplicate OID.
8380	ERROR_DS_DUP_MAPI_ID Schema update failed: duplicate MAPI identifier.
8381	ERROR_DS_DUP_SCHEMA_ID_GUID Schema update failed: duplicate schema-id GUID.

Table continues on next page

8382	ERROR_DS_DUP_LDAP_DISPLAY_NAME Schema update failed: duplicate LDAP display name.
8383	ERROR_DS_SEMANTIC_ATT_TEST Schema update failed: range-lower less than range upper.
8384	ERROR_DS_SYNTAX_MISMATCH Schema update failed: syntax mismatch.
8385	ERROR_DS_EXISTS_IN_MUST_HAVE Schema deletion failed: attribute is used in must-contain.
8386	ERROR_DS_EXISTS_IN_MAY_HAVE Schema deletion failed: attribute is used in may-contain.
8387	ERROR_DS_NONEXISTENT_MAY_HAVE Schema update failed: attribute in may-contain does not exist.
8388	ERROR_DS_NONEXISTENT_MUST_HAVE Schema update failed: attribute in must-contain does not exist.
8389	ERROR_DS_AUX_CLS_TEST_FAIL Schema update failed: class in aux-class list does not exist or is not an auxiliary class.
8390	ERROR_DS_NONEXISTENT_POSS_SUP Schema update failed: class in poss-superiors does not exist.
8391	ERROR_DS_SUB_CLS_TEST_FAIL Schema update failed: class in subclassof list does not exist or does not satisfy hierarchy rules.
8392	ERROR_DS_BAD_RDN_ATT_ID_SYNTAX Schema update failed: Rdn-Att-Id has wrong syntax.
8393	ERROR_DS_EXISTS_IN_AUX_CLS Schema deletion failed: class is used as auxiliary class.
8394	ERROR_DS_EXISTS_IN_SUB_CLS Schema deletion failed: class is used as sub class.
8395	ERROR_DS_EXISTS_IN_POSS_SUP Schema deletion failed: class is used as poss superior.
8396	ERROR_DS_RECALCSHEMA_FAILED Schema update failed in recalculating validation cache.
8397	ERROR_DS_TREE_DELETE_NOT_FINISHED The tree deletion is not finished.
8398	ERROR_DS_CANT_DELETE The requested delete operation could not be performed.
8399	ERROR_DS_ATT_SCHEMA_REQ_ID Cannot read the governs class identifier for the schema record.
8400	ERROR_DS_BAD_ATT_SCHEMA_SYNTAX The attribute schema has bad syntax.
8401	ERROR_DS_CANT_CACHE_ATT The attribute could not be cached.
8402	ERROR_DS_CANT_CACHE_CLASS The class could not be cached.
8403	ERROR_DS_CANT_REMOVE_ATT_CACHE The attribute could not be removed from the cache.
8404	ERROR_DS_CANT_REMOVE_CLASS_CACHE The class could not be removed from the cache.
8405	ERROR_DS_CANT_RETRIEVE_DN The distinguished name attribute could not be read.
8406	ERROR_DS_MISSING_SUPREF A required subref is missing.
8407	ERROR_DS_CANT_RETRIEVE_INSTANCE The instance type attribute could not be retrieved.

Table continues on next page

8408	ERROR_DS_CODE_INCONSISTENCY An internal error has occurred.
8409	ERROR_DS_DATABASE_ERROR A database error has occurred.
8410	ERROR_DS_GOVERNRSID_MISSING The attribute GOVERNRSID is missing.
8411	ERROR_DS_MISSING_EXPECTED_ATT An expected attribute is missing.
8412	ERROR_DS_NCNAME_MISSING_CR_REF The specified naming context is missing a cross reference.
8413	ERROR_DS_SECURITY_CHECKING_ERROR A security checking error has occurred.
8414	ERROR_DS_SCHEMA_NOT_LOADED The schema is not loaded.
8415	ERROR_DS_SCHEMA_ALLOC_FAILED Schema allocation failed.
8416	ERROR_DS_ATT_SCHEMA_REQ_SYNTAX Failed to obtain the required syntax for the attribute schema.
8417	ERROR_DS_GCVERIFY_ERROR The global catalog verification failed. The global catalog is not available or does not support the operation. Some part of the directory is currently not available.
8418	ERROR_DS_DRA_SCHEMA_MISMATCH The replication operation failed because of a schema mismatch between the servers involved.
8419	ERROR_DS_CANT_FIND_DSA_OBJ The DSA object could not be found.
8420	ERROR_DS_CANT_FIND_EXPECTED_NC The naming context could not be found.
8421	ERROR_DS_CANT_FIND_NC_IN_CACHE The naming context could not be found in the cache.
8422	ERROR_DS_CANT_RETRIEVE_CHILD The child object could not be retrieved.
8423	ERROR_DS_SECURITY_ILLEGAL MODIFY The modification was not permitted for security reasons.
8424	ERROR_DS_CANT_REPLACE_HIDDEN_REC The operation cannot replace the hidden record.
8425	ERROR_DS_BAD_HIERARCHY_FILE The hierarchy file is invalid.
8426	ERROR_DS_BUILD_HIERARCHY_TABLE FAILED The attempt to build the hierarchy table failed.
8427	ERROR_DS_CONFIG_PARAM_MISSING The directory configuration parameter is missing from the registry.
8428	ERROR_DS_COUNTING_AB_INDICES FAILED The attempt to count the address book indices failed.
8429	ERROR_DS_HIERARCHY_TABLE_MALLOC FAILED The allocation of the hierarchy table failed.
8430	ERROR_DS_INTERNAL_FAILURE The directory service encountered an internal failure.
8431	ERROR_DS_UNKNOWN_ERROR The directory service encountered an unknown failure.
8432	ERROR_DS_ROOTQUIRES_CLASS_TOP A root object requires a class of 'top'.

Table continues on next page

8435	ERROR_DS_UNABLE_TO_SURRENDER_ROLES The directory service was unable to transfer ownership of one or more floating single-master operation roles to other servers.
8436	ERROR_DS_DRA_GENERIC The replication operation failed.
8437	ERROR_DS_DRA_INVALID_PARAMETER An invalid parameter was specified for this replication operation.
8438	ERROR_DS_DRA_BUSY The Windows directory service is too busy to complete the replication operation at this time.
8439	ERROR_DS_DRA_BAD_DN The distinguished name specified for this replication operation is invalid.
8440	ERROR_DS_DRA_BAD_NC The naming context specified for this replication operation is invalid.
8441	ERROR_DS_DRA_DN_EXISTS The distinguished name specified for this replication operation already exists.
8442	ERROR_DS_DRA_INTERNAL_ERROR The replication system encountered an internal error.
8443	ERROR_DS_DRA_INCONSISTENT_DIT The replication operation encountered a database inconsistency.
8444	ERROR_DS_DRA_CONNECTION_FAILED The server specified for this replication operation could not be contacted.
8445	ERROR_DS_DRA_BAD_INSTANCE_TYPE The replication operation encountered an object with an invalid instance type.
8446	ERROR_DS_DRA_OUT_OF_MEM The replication operation failed to allocate memory.
8447	ERROR_DS_DRA_MAIL_PROBLEM The replication operation encountered an error with the mail system.
8448	ERROR_DS_DRA_REF_ALREADY_EXISTS The replication reference information for the target server already exists.
8449	ERROR_DS_DRA_REF_NOT_FOUND The replication reference information for the target server does not exist.
8450	ERROR_DS_DRA_OBJ_IS_REP_SOURCE The naming context cannot be removed because it is replicated to another server.
8451	ERROR_DS_DRA_DB_ERROR The replication operation encountered a database error.
8452	ERROR_DS_DRA_NO_REPLICA The naming context is in the process of being removed or is not replicated from the specified server.
8453	ERROR_DS_DRA_ACCESS_DENIED Replication access was denied.
8454	ERROR_DS_DRA_NOT_SUPPORTED The requested operation is not supported by this version of the Windows directory service.
8455	ERROR_DS_DRA_RPC_CANCELLED The replication remote procedure call was cancelled.
8456	ERROR_DS_DRA_SOURCE_DISABLED The source server is currently rejecting replication requests.
8457	ERROR_DS_DRA_SINK_DISABLED The destination server is currently rejecting replication requests.
8458	ERROR_DS_DRA_NAME_COLLISION The replication operation failed due to a collision of object names.
8459	ERROR_DS_DRA_SOURCE_REINSTALLED The replication source has been reinstalled.

Table continues on next page

8460	ERROR_DS_DRA_MISSING_PARENT The replication operation failed because a required parent object is missing.
8461	ERROR_DS_DRA_PREEMPTED The replication operation was preempted.
8462	ERROR_DS_DRA_ABANDON_SYNC The replication synchronization attempt was abandoned because of a lack of updates.
8463	ERROR_DS_DRA_SHUTDOWN The replication operation was terminated because the system is shutting down.
8464	ERROR_DS_DRA_INCOMPATIBLE_PARTIAL_SET The replication synchronization attempt failed as the destination partial attribute set is not a subset of source partial attribute set.
8465	ERROR_DS_DRA_SOURCE_IS_PARTIAL_REPLICA The replication synchronization attempt failed because a master replica attempted to sync from a partial replica.
8467	ERROR_DS_INSTALL_SCHEMA_MISMATCH A schema mismatch is detected between the source and the build used during a replica install. The replica cannot be installed.
8468	ERROR_DS_DUP_LINK_ID Schema update failed: An attribute with the same link identifier already exists.
8469	ERROR_DS_NAME_ERROR_RESOLVING Name translation: Generic processing error.
8470	ERROR_DS_NAME_ERROR_NOT_FOUND Name translation: Could not find the name or insufficient right to see name.
8471	ERROR_DS_NAME_ERROR_NOT_UNIQUE Name translation: Input name mapped to more than one output name.
8474	ERROR_DS_NAME_ERROR_NO_SYNTACTICAL_MAPPING Name translation: Unable to perform purely syntactical mapping at the client without going out to the wire.
8475	ERROR_DS_CONSTRUCTED_ATT_MOD Modification of a constructed att is not allowed.
8476	ERROR_DS_WRONG_OM_OBJ_CLASS The OM-Object-Class specified is incorrect for an attribute with the specified syntax.
8477	ERROR_DS_DRA_REPL_PENDING The replication request has been posted; waiting for reply.
8479	ERROR_DS_INVALID_LDAP_DISPLAY_NAME The LDAP display name of the class or attribute contains non-ASCII characters.
8480	ERROR_DS_NON_BASE_SEARCH The requested search operation is only supported for base searches.
8481	ERROR_DS_CANT_RETRIEVE_ATTS The search failed to retrieve attributes from the database.
8482	ERROR_DS_BACKLINK_WITHOUT_LINK The schema update operation tried to add a backward link attribute that has no corresponding forward link.
8483	ERROR_DS_EPOCH_MISMATCH Source and destination of a cross domain move do not agree on the object's epoch number. Either source or destination does not have the latest version of the object.
8484	ERROR_DS_SRC_NAME_MISMATCH Source and destination of a cross domain move do not agree on the object's current name. Either source or destination does not have the latest version of the object.
8485	ERROR_DS_SRC_AND_DST_NC_IDENTICAL Source and destination of a cross domain move operation are identical. Caller should use local move operation instead of cross domain move operation.
8486	ERROR_DS_DST_NC_MISMATCH Source and destination for a cross domain move are not in agreement on the naming contexts in the forest. Either source or destination does not have the latest version of the Partitions container.

Table continues on next page

8487	ERROR_DS_NOT_AUTHORITIVE_FOR_DST_NC Destination of a cross domain move is not authoritative for the destination naming context.
8488	ERROR_DS_SRC_GUID_MISMATCH Source and destination of a cross domain move do not agree on the identity of the source object. Either source or destination does not have the latest version of the source object.
8489	ERROR_DS_CANT_MOVE_DELETED_OBJECT Object being moved across domains is already known to be deleted by the destination server. The source server does not have the latest version of the source object.
8490	ERROR_DS_PDC_OPERATION_IN_PROGRESS Another operation which requires exclusive access to the PDC PSMO is already in progress.
8491	ERROR_DS_CROSS_DOMAIN_CLEANUP_REQD A cross domain move operation failed such that the two versions of the moved object exist - one each in the source and destination domains. The destination object needs to be removed to restore the system.
8495	ERROR_DS_CR_IMPOSSIBLE_TO_VALIDATE The directory cannot validate the proposed naming context name because it does not hold a replica of the naming context above the proposed naming context.
8496	ERROR_DS_DST_DOMAIN_NOT_NATIVE Destination of a cross domain move must be in native mode.
8497	ERROR_DS_MISSING_INFRASTRUCTURE_CONTAINER The operation cannot be performed because the server does not have an infrastructure container in the domain of interest.
8498	ERROR_DS_CANT_MOVE_ACCOUNT_GROUP Cross domain move of account groups is not allowed.
8499	ERROR_DS_CANT_MOVE_RESOURCE_GROUP Cross domain move of resource groups is not allowed.
8500	ERROR_DS_INVALID_SEARCH_FLAG The search flags for the attribute are invalid. The ANR bit is valid only on attributes of Unicode or Teletex strings.
8501	ERROR_DS_NO_TREE_DELETE_ABOVE_NC Tree deletions starting at an object which has an NC head as a descendant are not allowed.
8502	ERROR_DS_COULDNT_LOCK_TREE_FOR_DELETE The directory service failed to lock a tree in preparation for a tree deletion because the tree was in use.
8503	ERROR_DS_COULDNT_IDENTIFY_OBJECTS_FOR_TREE_DELETE The directory service failed to identify the list of objects to delete while attempting a tree deletion.
8505	ERROR_DS_SENSITIVE_GROUP_VIOLATION Only an administrator can modify the membership list of an administrative group.
8506	ERROR_DS_CANT_MOD_PRIMARYGROUPID Cannot change the primary group ID of a domain controller account.
9001	DNS_ERROR_RCODE_FORMAT_ERROR DNS server unable to interpret format.
9002	DNS_ERROR_RCODE_SERVER_FAILURE DNS server failure.
9003	DNS_ERROR_RCODE_NAME_ERROR DNS name does not exist.
9004	DNS_ERROR_RCODE_NOT_IMPLEMENTED DNS request not supported by name server.
9005	DNS_ERROR_RCODE_REFUSED DNS operation refused.
9009	DNS_ERROR_RCODE_NOTAUTH DNS server not authoritative for zone.

Table continues on next page

9010	DNS_ERROR_RCODE_NOTZONE DNS name in update or prereq is not in zone.
9016	DNS_ERROR_RCODE_BADSIG DNS signature failed to verify.
9017	DNS_ERROR_RCODE_BADKEY DNS bad key.
9018	DNS_ERROR_RCODE_BADTIME DNS signature validity expired.
9501	DNS_INFO_NO_RECORDS No records found for given DNS query.
9502	DNS_ERROR_BAD_PACKET Bad DNS packet.
9503	DNS_ERROR_NO_PACKET No DNS packet.
9505	DNS_ERROR_UNSECURE_PACKET Unsecured DNS packet.
9551	DNS_ERROR_INVALID_TYPE Invalid DNS type.
9552	DNS_ERROR_INVALID_IP_ADDRESS Invalid IP address.
9553	DNS_ERROR_INVALID_PROPERTY Invalid property.
9554	DNS_ERROR_TRY AGAIN LATER Try DNS operation again later.
9555	DNS_ERROR_NOT_UNIQUE Record for given name and type is not unique.
9556	DNS_ERROR_NON RFC NAME DNS name does not comply with RFC specifications.
9557	DNS_STATUS_FQDN DNS name is a fully-qualified DNS name.
9558	DNS_STATUS_DOTTED_NAME DNS name is dotted (multi-label).
9559	DNS_STATUS_SINGLE_PART_NAME DNS name is a single-part name.
9601	DNS_ERROR_ZONE_DOES NOT_EXIST DNS zone does not exist.
9602	DNS_ERROR_NO_ZONE_INFO DNS zone information not available.
9603	DNS_ERROR_INVALID_ZONE_OPERATION Invalid operation for DNS zone.
9604	DNS_ERROR_ZONE_CONFIGURATION_ERROR Invalid DNS zone configuration.
9605	DNS_ERROR_ZONE_HAS_NO_SOA_RECORD DNS zone has no start of authority (SOA) record.
9606	DNS_ERROR_ZONE_HAS_NO_NS_RECORDS DNS zone has no name server (NS) record.
9607	DNS_ERROR_ZONE_LOCKED DNS zone is locked.
9608	DNS_ERROR_ZONE_CREATION FAILED DNS zone creation failed.
9609	DNS_ERROR_ZONE_ALREADY_EXISTS DNS zone already exists.
9610	DNS_ERROR_AUTOZONE_ALREADY_EXISTS DNS automatic zone already exists.

Table continues on next page

9611	DNS_ERROR_INVALID_ZONE_TYPE Invalid DNS zone type.
9612	DNS_ERROR_SECONDARY_REQUIRES_MASTER_IP Secondary DNS zone requires master IP address.
9613	DNS_ERROR_ZONE_NOT_SECONDARY DNS zone not secondary.
9614	DNS_ERROR_NEED_SECONDARY_ADDRESSES Need secondary IP address.
9615	DNS_ERROR_WINS_INIT_FAILED WINS initialization failed.
9616	DNS_ERROR_NEED_WINS_SERVERS Need WINS servers.
9617	DNS_ERROR_NBSTAT_INIT_FAILED NBTSTAT initialization call failed.
9618	DNS_ERROR_SOA_DELETE_INVALID Invalid delete of start of authority (SOA).
9651	DNS_ERROR_PRIMARY_REQUIRES_DATAFILE Primary DNS zone requires datafile.
9652	DNS_ERROR_INVALID_DATAFILE_NAME Invalid datafile name for DNS zone.
9653	DNS_ERROR_DATAFILE_OPEN_FAILURE Failed to open datafile for DNS zone.
9654	DNS_ERROR_FILE_WRITEBACK_FAILED Failed to write datafile for DNS zone.
9655	DNS_ERROR_DATAFILE_PARSING Failure while reading datafile for DNS zone.
9701	DNS_ERROR_RECORD_DOES_NOT_EXIST DNS record does not exist.
9702	DNS_ERROR_RECORD_FORMAT DNS record format error.
9703	DNS_ERROR_NODE_CREATION_FAILED Node creation failure in DNS.
9704	DNS_ERROR_UNKNOWN_RECORD_TYPE Unknown DNS record type.
9705	DNS_ERROR_RECORD_TIMED_OUT DNS record timed out.
9706	DNS_ERROR_NAME_NOT_IN_ZONE Name not in DNS zone.
9707	DNS_ERROR_CNAME_LOOP CNAME loop detected.
9708	DNS_ERROR_NODE_IS_CNAME Node is a CNAME DNS record.
9709	DNS_ERROR_CNAME_COLLISION A CNAME record already exists for given name.
9710	DNS_ERROR_RECORD_ONLY_AT_ZONE_ROOT Record only at DNS zone root.
9711	DNS_ERROR_RECORD_ALREADY_EXISTS DNS record already exists.
9712	DNS_ERROR_SECONDARY_DATA Secondary DNS zone data error.
9713	DNS_ERROR_NO_CREATE_CACHE_DATA Could not create DNS cache data.
9714	DNS_ERROR_NAME_DOES_NOT_EXIST DNS name does not exist.

Table continues on next page

9715	DNS_WARNING_PTR_CREATE_FAILED Could not create pointer (PTR) record.
9716	DNS_WARNING_DOMAIN_UNDELETED DNS domain was undeleted.
9717	DNS_ERROR_DS_UNAVAILABLE The Windows directory service is unavailable.
9718	DNS_ERROR_DS_ZONE_ALREADY_EXISTS DNS zone already exists in Windows directory service.
9719	DNS_ERROR_NO_BOOTFILE_IF_DS_ZONE DNS server not creating or reading the boot file for the directory service integrated DNS zone.
9751	DNS_INFO_AXFR_COMPLETE DNS AXFR (zone transfer) complete.
9752	DNS_ERROR_AXFR DNS zone transfer failed.
9753	DNS_INFO_ADDED_LOCAL_WINS Added local WINS server.
9801	DNS_STATUS_CONTINUE_NEEDED Secure update call needs to continue update request.
9851	DNS_ERROR_NO_TCPIP TCP/IP network protocol not installed.
9852	DNS_ERROR_NO_DNS_SERVERS No DNS servers configured for local system.
10004	WSAEINTR A blocking operation was interrupted by a call to WSACancelBlockingCall.
10009	WSAEBADF The file handle supplied is not valid.
10013	WSAEACCES An attempt was made to access a socket in a way forbidden by its access permissions.
10014	WSAEFAULT The system detected an invalid pointer address in attempting to use a pointer argument in a call.
10022	WSAEINVAL An invalid argument was supplied.
10024	WSAEMFILE Too many open sockets.
10035	WSAEWOULDBLOCK A non-blocking socket operation could not be completed immediately.
10036	WSAEINPROGRESS A blocking operation is currently executing.
10037	WSAEALREADY An operation was attempted on a non-blocking socket that already had an operation in progress.
10038	WSAENOTSOCK An operation was attempted on something that is not a socket.
10039	WSAEDESTADDRREQ A required address was omitted from an operation on a socket.
10041	WSAEPROTOTYPE A protocol was specified in the socket function call that does not support the semantics of the socket type requested.
10044	WSAESOCKTNOSUPPORT The support for the specified socket type does not exist in this address family.
10045	WSAEOPNOTSUPP The attempted operation is not supported for the type of object referenced.

Table continues on next page

10046	WSAEPFNOSUPPORT The protocol family has not been configured into the system or no implementation for it exists.
10047	WSAEAFNOSUPPORT An address incompatible with the requested protocol was used.
10048	WSAEADDRINUSE Only one usage of each socket address (protocol/network address/port) is normally permitted.
10049	WSAEADDRNOTAVAIL The requested address is not valid in its context.
10050	WSAENETDOWN A socket operation encountered a dead network.
10051	WSAENETUNREACH A socket operation was attempted to an unreachable network.
10052	WSAENETRESET The connection has been broken due to keep-alive activity detecting a failure while the operation was in progress.
10053	WSAECONNABORTED An established connection was aborted by the software in your host machine.
10054	WSAECONNRESET An existing connection was forcibly closed by the remote host.
10055	WSAENOBUFS An operation on a socket could not be performed because the system lacked sufficient buffer space or because a queue was full.
10056	WSAEISCONN A connect request was made on an already connected socket.
10057	WSAENOTCONN A request to send or receive data was disallowed because the socket is not connected and (when sending on a datagram socket using a sendto call) no address was supplied.
10058	WSAESHUTDOWN A request to send or receive data was disallowed because the socket had already been shut down in that direction with a previous shutdown call.
10059	WSAETOOMANYREFS Too many references to some kernel object.
10061	WSAECONNREFUSED No connection could be made because the target machine actively refused it.
10062	WSAELOOP Cannot translate name.
10063	WSAENAMETOOLONG Name component or name was too long.
10064	WSAEHOSTDOWN A socket operation failed because the destination host was down.
10065	WSAEHOSTUNREACH A socket operation was attempted to an unreachable host.
10066	WSAENOTEMPTY Cannot remove a directory that is not empty.
10067	WSAEPROCLIM A Windows Sockets implementation may have a limit on the number of applications that may use it simultaneously.
10068	WSAEUSERS Ran out of quota.
10069	WSAEDQUOT Ran out of disk quota.
10070	WSAESTALE File handle reference is no longer available.

Table continues on next page

10071	WSAEREMOTE Item is not available locally.
10091	WSASYSNOTREADY WSAStartup cannot function at this time because the underlying system it uses to provide network services is currently unavailable.
10092	WSAVERNOTSUPPORTED The Windows Sockets version requested is not supported.
10101	WSAEDISCON Returned by WSARecv or WSARcvFrom to indicate the remote party has initiated a graceful shutdown sequence.
10102	WSAENOMORE No more results can be returned by WSALookupServiceNext.
10103	WSAECANCELLED A call to WSALookupServiceEnd was made while this call was still processing. The call has been canceled.
10104	WSAEINVALIDPROCTABLE The procedure call table is invalid.
10105	WSAEINVALIDPROVIDER The requested service provider is invalid.
10106	WSAEPROVIDERFAILEDINIT The requested service provider could not be loaded or initialized.
10107	WSASYSCALLFAILURE A system call that should never fail has failed.
10108	WSASERVICE_NOT_FOUND No such service is known. The service cannot be found in the specified name space.
10109	WSATYPE_NOT_FOUND The specified class was not found.
10110	WSA_E_NO_MORE No more results can be returned by WSALookupServiceNext.
10111	WSA_E_CANCELLED A call to WSALookupServiceEnd was made while this call was still processing. The call has been canceled.
10112	WSAEREFUSED A database query failed because it was actively refused.
11001	WSAHOST_NOT_FOUND No such host is known.
11002	WSATRY AGAIN This is usually a temporary error during hostname resolution and means that the local server did not receive a response from an authoritative server.
11003	WSANO_RECOVERY A non-recoverable error occurred during a database lookup.
11005	WSA_QOS_RECEIVERS At least one reserve has arrived.
11006	WSA_QOS_SENDERS At least one path has arrived.
11007	WSA_QOS_NO_SENDERS There are no senders.
11008	WSA_QOS_NO_RECEIVERS There are no receivers.
11009	WSA_QOS_REQUEST_CONFIRMED Reserve has been confirmed.
11010	WSA_QOS_ADMISSION_FAILURE Error due to lack of resources.
11011	WSA_QOS_POLICY_FAILURE Rejected for administrative reasons, bad credentials.

Table continues on next page

11012	WSA_QOS_BAD_STYLE Unknown or conflicting style.
11013	WSA_QOS_BAD_OBJECT Problem with some part of the filterspec or providerspecific buffer in general.
11014	WSA_QOS_TRAFFIC_CTRL_ERROR Problem with some part of the flowspec.
11015	WSA_QOS_GENERIC_ERROR General QOS error.

4.6 Data Transfer Status Codes

4.6.1 DDE Status Codes

0	DMLERR_NO_ERROR
16384	DMLERR_ADVACKTIMEOUT
16385	DMLERR_BUSY
16386	DMLERR_DATAACKTIMEOUT
16387	DMLERR_DLL_NOT_INITIALIZED
16388	DMLERR_DLL_USAGE
16389	DMLERR_EXECACKTIMEOUT
16390	DMLERR_INVALID_PARAMETER
16391	DMLERR_LOW_MEMORY
16392	DMLERR_MEMORY_ERROR
16393	DMLERR_NOTPROCESSED
16394	DMLERR_NO_CONV_ESTABLISHED
16395	DMLERR_POKEACKTIMEOUT
16396	DMLERR_POSTMSG_FAILED
16397	DMLERR_REENTRANCY
16398	DMLERR_SERVER_DIED
16399	DMLERR_SYS_ERROR
16400	DMLERR_UNADVACKTIMEOUT
16401	DMLERR_UNFOUND_QUEUE_ID
20483	DMLERR_ITEM_TOO_LONG

4.6.2 ODBC Status Codes

-1	SQL_ERROR
0	SQL_SUCCESS
1	SQL_SUCCESS_WITH_INFO
2	SQL_STILL_EXECUTING
99	SQL_NEED_DATA
100	SQL_NO_DATA_FOUND
2001	SQL_UNSUPPORTED_DATATYPE

4.6.3 ODBC Error Codes

01000	General warning
01002	Disconnect error
01004	Data truncated
01006	Privilege not revoked
01S02	Option value changed
01S03	No rows updated or deleted
01S04	More than one row updated or deleted
07001	Wrong number of parameters
07006	Restricted data type attribute violation
08001	Unable to connect to data source
08002	Connection in use
08003	Connection not open
08004	Data source rejected establishment of connection
08007	Connection failure during transaction
08S01	Communication link failure
21S01	Insert value list does not match column list
21S02	Degree of derived table does not match column list
22003	Numeric value out of range
22005	Error in assignment
22008	Datetime field overflow
22012	Division by zero
23000	Integrity constraint violation
24000	Invalid cursor state
25000	Invalid transaction state
28000	Invalid authorization specification
34000	Invalid cursor name
37000	Syntax error or access violation
40001	Serialization failure
42000	Syntax error or access violation
IM001	Driver does not support this function
IM002	Data source name not found and no default driver specified
IM003	Specified driver could not be loaded
IM004	Driver's SQLAllocEnv failed
IM005	Driver's SQLAllocConnect failed
IM006	Driver's SQLSetConnect-Option failed
IM009	Unable to load translation DLL
IM013	Trace file error
S0001	Base table or view already exists
S0002	Base table not found
S0011	Index already exists
S0012	Index not found
S0021	Column already exists

Table continues on next page

S0022	Column not found
S1000	General error
S1001	Memory allocation failure
S1002	Invalid column number
S1003	Program type out of range
S1008	Operation cancelled
S1009	Invalid argument value
S1010	Function sequence error
S1011	Operation invalid at this time
S1012	Invalid transaction operation code specified
S1090	Invalid string or buffer length
S1092	Option type out of range
S1109	Invalid cursor position
S1C00	Driver not capable
S1T00	Timeout expire

4.7 Status Codes Transmitted by NET to External Devices

4.7.1 Status Codes Transmitted by NET to a PLC

0	OK_STS
10H	NET_NETWORK_LAYER_ERROR_STS PLC Error word = 81 a) Error in the reception of an ABM command b) ABM transmission error in STA-STA communication
20H	NET_APPLICATION_LAYER_ERROR_STS PLC Error word = 82 ABM-SCM transformation error, probably memory area definition error.
30H	SPLIT_TOTAL_FAIL_STS PLC Error word = 83 NET failed to forward a message to the original destination (i.e. the DST of the original message) and all secondary destinations or at least one secondary destination (depending on value of SP-attribute).
31H	SPLIT_NEAR_TOTAL_FAIL_STS INTERNAL Status Code: NET failed to forward a message to the original destination (i.e. the DST of the original message) but message is forwarded at least to one (not all) secondary destination. Depending on the value of SP-attribute, the Status Code sent to substation may be: SP=1 ==> SPLIT_TOTAL_FAIL_ SP=2 ==> OK_STS SP=3 ==> SPLIT_TOTAL_FAIL_STS SP=4 ==> SPLIT_ORIG_DEST_FAIL_STS (Not implemented yet) SP=5 ==> SPLIT_ORIG_DEST_FAIL_STS (Not implemented yet)
40H	SPLIT_ORIG_DEST_FAIL_STS PLC Error word = 84 NET failed to forward a message to the original destination (i.e. the DST of the original message). Depending on the value of SP-attribute, message must be forwarded to all secondary destinations or at least to one secondary destination.

Table continues on next page

50H	SPLIT_SEC_DEST_FAIL_STS PLC Error word = 85 Message must be forwarded to the original destination (i.e. the DST of the original message), but failed to forward it to all secondary destinations or at least one secondary destination (depending on the value of SP-attribute).
51H	SPLIT_NEAR_SEC_DEST_FAIL_STS INTERNAL Status Code: Message must be forwarded to the original destination (i.e. the DST of the original message) and at least to one (not all) secondary destination. Depending on the value of SP-attribute, the Status Code sent to substation may be: SP=1 ==> SPLIT_SEC_DESTL_FAIL_STS SP=2 ==> OK_STS SP=3 ==> OK_STS SP=4 ==> OK_STS (Not implemented yet) SP=5 ==> OK_STS (Not implemented yet)
60H	SCM_MESSAGE_FORWARDING_FAILURE PLC Error word = 86 a) SCM message transmission error b) SCM message routing error c) SCM message handling error in SCS rev 6.2 and earlier
70H	PROC_SCM_MESSAGE_ERROR PLC Error word = 87 Generated by SCS program (rev 7.0 and later) in certain error situations.
0C0H	INVALID_SCM_MESSAGE_ERROR PLC Error word = 8C a) The PLC is undefined in NET b) The PLC does not have the station address defined in NET c) The PLC is not in use
0D0H	INVALID_COMMAND_DESTINATION_STS PLC Error word = 8D a) The destination device is undefined in NET b) The destination device does not have the station address defined in NET c) The destination line is undefined in NET d) The destination line is not in use
0E0H	INVALID_DESTINATION_STATION_TYPE_STS PLC Error word = 8E Destination device is not STA, SYS or NET.

Hitachi ABB Power Grids
Grid Automation Products
PL 688
65101 Vaasa, Finland



Scan this QR code to visit our website

<https://hitachiabb-powergrids.com/microscadax>