NEC Storage

Empowered by Innovation   NEC

NEC Storage Manager

Messages Handbook

IS010-12E

Preface

This manual explains messages handled by NEC Storage Manager.   The messages are listed in the order of message IDs.   Refer to the "NEC Storage Manager Manual Guide" (IS901) for the overview of the NEC Storage and the related manuals.

Remarks 1. This manual explains functions implemented by the following program products:
- NEC Storage Manager and NEC Storage BaseProduct
- NEC Storage AccessControl
- NEC Storage PerformanceMonitor
- NEC Storage PerformanceOptimizer
- NEC Storage ReallocationControl
- NEC Storage ReplicationControl
- NEC Storage ReplicationControl/DisasterRecovery
- NEC Storage ReplicationControl SQL Option

2. This manual is applicable to the program products of the following versions:
- NEC Storage Manager Ver3.3
- NEC Storage BaseProduct Ver3.3
- NEC Storage ReplicationControl Ver3.3
- NEC Storage ReplicationControl/DisasterRecovery Ver3.3
- NEC Storage ReplicationControl SQL Option Ver3.2
- NEC Storage SnapControl Ver3.3

3. The NEC Storage Manager is referred to as iSM or Storage Manager in the text of this manual.   Also, the NEC Storage series disk array subsystem is referred to as a disk array.

4. The following descriptions in the text of this manual refer to the corresponding products.

Description	Corresponding Product
Storage Manager	NEC Storage Manager
BaseProduct	NEC Storage BaseProduct
ReplicationControl SQL Option	NEC Storage ReplicationControl SQL Option
AccessControl	NEC Storage AccessControl
DynamicDataReplication	NEC Storage DynamicDataReplication
PerformanceMonitor	NEC Storage PerformanceMonitor
RemoteDataReplication	NEC Storage RemoteDataReplication
	NEC Storage RemoteDataReplication/DisasterRecovery
ReplicationControl	NEC Storage ReplicationControl
	NEC Storage ReplicationControl/DisasterRecovery
SnapControl	NEC Storage SnapControl

5. The following descriptions in the text of this manual refer to the corresponding manuals.

Description	Corresponding Manual
User's Manual (UNIX)	NEC Storage Manager User's Manual (UNIX) (IS001)
User's Manual	NEC Storage Manager User's Manual (IS004)
Data Replication User's Manual (Function Guide)	NEC Storage Data Replication User's Manual (Function Guide) (IS015)
Data Replication User's Manual (Installation and Operation Guide for Windows) (IS016)	NEC Storage Data Replication User's Manual (Installation and Operation Guide for Windows) (IS016)
Data Replication Command Reference	NEC Storage Data Replication Command Reference (IS021)

6. The term "Microsoft SQL Server 2000" in this text refers to as either Microsoft SQL Server 2000 Enterprise Edition or the Microsoft SQL Server 2000 Standard Edition.

7. Trademarks and registered trademarks

- HP-UX is a registered trademark of Hewlett-Packard Co. in the United States.

- UNIX is a registered trademark of The Open Group in the United States and other countries.

- Microsoft® and Windows® are trademarks or registered trademarks of Microsoft Corporation in the United States and other countries.

- Solaris is a trademark or a registered trademark of Sun Microsystems, Inc. in the United States and other countries.

- Linux is a trademark or registered trademark of Mr. Linus Torvalds in the United States and other countries.

Other product names and company names, etc. are registered trademarks or trademarks of the associated companies.

The First Edition in May 2002

The Twelfth Edition in November 2004

Contents

This page is intentionally left blank.

Chapter 1 Messages and Output Destinations

The Storage Manager outputs the information, which is required for maintenance and operation of a disk array and the Storage Manager, to log files of the console/terminal and the management server.   The log files to which a message is output are syslog, event log, and operation log.   The message describes information that indicates events to be reported to an administrator, such as system state transition, fault and error detection, and command input results.

The ReplicationControl outputs the operation information of data replication in a message format, to the log files of the console/terminal and the business server.   The message is output to syslog, event log, and operation log. The message describes the information for checking operating conditions, such as command execution results, and fault and error detection information, etc.

If ESMPRO Agent has been installed in the management server on which the Storage Manager has started, messages are output to ESMPRO Manager.
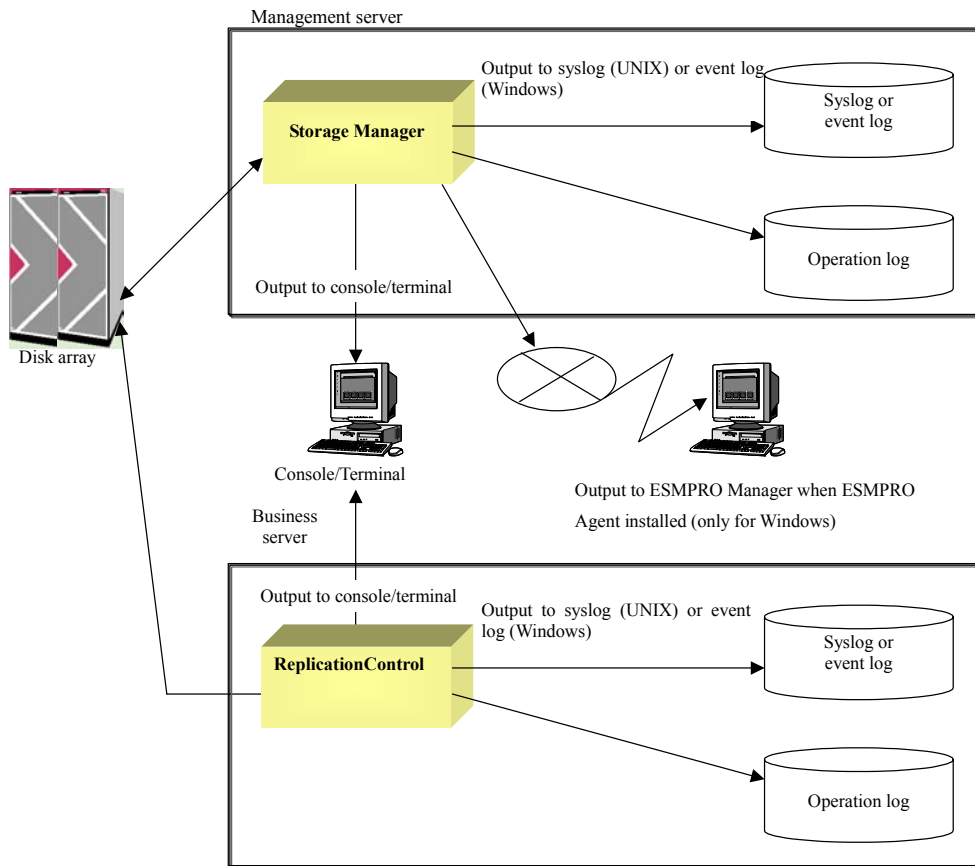
Figure 1-1 shows an overview of message output.

Figure 1-1   Overview of Message Output

2

1.1 Message Classification

A message classification is assigned to a message, according to its level of urgency. Messages are classified into the following four classifications, in the order of urgency: "ERROR", "WARNING", "NOTICE", and "INFO". A message classification is also referred to as a message level.

Meanings of the messages are as follows:

• ERROR: Error message

This message indicates an error that has a critical effect to the functions, and prompt recovery by an administrator is required. An administrator must troubleshoot and recover the system promptly.

• WARNING: Warning message

This message indicates an event that requires attention regarding the system operations, though the event does not necessarily lead to the system down immediately. An administrator must remove the cause of the event and take measures to operate the system normally.

• NOTICE: Notifying message

This message notifies the state of internal processes. Although the event notified by the message does not have any effect on the main functions of disk arrays, an administrator must take appropriate measures as necessary.

• INFO: Information message

This message indicates operating information. No measures are required.

3

1.2   Message Output Destinations

The output destinations of messages depend on functions and OS to be used.   Output destinations are the console/terminal, operation log, syslog, event log, and ESMPRO Manager.   Message output destinations are described as follows:

• Console/Terminal

  A console is a monitoring terminal that is directly connected to the monitoring server of the iSM. On the other hand, a terminal is a client terminal that is connected to the monitoring server via telnet, etc.   When a command is issued from the iSM or the ReplicationControl, a message indicating execution result is displayed on the console or the terminal where the command is executed.

• Operation log

  Operation log, which is output on UNIX and Windows, records the messages output from the iSM or the ReplicationControl only.   During the operation of iSM client, the information output to the operation log is also displayed on the message display area of the state monitor screen.   Operation logs are output as the following directory/file names by default.

(1)   Storage Manager operation log

    UNIX system:

    /opt/iSMsvr/etc/log/iSM_Log.log

    Windows system:

    <Installation directory>\iSMsvr\etc\log\iSM_Log.log

(2)   ReplicationControl operation log

    HP-UX system:

    /opt/iSMrpl/etc/*.log

    /opt/iSMvol/etc/*.log

    Solaris system:

    /opt/NECiSMrpl/etc/*.log

    /opt/NECiSMvol/etc/*.log

    Windows system:

    <Installation directory>\iSMrpl\etc\trace*.log

    <Installation directory>\iSMvol\etc\trace*.log

4

- syslog

  This is output on UNIX system.   Together with the messages output by UNIX, the messages output from iSM and ReplicationControl are recorded.   The output format depends on the OS (HP-UX or Solaris).   Output/no output or output destinations of messages, which is output to syslog, can be specified by modifying descriptions for type (level) and function (facility) in OS settings file (/etc/syslog.conf).

  Note 1:   On Solaris system, a message, of which function is "daemon" and classification is "INFO", is not output as the default value.   Also, a message, of which function is "user" and classification is "WARNING", "NOTICE", or "INFO" is not output as the default value. To output these kinds of messages, modify the OS settings file.

  Note 2:   The function of messages output from the iSM to syslog is "Daemon".   However, the function of the messages output by the ReplicationControl command is "user".

  Messages are output being affixed the following directory/file name as the default value:

  HP-UX system:

  /var/adm/syslog/syslog.log

  Solaris system:

  /var/adm/messages

- Event log

  This is output on Windows system.   Together with the messages output by windows, the messages output from the iSM and the ReplicationControl are recorded.   The messages are output to application log in the event log.   The event log has the functions similar to those of UNIX syslog, however, the content of the log are different.   The event log can be viewed using the [Event Viewer] in the Management Tool.   A message classification and an event log type correspond as follows.

  ERROR: Error

  WARNING: Warning

  NOTICE/ INFO: Information

- ESMPRO Manager

  Messages are output to ESMPRO Manager in the Windows environment.   If ESMPRO Agent has been installed in the management server on which the Storage Manager has started, messages to be notified to the ESMPRO manager of all the messages that the Storage Manager server outputs to an event log are automatically set to display on the ESMPRO Manager alert viewer.   To change the setting, ESMPRO Agent notification setting must be changed.   The notification function provided by ESMPRO is also available.

5

1.3 Message Output Format

This section describes the message output format and the errno output rule. For details on the message text, refer to Chapter 2 "Message List".

The following shows the output format of a message:

Mon Date hh:mm:ss hhhhhh ffffffff :mmmmmm cccccccc : iSMyyyyy : Message body

Mon Date	: Month and date
hh:mm:ss	: Time
hhhhhh	: Host name
ffffffff	: Function identifier
mmmmmm	: Message classification
cccccccc	: Command name and function name
yyyyy	: Message number

The message, which is output to application log in the event log, includes the following values specified for each item:

• Classification

ERROR	: Error
WARNING	: Warning
NOTICE	: Information
INFO	: Information

• Source

Storage Manager : (fixed)

• Classification

None (fixed)

• Event ID

Number part in the message ID output to the operation log.

The following describes output rules for errno:

• Windows system

1. Routine in C Runtime library: errno value is defined by the library.
2. WIN32 API: The value returned by GetLastError with 20000 added is output.
3. Socket API: The value returned by WSGetLastError with 20000 added is output.

6

- UNIX system

    1. A defined value is output as is.

Chapter 2 Message List

2.1   Interpretation of Message List

2.2 "Message List" describes the messages in the order of message IDs.   The message are described in the following format:

iSMxxxxx: AAAAA*<aaa>,<bbb...b>*

Message ID (iSMxxxxx) and message body (AAAAA<aaa>,<bbb...b>) are described.

Descriptions using parentheses such as <aaa> and <bbb...b> indicate that parameter values are not fixed. (The parentheses "<" and ">" are not displayed in the actual message.)

For details of parameter values, refer to [Explanation].

Messages subject to ALIVE report (including ALIVE report from a disk array) are followed by the keyword [_ALERT_] and output to each destination.   For messages subject to ALIVE report excluding ALIVE report from a disk array, refer to Appendix A "Message Output Destination List".

[Classification]   Message classification (ERROR, WARNING, NOTICE, or INFO) is described. A message that is not output to syslog, event log, or operation log is output without a message classification.   This field is blank for such a message that is output without a message classification.

[Explanation]   This field describes the causes of the message output, etc.   Parameters in the message are also described in this field. If a message is output on a specific OS (UNIX or Windows), applicable OS names are described in this field.   Unless otherwise noted, the message is a common message that is independent of OS.

[Measure]   This field describes measures to be taken by an administrator.   An administrator must follow the instructions to take measures.

Note: For output destination of a message, refer to Appendix A "Message Output Destination List".

2.2 Message List

iSM01000 ~

iSM01001: Storage Manager has started

[Classification] INFO

[Explanation] It shows that iSM server has started.
For Windows, this message is target of ESMPRO Manager Report.

[Measures] Unnecessary

iSM01002: Storage Manager is ready

[Classification] INFO

[Explanation] It shows that iSM server has become capable of operation.
For Windows, this message is target of ESMPRO Manager Report.

[Measures] Unnecessary

iSM01003: Storage Manager has terminated normally

[Classification] INFO

[Explanation] It shows that iSM server has normally terminated.
For Windows, this message is target of ESMPRO Manager Report.

[Measures] Unnecessary

9

iSM01004: Storage Manager has terminated emergency

[Classification]   WARNING

[Explanation]   Emergency shutdown of iSM server.

This message is output in the iSM server abort processing when iSMsvr stop -e is

executed or the system is shut down.

This message is output on UNIX system.

[Measures]   Unnecessary

iSM01005: Command is entered.command= *<aaa…a>*

[Classification]   INFO

[Explanation]   It shows that a command is entered.

This message is output on UNIX system.

aaa...a: command that is entered

[Measures]   Unnecessary

iSM01006: Termination of Storage Manager is started

[Classification]   WARNING

[Explanation]   It shows that abort processing of iSM server is started.

[Measures]   Unnecessary

10

iSM01010: Storage Manager has restarted

[Classification]   INFO

[Explanation]   It shows that the iSM server is restarted.

For Windows, this message is target of ESMPRO Manager Report.

[Measures]   Unnecessary

iSM01011: *<aaa...a>* has restarted

[Classification]   INFO

[Explanation]   It shows that a process indicated with aaa...a is restarted.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a : Process name

[Measures]   Unnecessary

11

iSM01101: The function is not available. function=<*aaa...a*>

[Classification]   WARNING

[Explanation]   The function indicated with aaa...a has become unavailable.   iSM server will
block the function.

aaa...a : Unavailable function

PerformanceMonitor	:	Performance monitoring function
ReplicationControl	:	Replication control function
msgdrv	:	Event link function
config GUI	:	Configuration setting GUI function
ALIVEmail	:	ALIVEmail function
PerformanceOptimizer	:	Performance optimization function
iSMcmd	:	Configuration setting GUI function
FileTransfer	:	File transfer function
SnapShot	:	Snapshot function

[Measures]   Examine the cause by studying iSM server's syslog or iSM operation log.
To use a function indicated with aaa...a, the iSM server must be restarted.

iSM01102: Command failed

[Classification]   NOTICE

[Explanation]   It shows that iSMsvr stop/update/prf_start/prf_stop/prf_update command
execution is failed.   The entered command is ignored.
A message indicating the error cause is displayed before this message is output.
This error may occur when the linkage function or performance monitoring
function is terminated.
This message is output on UNIX system.

[Measures]   Investigate and remove the cause of error by referencing the message that is
displayed before this message.   Restart the iSM server if necessary.

12

iSM01103: Socket access failed. process= <*aaa...a*> func=<*bbb...b*> [errno=<*ccc*>|error=<*ddd...d*>] detail=<*ee-fff*>

[Classification]   NOTICE

[Explanation]   Error has occurred in the socket communication between the processes indicated with aaa...a and the main process. This error occurs when the process has stopped or the file environment of iSM Server's socket path (/opt/iSMsvr/etc/sock) is in an incorrect status.

aaa...a	:	Process name
bbb...b	:	Socket system function name
ccc	:	Error number
ddd...d	:	Error contents
		timeout : Time out
		socket close : Socket is closed
ee-fff	:	Detail code (This code is not disorder reason but a value for maintenance.)

[Measures]   If an error number is output, check the function name and the error number to take measures, and restart the iSM server if necessary.   When an error contents is output, examine the cause through the previous message output before this message and restart the iSM server if necessary.

13

iSM01105: File access failed. file=<*aaa...a*> func=<*bbb...b*> errno=<*ccc*> detail=<*dd-eee*>

[Classification]   NOTICE

[Explanation]   It shows that an error has occurred in accessing the file indicated with aaa...a.
In this message case, the environment of environment definition file (/etc/iSMsvr/iSMsvr.conf) or control file (files under /opt/iSMsvr/etc.) may be in an incorrect status.

aaa...a	:	File path name
bbb...b	:	File system function name
ccc	:	Error number
dd-eee	:	Detail code (This code is not disorder reason but a value for maintenance.)

[Measures]   Resolve the problem by checking the file path name, function name and error number, and restart the iSM server.

iSM01106: System call error occurred. process=<*aaa...a*> func=<*bbb...b*> errno=<*ccc*> detail=<*dd-eee*>

[Classification]   NOTICE

[Explanation]   It shows that an error has occurred in the system function except the access of socket/file.
The following hindrance is likely as an example.
- In case of syslog:
  The shared memory has been deleted incorrectly with the ipcrm command. (Access error of shared memory)
- In case of operation log:
  System overloading occurred by requests of iSM server.   Some resources have been lost.

aaa...a	:	Process name
bbb...b	:	System function name
ccc	:	Error number
dd-eee	:	Detail code (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the function name and error number to take measures, and restart the iSM server if necessary.

14

iSM01107: <*aaa...a*> process has terminated abnormally

[Classification]   WARNING

[Explanation]   It shows that the process indicated with aaa...a has been abnormally terminated.
A message of the cause has been reported from the abnormally terminated
process right before this message.
For Windows, this message is target of ESMPRO Manager Report.
aaa...a   : Process name

[Measures]   Resolve the problem through the previous message output before this message,
and restart the iSM server if necessary.

iSM01108: Storage Manager has already started

[Classification]   NOTICE

[Explanation]   It shows that the iSM server has already started.
This message is output on UNIX system.

[Measures]   Unnecessary

iSM01109: Internal error occurred. detail=<*aa-bbb*>

[Classification]   WARNING

[Explanation]   It shows that an internal error has occurred in the main process of iSM server.
iSM server will be terminated.
aa-bbb   : Detail code (This code is not disorder reason but a value for
maintenance.)

[Measures]   Acquire the information and restart the iSM server if necessary.   For the
acquiring method of the information, refer to 6.1.9 "Information Gathering
Method when Server Fault with Unknown Cause" of the "User's Manual".

15

iSM01110: Illegal configuration. file=<*aaa...a*> line=<*bbb...b*> [section=<*ccc...c*>] [keyword=<*ddd...d*>] [value=<*eee...e*>] [token=<*fff...f*>] [detail=<*ggg...g*>]

[Classification]   NOTICE

[Explanation]   It shows that an illegal configuration is detected in the environment definition file. iSM Server will be abnormally terminated.

aaa...a	:	Environment definition file name
bbb...b	:	Line number with illegal configuration
ccc...c	:	Section name or words wherein illegal configuration was found
ddd...d	:	Parameter name or words wherein illegal configuration was found
eee...e	:	Parameter value or words wherein illegal configuration was found
fff...f	:	Words wherein illegal configuration was found
ggg...g	:	Detailed information

[Measures]   Find out incorrect description in the file through the output message, correct it and then restart the iSM server.

Probable causes of detail information output are as follows:

Detail Information	Content
Duplicate section	The same section name has been specified more than once.
Duplicate keyword	The same keyword has been specified more than once.
Too many diskarray	The number of disk arrays exceeds the limitation.
Too many diskarray number	The disk array number exceeds the value n of diskarray[n].
Too many ip	The number of IP addresses exceeds the limitation.
Too many special file	The number of specified special files exceeds the limitation.
Too many disk	The specified disk number exceeds the limitation.
Too may login	The number of user information items exceeds the limitation.
Too many login number	The user number exceeds the value n of login[n].

16

iSM01111: User definition does not exist, Client cannot be connected. file=<*aaa...a*>

[Classification]   NOTICE

[Explanation]   It shows that there is no specification of the indispensable parameter of the environment definition file. The indispensable parameter is a login parameter in the client section.

aaa...a   :   Environment definition file name

[Measures]   Specify the login parameter of the client section in the environment definition file and restart the iSM server.

iSM01113: iSMadm cannot use UDP port 162. file=<*aaa...a*> line=<*bbb...b*> [section=<*ccc...c*>] [keyword=<*ddd...d*>] [value=<*eee...e*>]

[Classification]   NOTICE

[Explanation]   It shows that the port 162 specified by iSMadm user cannot be used.   iSM Server will be abnormally terminated.
This message is output on UNIX system.

aaa...a   :   Environment definition file name
bbb...b   :   Line number with illegal configuration
ccc...c   :   Section name or words wherein illegal configuration was found
ddd...d   :   Parameter name or words wherein illegal configuration was found
eee...e   :   Parameter value or words wherein illegal configuration was found

[Measures]   Restart the iSM server with Super User to receive SNMP trap while the iSM server uses the port 162.   If the iSM server does not use the port 162 for receiving SNMP trap, restart the iSM server after deleting the parameter for snmp_port.

17

iSM01230:　Storage Manager has terminated abnormally

[Classification]　　WARNING

[Explanation]　　It shows that iSM server has terminated abnormally.　The message of the cause has displayed before this message.
For Windows, this message is target of ESMPRO Manager Report.

[Measures]　　Examine the cause through the previous message output before this message and restart the iSM server if necessary.

iSM01232:　Storage Manager has terminated abnormally by signal.signo=<*aaa*>

[Classification]　　ERROR

[Explanation]　　It shows that iSM server has terminated abnormally due to the signal.　The user may send the kill signal.
This message is output on UNIX system.
aa…a: Signal number

[Measures]　　Restart the iSM server.

iSM01400:　This function is not supported

[Explanation]　　It indicates that functions other than start, stop, update, or prf_update has been specified by iSMsvr command.
This message is output on UNIX system.

[Measures]　　Check command format and retry.

iSM01401: Usage: iSMsvr start

[Explanation]   It indicates that description of iSMsvr start command is incorrect. A specifiable format is shown in the message. Execute the command in valid format.
This message is output on UNIX system.

[Measures]   Check command format and retry.

iSM01402: Usage: iSMsvr stop [-e]

[Explanation]   It indicates that description of iSMsvr stop command is incorrect. A specifiable format is shown in the message. Execute the command in valid format.
This message is output on UNIX system.

[Measures]   Check command format and retry.

iSM01403: Usage: iSMsvr update {-m | -s name | -r name}

[Explanation]   It indicates that description of iSMsvr update command is incorrect. A specifiable format is shown in the message. Execute the command in valid format.
This message is output on UNIX system.

[Measures]   Check command format and retry.

iSM01407: Rejected: Storage Manager is not ready

[Explanation]   It indicates that a command was not accepted because the iSM is not operative.

[Measures]   Retry command execution when the iSM becomes operative.

19

iSM01408: Rejected: System function error (*<aaa...a>*) *<bbb...b>*

[Explanation]   It indicates that an error occurred in a system function indicated by "aaa...".

aaa...a   : System function name

bbb...b   : Error description

errno= zzzz : Error number

socket close : Socket with iSM closed

timeout   : Time-out occurred in socket communication
with the iSM.

[Measures]   Check error description and retry command execution.

If this message is output on a HP-UX system, the following reason is assumed:

iSM01408: Rejected: System function error (execl) errno=13

When the iSM server is operated by the administrator for iSM, the setting of the

administrator for iSM may not be deleted before uninstallation of the iSM server.

In this case, register the administrator for iSM again (delete and set) using the

iSM setting command (iSMmkadm).   For details on the administrator for iSM

setting command, refer to the "User's Manual (UNIX)".

iSM01409: Rejected: msgdrv is not available

[Explanation]   It indicates that the event link function is not available.

This message is output on UNIX system.

[Measures]   Restarting the iSM is required to use the event link function.

iSM01410: This request is accepted

[Explanation]   It indicates that a device monitoring stop/restart command request has been

received.   For actual stop/restart operations, refer to syslog.

This message is output on UNIX system.

[Measures]   Unnecessary

iSM01411: Rejected: PerformanceMonitor is not available

[Explanation]   It indicates that the performance monitor function is not available.

[Measures]   Unnecessary

iSM01412: Internal error. detail=<*aaaa*>

[Explanation]   It indicates that an internal error has occurred.

     aaaa   :   Internal code

[Measures]   Obtain information and restart the iSM.

iSM01413: Usage: iSMsvr prf_update -t value

[Explanation]   It indicates that description of iSMsvr prf_update command is incorrect. A specifiable format is shown in the message. Execute the command in valid format.

This message is output on UNIX system.

[Measures]   Check command format and retry.

iSM01901: Function error has occurred. Function name=<*aaa...a*> Error code=<*bbb*> Error Message=<*ccc...c*>

[Classification]   ERROR

[Explanation]   It is an internal error of iSMmainNT. This seems to be a problem depending on Windows system.

This message is output on Windows system.

     aaa...a   :   Function name

     bbb   :   Error number

     ccc...c   :   Error message

[Measures]   Resolve the problem by checking the function name and the error number, and restart the iSM server.

21

iSM02000 ~

iSM02010: In initialization, port setting failed errno=*<aaaaa>*

[Classification]　　NOTICE

[Explanation]　　It shows that port number setting has failed in the initializing process.

aaaaa　　　　:　Error number

[Measures]　　Take the measures below.

For UNIX　:　Check the port number setting in the [client] section of the environment definition file in order to see if the iSM port number which is specified in the iSMsvr_port parameter or the port number of 8020 at the time of an abbreviation is being used in other service, or if the specified port number is correct.　To check the port number being used, use netstat command.

For Windows:　Check the server operation environment and review the port number settings.

iSM02011: In initialization, shared memory allocation failed errno=*<aaaaa>*

[Classification]　　NOTICE

[Explanation]　　It shows that the acquisition of shared memory has failed in the initializing process.

aaaaa　　　　:　Error number

[Measures]　　Take the measures below.

For UNIX　:　Check the shared memory status by using ipcs command since there is a shortage of usable memory in the system.

For Windows:　Check the server operating status including memory usage status.

22

iSM02020: Function Error has occurred name=<*aaa...a*> code=<*bbbbb*> errno=<*ccccc*>

[Classification]   NOTICE

[Explanation]   It shows that a function error has occurred.

This message is output on UNIX system.

aaa...a	:	Function name
bbbbb	:	Internal code
ccccc	:	Error number

[Measures]   Check the settings relevant to the applicable function.

Example: iSMclcomm iSM02020:Function Error has occurred name=recv
code=417 errno=232
In this case, recv function has error-returned in the
errno=232(ECONNRESET:Connection reset by peer) and it is
thought that the socket has been disconnected from a client.

iSM02021: Internal Error has occurred code=<*aaaaa*> errno=<*bbbbb*>

[Classification]   NOTICE

[Explanation]   It shows that an internal error has occurred.

This message is output on UNIX system.

aaaaa	:	Internal code
bbbbb	:	Error number

[Measures]   Check the connection status of iSM client, the environment of server operation
and various settings. This message is usually output together with iSM02020.
For the specific cause, refer to iSM02020.

Example: iSMclcomm iSM02020:Function Error has occurred name=recv
code=417 errno=232
iSMclmaind iSM02021:Internal Error has occurred code=1366
errno=*
This case shows that the socket has been disconnected from a client in
iSM02020 and the communication process for the client has ended.

23

iSM02040: iSM/Client connected user=<*aaa...a*> client=<*bbbbbbbb*> ip=<*ccc...c*>

[Classification]   INFO

[Explanation]   It shows that an iSM client is connected.

aaa...a   :   User name

bbbbbbbb   :   iSM client name

ccc...c   :   iSM client's IP address

[Measures]   Unnecessary   (This message indicates that the operation is completed as required.)

iSM02041: iSM/Client terminated user=<*aaa...a*> client=<*bbbbbbbb*> ip=<*ccc...c*>

[Classification]   INFO

[Explanation]   It shows that an iSM client has exited.

aaa...a   :   User name

bbbbbbbb   :   iSM client name

ccc...c   :   iSM client's IP address

[Measures]   Unnecessary   (This message indicates that the operation is completed as required.)

24

iSM02042: iSM/Client disconnected user=<*aaa...a*> client=<*bbbbbbbb*> ip=<*ccc...c*> reason=<*ddd*>

[Classification]   NOTICE

[Explanation]   It shows that the iSM client has been disconnected.

aaa...a   : User name

bbbbbbbb : iSM client name

ccc...c   : iSM client's IP address

ddd   : Reason of the disconnection

        001 : Hindrance generated in the client

        002 : Time out generated in the client

        003 : Others

[Measures]   Connect the client again if necessary.

iSM02043: iSM/Client connect failed user=<*aaa...a*> client=<*bbbbbbbb*> ip=<*ccc...c*> reason=<*ddd*>

[Classification]   NOTICE

[Explanation]   It shows that iSM client has failed to connect.

aaa...a   : User name

bbbbbbbb : iSM client name

ccc...c   : iSM client's IP address

ddd   : Reason of the disconnection

        001 : Incorrect user's name

        002 : Incorrect password

        003 : Incorrect IP address

        004 : Excessive connection of clients

        005 : Resource shortage

        006 : Reconnection demand during the process of disconnection of the client

        007 : Start terminating iSM server

        008 : Internal error generated

        009 : Others

        010 : Time out generated in the iSM server

[Measures]   Resolve the problem from the reason of disconnection and reconnect the client.

25

iSM02050: iSM/Client Management Service started

[Classification]   INFO

[Explanation]   It shows that iSM/Client Management Service has started.

[Measures]   Unnecessary   (This message indicates that the operation is completed as required.)

iSM02051: iSM/Client Management Service terminated

[Classification]   INFO

[Explanation]   It shows that iSM/Client Management Service has terminated.

[Measures]   Unnecessary   (This message indicates that the operation is completed as required.)

iSM02052: iSM/Client Management Service termination started

[Classification]   INFO

[Explanation]   It shows that termination of iSM/Client Management Service has started.

[Measures]   Unnecessary   (This message indicates that the operation is completed as required.)

26

iSM02053: iSM/Client Management Service is waiting for L3 user's termination

[Classification]   INFO

[Explanation]   It shows that iSM/Client Management Service is waiting for the termination of L3 user.
This message is output on UNIX system.

[Measures]   iSM server has become the state of waiting for the disconnection of L3 user who is in the controlling level.   To terminate the iSM server, the disconnection from the L3 user client is necessary.

iSM02060: Data lost detected client=<*aaaaaaaa*> ip=<*bbb...b*>

[Classification]   NOTICE

[Explanation]   It shows that lost of received and transmitted data during process occurred.
This message is output on UNIX system.   (Output only to syslog)
aaaaaaaa   : iSM client name
bbb...b   : iSM client's IP address

[Measures]   Remove the status that hinders data transmission in the client's operation environment or server's operation environment etc. In this case, the response to operation demand from iSM client may possibly be lost and the information display in the iSM client may not be shown completely.

iSM02061: Data lost recovered client=<*aaaaaaaa*> ip=<*bbb...b*>

[Classification]   NOTICE

[Explanation]   It shows that the received and transmitted data lost during process has been recovered.

This message is output on UNIX system.   (Output only to syslog)

aaaaaaaa   :   iSM client name

bbb...b   :   iSM client's IP address

[Measures]   Check if the data loss has an influence on operation or not. Check if a message indicating a trouble on operation has been output or not between the iSM02060 message and this message.

28

iSM03000 ~

iSM03100: Disk Array is not specified in the config file. detail=<*aa-bbbb*>

[Classification]   WARNING

[Explanation]   It indicates that no monitoring disk array exists for the iSM server because disk array has not been specified.

aa-bbbb   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check description of agent section (disk array or auto_find_spf) in the environment definition file.   If no problem is found, check disk connection environment and restart the iSM server.
On Windows system, check environment settings (disk array information).   If no problem is found, check disk connection environment and restart the iSM server.

iSM03101: Object Disk Array does not exist. detail=<*aa-bbbb*>

[Classification]   WARNING

[Explanation]   It shows that the iSM server is started with no disk arrays to be controlled, because no disk arrays to be controlled are found.

aa-bbbb   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check description of agent section (diskarray or auto_find_spf) in the environment definition file.   If no problem is found, check disk connection environment and restart the iSM server.
On Windows system, check environment settings (disk array information).   If no problem is found, check disk connection environment and restart the iSM server.

iSM03102: Diskarray[<*a*>] and diskarray[<*b*>] are the same disk. detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   It indicates that disk arrays specified by diskarray [a] and diskarray [b] overlap with each other.   The iSM server terminates abnormally.

a   : Disk array specifying number in environment definition file
                      (UNIX system: 1 to 64, Windows system: 1 to 32)

b   : Disk array specifying number in environment definition file
                      (UNIX system: 1 to 64, Windows system: 1 to 32)

cc-dddd   : Detail information   (This code is not disorder reason but a value
                      for maintenance.)

[Measures]   Describe agent section (diskarray [a] and diskarray [b]) in environment definition file correctly, and restart the iSM server.
On Windows system, correctly specify diskarray [a] and diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

iSM03103: IP address (<*aaa...a*>) in diskarray[<*b*>] is invalid description. detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   IP address specified by diskarray [b] is incorrect.   The iSM server terminates abnormally.

aaa...a   : IP address

b   : Disk array specifying number in environment definition file
                      (UNIX system: 1 to 64, Windows system: 1 to 32)

cc-dddd   : Detail information   (This code is not disorder reason but a value
                      for maintenance.)

[Measures]   Describe agent section (diskarray [b]) in environment definition file correctly, and restart the iSM server.
On Windows system, correctly specify diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

30

iSM03104: IP address (<*aaa...a*>) in diskarray[<*b*>] is not control path to the management object. detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   It indicates that IP address specified by diskarray [b] is not a control path of the monitoring target disk array.   The iSM server terminates abnormally.

    aaa...a   :   IP address

    b   :   Disk array specifying number in environment definition file
             (UNIX system: 1 to 64, Windows system: 1 to 32)

    cc-dddd   :   Detail information   (This code is not disorder reason but a value
             for maintenance.)

[Measures]   Describe agent section (diskarray [b]) in environment definition file correctly, and restart the iSM server.

On Windows system, correctly specify diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

iSM03105: IP address (<*aaa...a*>) in diskarray[<*b*>] is defined in the other specification. detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   IP address specified by diskarray [b] is overlapping with others.   The iSM server terminates abnormally.

    aaa...a   :   IP address

    b   :   Disk array specifying number in environment definition file
             (UNIX system: 1 to 64, Windows system: 1 to 32)

    cc-dddd   :   Detail information   (This code is not disorder reason but a value
             for maintenance.)

[Measures]   Describe agent section (diskarray [b]) in environment definition file correctly, and restart the iSM server.

On Windows system, correctly specify diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

iSM03106: IP address (<*aaa...a*>) in diskarray[<*b*>] is same as one in diskarray[<*c*>]. detail=<*dd-eeee*>

[Classification]   ERROR

[Explanation]   The same IP address is specified in diskarray [b] and diskarray [c].   The iSM server terminates abnormally.

aaa...a   : IP address

b   : Disk array specifying number in environment definition file (UNIX system: 1 to 64, Windows system: 1 to 32)

c   : Disk array specifying number in environment definition file (UNIX system: 1 to 64, Windows system: 1 to 32)

dd-eeee   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Describe agent section (diskarray [b] and diskarray [c]) in environment definition file correctly, and restart the iSM server.

On Windows system, correctly specify diskarray [b] and diskarray [c] in environment settings (specifying disk array information) and restart the iSM server.

iSM03107: IP address (<*aaa...a*>) in diskarray[<*b*>] contradicts the other specification. detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   The IP addresses specified in diskarray [b] indicates different disk arrays.   iSM server terminates abnormally.

aaa...a   : IP address

b   : Disk array specifying number in environment definition file (UNIX system: 1 to 64, Windows system: 1 to 32)

cc-dddd   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Describe agent section (diskarray [b]) in environment definition file correctly, and restart the iSM server.

On Windows system, correctly specify diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

iSM03108: File (<*aaa...a*>) in diskarray[<*b*>] is invalid description. detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   A special file specified by diskarray [b] is incorrect.   The file may not exist or the file may not be a character-type special file.   The iSM server terminates abnormally.

This message is output on UNIX system.

aaa...a	:	Special file name
b	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
cc-dddd	:	Detail information

[Measures]   Correctly specify diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

iSM03108: Disk (disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) in diskarray[<*f*>] is invalid description. detail=<*gg-hhhh*>

[Classification]   ERROR

[Explanation]   The disk specified for diskarray[f] in the environment definition file (agent section) is erroneous.   The disk may be nonexistent.   The iSM server terminates abnormally

This message is output on Windows system.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

f	:	Disk array specification number (1 to 32) in the environment definition file (agent section)
gg-hhhh	:	Detail information

[Measures]   Correctly specify diskarray [f] in environment settings (specifying disk array information) and restart the iSM server.

iSM03109: File (<*aaa...a*>) in diskarray[<*b*>] is not control path to the management object. detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   A special file specified by diskarray [b] is not a control path for the monitoring target disk array.   The iSM server terminates abnormally.
This message is output on UNIX system.

aaa...a	:	Special file name
b	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
cc-dddd	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Correctly specify diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

iSM03109: Disk (disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) in diskarray[<*f*>] is not control path to the management object. detail=<*gg-hhhh*>

[Classification]   ERROR

[Explanation]   A disk specified by environment setting (setting of disk array) is not a control path for the monitoring target disk array.   The iSM server terminates abnormally.
This message is output on Windows system.
diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

f	:	Disk array specification number (1 to 32) in the environment definition file (setting of disk array information)
gg-hhhh	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Correctly specify diskarray [f] in environment settings (specifying disk array information) and restart the iSM server.

34

iSM03110: File (<*aaa...a*>) in diskarray[<*b*>] is defined in the other specification. detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   It indicates that disk arrays specified by diskarray [b] overlap with each other.

The iSM server terminates abnormally.

This message is output on UNIX system.

aaa...a	:	Special file name
b	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
cc-dddd	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Correctly specify diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

iSM03110: Disk (disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) in diskarray[<*f*>] is defined in the other specification. detail=<*gg-hhhh*>

[Classification]   ERROR

[Explanation]   Disks specified in environment setting (setting of disk arrays) overlap with each other.   The iSM server terminates abnormally.

This message is output on Windows system.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

f	:	Disk array specification number (1-32) of environment setting (setting of disk array information)
gg-hhhh	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Correctly specify diskarray [f] in environment settings (specifying disk array information) and restart the iSM server.

35

iSM03111: File (*<aaa...a>*) in diskarray[*<b>*] is same as one in diskarray[*<c>*]. detail=*<dd-eeee>*

[Classification]   ERROR

[Explanation]   The same special file is specified in diskarray [b] and diskarray [c].   The iSM server terminates abnormally.

This message is output on UNIX system.

aaa...a	:	Special file name
b	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
c	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
dd-eeee	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Correctly specify diskarray [b] and diskarray [c] in environment settings (specifying disk array information) and restart the iSM server.

iSM03111: Disk (disk*<aaa>* (Port*<bbb>* Bus*<ccc>* Target*<ddd>* Lun*<eee>*)) in diskarray[*<f>*] is same as one in diskarray[*<g>*]. detail=*<hh-iiii>*

[Classification]   ERROR

[Explanation]   The same disk is specified in diskarray [f] and diskarray [g].   The iSM server terminates abnormally.

This message is output on Windows system.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

f	:	Disk array specification number (1 to 32) of environment setting (setting of disk array information)
g	:	Disk array specification number (1 to 32) in the environment definition file (agent section)
hh-iiii	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Correctly specify diskarray [f] and diskarray [g] in environment settings (specifying disk array information) and restart the iSM server.

36

iSM03112: File (*<aaa...a>*) in diskarray[*<b>*] contradicts the other specification. detail=*<cc-dddd>*

[Classification] ERROR

[Explanation] The special files specified in diskarray [b] indicates different disk arrays. The iSM server terminates abnormally.

This message is output on UNIX system.

aaa...a	:	Special file name
b	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
cc-dddd	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures] Correctly specify diskarray [b] in environment settings (specifying disk array information) and restart the iSM server.

iSM03112: Disk (disk*<aaa>* (Port*<bbb>* Bus*<ccc>* Target*<ddd>* Lun*<eee>*)) in diskarray[*<f>*] contradicts the other specification. detail=*<gg-hhhh>*

[Classification] ERROR

[Explanation] The disks specified in disk array in environment definition indicate different disk arrays. The iSM server terminates abnormally.

This message is output on Windows system.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

f	:	Disk array specification number (1-32) of environment setting (setting of disk array information)
gg-hhhh	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures] Correctly specify diskarray [f] in environment settings (specifying disk array information) and restart the iSM server.

iSM03113: All control paths of diskarray[*<a>*] are not available. detail=<*bb-cccc*>

[Classification]　　WARNING

[Explanation]　　All control paths of diskarray [a] have been blocked.　Monitoring to the disk array is disabled.

　　　　　　　　a　　　　　　　：　Disk array specifying number in environment definition file
　　　　　　　　　　　　　　　　　(UNIX system: 1 to 64, Windows system: 1 to 32)

　　　　　　　　bb-cccc　　　：　Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Check connection to the disk, and restart the iSM server.

iSM03114: Diskarray[*<a>*] is already managed by autofind. detail=<*bb-cccc*>

[Classification]　　WARNING

[Explanation]　　The diskarray [a] has already been incorporated by automatic detecting function. This message is displayed when incorporating by an IP address specified by diskarray [a] failed upon iSM server startup, and the disk array has been incorporated by the automatic detection function.　Access to the disk array is not made via the IP address (Ethernet) specified for diskarray[a] but via FC

　　　　　　　　a　　　　　　　：　Disk array specifying number in environment definition file
　　　　　　　　　　　　　　　　　(UNIX system: 1 to 64, Windows system: 1 to 32)

　　　　　　　　bb-cccc　　　：　Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Check IP connection to the disk array, and restart the iSM server and select IP connection if necessary.

38

iSM03120: Management of diskarray[<*a*>] succeeded. name=(<*bbb...b*>) detail=<*cc-dddd*>

[Classification]   INFO

[Explanation]   Succeeded in incorporating disk array specified by agent section (diskarray [a])
in environment definition file.
On Windows system, the message indicates that the disk array specified by
environment setting (setting of disk array information) diskarray [a] was
successfully incorporated.

a	:	Disk array specifying number in environment definition file
		(UNIX system: 1 to 64, Windows system: 1 to 32)
bbb...b	:	Disk array name
cc-dddd	:	Detail information (This code is not disorder reason but a value
		for maintenance.)

[Measures]   Unnecessary

iSM03121: Management of diskarray[<*a*>] failed. detail=<*bb-cccc*>

[Classification]   WARNING

[Explanation]   Failed in incorporating disk array specified by agent section (diskarray [a]) in
environment definition file.
On Windows system, the message indicates that the disk array specified by
environment setting (setting of disk array information) diskarray [a] was failed in
incorporating.
The reason for failure of management is indicated in the preceding message.
After that, the disk array may be automatically managed during operation of
iSM.

a	:	Disk array specifying number in environment definition file
		(UNIX system: 1 to 64, Windows system: 1 to 32)
bb-cccc	:	Detail information (This code is not disorder reason but a value
		for maintenance.)

[Measures]   Check the message preceding this message, and take measures.

39

iSM03122: Management of diskarray succeeded by autofind. name=(<*aaa...a*>) detail=<*bb-cccc*>

[Classification]   INFO

[Explanation]   It shows that management of disk array is successful via automatic detection function.

    aaa...a   : Disk array name

    bb-cccc   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Unnecessary

iSM03130: Management of control path in diskarray[<*a*>] failed.ip=<*bbb...b*> port=<*ccccc*> func=<*ddd...d*> errno=<*eee*> detail=<*ff-gggg*>

[Classification]   NOTICE

[Explanation]   Failed in building the control path.

    a   : Disk array specifying number in environment definition file (UNIX system: 1 to 64, Windows system: 1 to 32)

    bbb...b   : IP address

    ccccc   : Port number

    ddd...d   : Function name

    eee   : Error number

    ff-gggg   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the network connection state to the disk array and the disk array state, and remove the failure.

40

iSM03131: Management of control path in diskarray[<*a*>] failed. ip=<*bbb...b*> port=<*ccccc*> func=<*ddd...d*> reason=(timeout <*eee*>sec.) detail=<*ff-gggg*>

[Classification]   NOTICE

[Explanation]   Failed in the inclusion of the control path due to time out.

    a : Disk array specifying number in environment definition file (UNIX system: 1 to 64, Windows system: 1 to 32)

    bbb...b : IP address

    ccccc : Port number

    ddd...d : Function name

    eee : Seconds of the time out

    ff-gggg : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the network connection state to the disk array, and remove the failure.

iSM03132: Management of control path in diskarray[<*a*>] failed. ip=<*bbb...b*> port=<*ccccc*> reason=(invalid sequence) detail=<*dd-eeee*>

[Classification]   NOTICE

[Explanation]   Failed in the inclusion of the control path.

    a : Disk array specifying number in environment definition file (UNIX system: 1 to 64, Windows system: 1 to 32)

    bbb...b : IP address

    ccccc : Port number

    dd-eeee : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Settings of disk array may be incorrect (monitoring by the node running iSM server via LAN may not be allowed). Check settings of disk array and remove fault.

41

iSM03133: Management of control path in diskarray[<*a*>] failed. ip=<*bbb...b*> port=<*ccccc*> reason=(invalid receive data) detail=<*dd-eeee*>

[Classification]   NOTICE

[Explanation]   Failed in the inclusion of the control path.

a   : Disk array specifying number in environment definition file
                (UNIX system: 1 to 64, Windows system: 1 to 32)

bbb...b   : IP address

ccccc   : Port number

dd-eeee   : Detail information   (This code is not disorder reason but a value
                for maintenance.)

[Measures]   Check the disk array state, and remove the failure.

iSM03134: Management of control path in diskarray[<*a*>] failed. ip=<*bbb...b*> port=<*ccccc*> command=(<*ddd...d*>) status=(<*ee*>/<*ff*>/<*gg*>/<*hh*>) detail=<*ii-jjjj*>

[Classification]   NOTICE

[Explanation]   Failed in the inclusion of the control path.

a   : Disk array specifying number in environment definition file
                (UNIX system: 1 to 64, Windows system: 1 to 32)

bbb...b   : IP address

ccccc   : Port number

ddd...d   : Command Descriptor Block of the issued command

ee   : Status Byte

ff   : Sense Key

gg   : Additional Sense Code

hh   : Additional Sense Code Qualifier

ii-jjjj   : Detail information   (This code is not disorder reason but a value
                for maintenance.)

[Measures]   Check the disk array state, and remove the failure.

42

iSM03140: Management of control path in diskarray[<*a*>] failed. file=<*bbb...b*> func=<*ccc...c*> errno=<*ddd*> detail=<*ee-ffff*>

[Classification]   NOTICE

[Explanation]   Failed in the inclusion of the control path.
This message is output on UNIX system.

a	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
bbb...b	:	Special file name
ccc...c	:	Function number
ddd	:	Error number
ee-ffff	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the FC connection state to the disk array and the disk array state, and remove the failure.

iSM03140: Management of control path in diskarray[<*a*>] failed. Disk=(disk<*bbb*> (Port<*ccc*> Bus<*ddd*> Target<*eee*> Lun<*fff*>)) func=<*ggg...g*> errno=<*hhh*> detail=<*ii-jjjj*>

[Classification]   NOTICE

[Explanation]   Failed in the inclusion of the control path.
This message is output on Windows system.

a	:	Disk array specification number (1 to 32) in the environment definition file (agent section)
diskbbb (Portccc Busddd Targeteee Lunfff): Disk information		
ggg...g	:	Function number
hhh	:	Error number
ii-jjjj	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the FC connection state to the disk array and the disk array state, and remove the failure.

43

iSM03141: Management of control path in diskarray[*<a>*] failed. file=*<bbb...b>* command=(*<ccc...c>*) status= (*<dd>*/*<ee>*/*<ff>*/*<gg>*) detail=*<hh-iiii>*

[Classification]　NOTICE

[Explanation]　Failed in the inclusion of the control path.
　　　　　　　　This message is output on UNIX system.

a	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
bbb...b	:	Special file name
ccc...c	:	Command Descriptor Block of the issued command
dd	:	Status Byte
ee	:	Sense Key
ff	:	Additional Sense Code
gg	:	Additional Sense Code Qualifier
hh-iiii	:	Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]　Check the disk array state, and remove the failure.

iSM03141: Management of control path in diskarray[*<a>*] failed. Disk=(disk*<bbb>* (Port*<ccc>* Bus*<ddd>* Target*<eee>* Lun*<fff>*)) command=(*<ggg...g>*) status=(*<hh>*/*<ii>*/*<jj>*/*<kk>*) detail=*<ll-mmmm>*

[Classification]　NOTICE

[Explanation]　Failed in the inclusion of the control path.
　　　　　　　　This message is output on Windows system.

a	:	Disk array specification number (1 to 32) in the environment definition file (agent section)
diskbbb (Portccc Busddd Targeteee Lunfff): Disk information		
ggg...g	:	Command Descriptor Block of the issued command
hh	:	Status Byte
ii	:	Sense Key
jj	:	Additional Sense Code
kk	:	Additional Sense Code Qualifier
ll-mmmm	:	Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]　Check the disk array state, and remove the failure.

44

iSM03142:　Management of control path in diskarray[*<a>*] failed.file=*<bbb...b>* command=(*<ccc...c>*) status=(*<dddddddd>*) detail=*<ee-ffff>*

[Classification]　　NOTICE

[Explanation]　　Failed in the inclusion of the control path.
　　　　　　　　This message is output on UNIX system.

a	:	Disk array specification number (1 to 64) in the environment definition file (agent section)
bbb...b	:	Special file name
ccc...c	:	Command Descriptor Block of the issued command
dddddddd	:	Status Byte
ee-ffff	:	Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　　Check the disk array state, and remove the failure.

iSM03142:　Management of control path in diskarray[*<a>*] failed. Disk=(disk*<bbb>* (Port*<ccc>* Bus*<ddd>* Target*<eee>* Lun*<fff>*)) command=(*<ggg...g>*) status=(*<hhhhhhhh>*) detail=*<ii-jjjj>*

[Classification]　　NOTICE

[Explanation]　　Failed in the inclusion of the control path.
　　　　　　　　This message is output on Windows system.

a	:	Disk array specification number (1 to 32) in the environment definition file (agent section)
diskbbb (Portccc Busddd Targeteee Lunfff): Disk information		
ggg...g	:	Command Descriptor Block of the issued command
hhhhhhhh	:	Status Byte
ii-jjjj	:	Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　　Check the disk array state, and remove the failure.

45

iSM03150:　Management of control path by autofind failed. file=<*aaa...a*> func=<*bbb...b*> errno=<*ccc*> detail=<*dd-eeee*>

[Classification]　　INFO

[Explanation]　　Failed in the inclusion of the control path by auto find function.

The disk with error cannot be included to iSM server.　iSM server will ignore

error.

This message is output on UNIX system.

aaa...a	:	Special file name
bbb...b	:	Function number
ccc	:	Error number
dd-eeee	:	Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Check the FC connection state to the disk array and the disk array state, and

remove the failure.　Restart iSM server if necessary.

iSM03150:　Management of control path by autofind failed. Disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) func=<*fff...f*> errno=<*ggg*> detail=<*hh-iiii*>

[Classification]　　INFO

[Explanation]　　Failed in the inclusion of the control path by auto find function.
The disk with error cannot be included to iSM server.　iSM server will ignore
error.

This message is output on Windows system.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

fff...f	:	Function number
ggg	:	Error number
hh-iiii	:	Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Check the FC connection state to the disk array and the disk array state, and
remove the failure.　Restart iSM server if necessary.

46

iSM03151: Management of control path by autofind failed. file=<*aaa...a*> command=(<*bbb...b*>) status=(<*cc*>/<*dd*>/<*ee*>/<*ff*>) detail=<*gg-hhhh*>

[Classification]   INFO

[Explanation]   Failed in the inclusion of the control path by auto find function.
The disk with error cannot be included in iSM server.　iSM server will ignore the error.
This message is output on UNIX system.

aaa...a	:	Special file name
bbb...b	:	Command Descriptor Block of the issued command
cc	:	Status Byte
dd	:	Sense Key
ee	:	Additional Sense Code
ff	:	Additional Sense Code Qualifier
gg-hhhh	:	Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]   Check the disk array state, and remove the failure.　Restart iSM server if necessary.

iSM03151: Management of control path by autofind failed. Disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) command=(<*fff...f*>) status=(<*gg*>/<*hh*>/<*ii*>/<*jj*>) detail=<*kk-llll*>

[Classification]   INFO

[Explanation]   Failed in the inclusion of the control path by auto find function.
The disk with error cannot be included in iSM server.　iSM server will ignore the error.
This message is output on Windows system.
diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

fff...f	:	Command Descriptor Block of the issued command
gg	:	Status Byte
hh	:	Sense Key
ii	:	Additional Sense Code
jj	:	Additional Sense Code Qualifier
kk-llll	:	Detail information　(This code is not disorder reason but a value for maintenance.)

[Measures]   Check the disk array state, and remove the failure.　Restart iSM server if necessary.

47

iSM03152: Management of control path by autofind failed. file=<*aaa...a*> command=(<*bbb...b*>) status=(<*cccccccc*>) detail=<*dd-eeee*>

[Classification]   INFO

[Explanation]   Failed in the inclusion of the control path by auto find function.   The disk information that becomes an error cannot be included in iSM server.   iSM server will ignore the error.
This message is output on UNIX system.

aaa...a	:	Special file name
bbb...b	:	Command Descriptor Block of the issued command
cccccccc	:	Status Byte
dd-eeee	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the disk array state, and remove the failure.   Restart iSM server if necessary.

iSM03152: Management of control path by autofind failed. Disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) command=(<*fff...f*>) status=(<*gggggggg*>) detail=<*hh-iiii*>

[Classification]   INFO

[Explanation]   Failed in the inclusion of the control path by auto find function.   The disk information that becomes an error cannot be included in iSM server.   iSM server will ignore the error.

This message is output on Windows system.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

fff...f	:	Command Descriptor Block of the issued command
gggggggg	:	Status Byte
hh-iiii	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the disk array state, and remove the failure.   Restart iSM server if necessary.

48

iSM03200: Control path access failed.
ip=<*aaa...a*> port=<*bbbbb*>
func=<*ccc...c*> errno=<*ddd*>
detail=<*ee-ffff*>

[Classification]   ERROR

[Explanation]   An error occurred in the socket communication with the disk array.

aaa...a	:	IP address
bbbbb	:	Port number
ccc...c	:	Function number
ddd	:	Error number
ee-ffff	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the network connection state to the disk array and the disk array state, and remove the failure.

iSM03201: Control path access failed.
ip=<*aaa...a*> port=<*bbbbb*>
command=(<*ccc...c*>)
status=(<*dd*>/<*ee*>/<*ff*>/<*gg*>)
detail=<*hh-iiii*>

[Classification]   ERROR

[Explanation]   A command error occurred.   A failure may exist in the disk array.

aaa...a	:	IP address
bbbbb	:	Port number
ccc...c	:	Command Descriptor Block of the issued command
dd	:	Status Byte
ee	:	Sense Key
ff	:	Additional Sense Code
gg	:	Additional Sense Code Qualifier
hh-iiii	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the disk array state, and remove the failure.

49

iSM03203: Control path access failed. ip=<*aaa...a*> port=<*bbbbb*> func=<*ccc...c*> reason=(timeout <*ddd*>sec.) detail=<*ee-ffff*>

[Classification]   ERROR

[Explanation]   A timeout occurred in the socket communication with the disk array.

aaa...a	:	IP address
bbbbb	:	Port number
ccc...c	:	Function number
ddd	:	Seconds of time out
ee-ffff	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the network connection to the disk array and the state of the disk array, and remove the failure.

iSM03204: Control path access failed. ip=<*aaa...a*> port=<*bbbbb*> reason=(invalid sequence) detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   Socket connection with the disk array has been disconnected.

aaa...a	:	IP address
bbbbb	:	Port number
cc-dddd	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the network setting for the disk array, and remove the failure.

50

iSM03220: Control path access failed. file=<*aaa...a*> func=<*bbb...b*> errno=<*ccc*> detail=<*dd-eeee*>

[Classification]   ERROR

[Explanation]   Error occurred in the access of the control path (special file).

This message is output on UNIX system.

aaa...a	:	Special file name
bbb...b	:	Function number
ccc	:	Error number
dd-eeee	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the FC connection to the disk array and the state of the disk array, and remove the failure.

iSM03220: Control path access failed. Disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) func=<*fff...f*> errno=<*ggg*> detail=<*hh-iiii*>

[Classification]   ERROR

[Explanation]   Error occurred in the access of the control path (disk).

This message is output on Windows system.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

fff...f	:	Function number
ggg	:	Error number
hh-iiii	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the FC connection to the disk array and the state of the disk array, and remove the failure.

51

iSM03221: Control path access failed. file=<*aaa...a*> command=(<*bbb...b*>) status=(<*cc*>/<*dd*>/<*ee*>/<*ff*>) detail=<*gg-hhhh*>

[Classification]   ERROR

[Explanation]   A command error occurred.   A failure may exist in the disk array.
This message is output on UNIX system.

aaa...a	:	Special file name
bbb...b	:	Command Descriptor Block of the issued command
cc	:	Status Byte
dd	:	Sense Key
ee	:	Additional Sense Code
ff	:	Additional Sense Code Qualifier
gg-hhhh	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the disk array, and remove the failure.

iSM03221: Control path access failed. Disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) command=(<*fff...f*>) status=(<*gg*>/<*hh*>/<*ii*>/<*jj*>) detail=<*kk-llll*>

[Classification]   ERROR

[Explanation]   A command error occurred.   A failure may exist in the disk array.
This message is output on Windows system.
diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

fff...f	:	Command Descriptor Block of the issued command
gg	:	Status Byte
hh	:	Sense Key
ii	:	Additional Sense Code
jj	:	Additional Sense Code Qualifier
kk-llll	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the disk array, and remove the failure.

52

iSM03222: Control path access failed.
file=<*aaa...a*> command=(<*bbb...b*>)
status=(<*cccccccc*>)
detail=<*dd-eeee*>

[Classification]   ERROR

[Explanation]   A command error occurred.   A failure may exist in the disk array.

This message is output on UNIX system.

aaa...a	:	Special file name
bbb...b	:	Command Descriptor Block of the issued command
cccccccc	:	Status Byte
dd-eeee	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the FC connection to the disk array and the state of the disk array, and remove the failure.

iSM03222: Control path access failed.
Disk=(disk<*aaa*> (Port<*bbb*>
Bus<*ccc*> Target<*ddd*> Lun<*eee*>))
command=(<*fff...f*>)
status=(<*gggggggg*>) detail=<*hh-iiii*>

[Classification]   ERROR

[Explanation]   A command error occurred.   A failure may exist in the disk array.

This message is output on Windows system.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

fff...f	:	Command Descriptor Block of the issued command
gggggggg	:	Status Byte
hh-iiii	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the FC connection to the disk array and the state of the disk array, and remove the failure.

53

iSM03224: Control path is blockaded. file=(<*aaa...a*>) func=<*bbb...b*> errno=<*ccccc*> status=<*ddd...d*> (<*eee...e*> productID=<*fffff*> SN=<*ggggg*>) [UC=<*hhhhhhhh*> FC=<*ii*>][_ALERT_]

[Classification]   ERROR

[Explanation]   The control path (access to special file) was blockaded.
This message is output on UNIX system.
This message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a	:	Special file name
bbb...b	:	Function number
ccccc	:	Error number
ddd...d	:	Result of issuing of SCSI command
eee...e	:	Disk array name
fffff	:	Product ID of disk array (S2100 Disk Array etc.)
ggggg	:	Serial number of disk array
hhhhhhhh/ii	:	Maintenance information

[Measures]   Check the state of the FC connection to the disk array and the state of the disk array, and remove the failure.

54

iSM03224: Control path is blockaded. disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) func=<*fff...f*> errno=<*ggggg*> status=<*hhh...h*> (<*iii...i*> productID=<*jjjjj*> SN=<*kkkkk*>) [UC=<*llllllll*> FC=<*mm*>][_ALERT_]

[Classification]   ERROR

[Explanation]   The control path (access to disk) was blockaded.

This message is output on Windows system.

This message is target of ESMPRO Manager Report, and also to be target of

ALIVE/Express Report via ESMPRO.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

fff...f	:	Function number
ggggg	:	Error number
hhh...h	:	Result of issuing of SCSI command
iii...i	:	Disk array name
jjjjj	:	Product ID of disk array (S2100 Disk Array etc.)
kkkkk	:	Serial number of disk array
llllllll/mm	:	Maintenance information

[Measures]   Check the state of the FC connection to the disk array and the state of the disk

array, and remove the failure.

55

iSM03224: Control path is blockaded. ip=(*\<aaa...a\>*) func=*\<bbb...b\>* errno=*\<ccccc\>* status=*\<ddddd\>* (*\<eee...e\>* productID=*\<fffff\>* SN=*\<ggggg\>*) [UC=*\<hhhhhhhh\>* FC=*\<ii\>*][_ALERT_]

[Classification]   ERROR

[Explanation]   The control path (access to SVP) was blockaded.

This message is target of ESMPRO Manager Report, and also to be target of

ALIVE/Express Report via ESMPRO.

aaa...a	:	IP address
bbb...b	:	Function number
ccccc	:	Error number
ddddd	:	Result of issuing of SCSI command
eee...e	:	Disk array name
fffff	:	Product ID of disk array (S2100 Disk Array etc.)
ggggg	:	Serial number of disk array
hhhhhhhh/ii	:	Maintenance information

[Measures]   Check the state of the network connection to the disk array and the state of the

disk array, and remove the failure.

56

iSM03225: Data can not be gotten sequentially during split mode.Disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) reason=(invalid sequence) detail=<*ff-gggg*>

[Classification]   ERROR

[Explanation]   Obtaining data failed in command divided transfer.   The message indicates that retry processing could not obtain correct data either.

diskaaa (Portbbb Busccc Targetddd Luneee): Disk information

ff-gggg   :   Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the status of the disk array, and remove the failure.   Restart monitoring manually if necessary.

iSM03300: SVP has restarted. ip=<*aaa...a*> detail=<*bb-cccc*>

[Classification]   INFO

[Explanation]   Service processor (SVP) has become available for use.

aaa...a   :   IP address of service processor(SVP)

bb-cccc   :   Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Unnecessary

57

iSM03301: SVP failed. name=(<*aaa...a*>) ip=<*bbb...b*> detail=<*cc-dddd*>

[Classification]   INFO

[Explanation]   Service processor(SVP) has become unavailable for use due to a problem.

If SVP is in redundant composition, iSM server will continue processing by switching the SVP.

aaa...a   : Disk array name

bbb...b   : IP address of service processor (SVP)

cc-dddd   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of SVP, and remove the failure.

iSM03302: UDP port is in use. SNMP trap can not be collected. detail=<*aa-bbbb*>

[Classification]   WARNING

[Explanation]   The SNMP TRAP receiving is not possible because the SNMP TRAP receiving port number 162 of the server operated by iSM server cannot be used.

Therefore, swift collecting of trouble information is not available, and it has to be collected by polling. The port may be used by other application.

aa-bbbb   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   By making the port number 162 available to use, the SNMP TRAP receiving can be done normally.   Especially, it is easy to use the SNMP TRAP service on the Windows system by installing it in the system and executing the environment settings.

iSM03303: SNMP trap has been available. detail=<*aa-bbbb*>

[Classification]   INFO

[Explanation]   SNMP TRAP has changed the receiving status from unavailable to available.

SNMP TRAP receiving can be done. iSM server has become available to swiftly

report trouble information using SNMP TRAP.

aa-bbbb   : Detail information   (This code is not disorder reason but a value

for maintenance.)

[Measures]   Unnecessary

iSM03400: File access failed. func=<*aaa...a*> path=<*bbb...b*> errno=<*ccc*> detail=<*dd-eeee*>

[Classification]   ERROR

[Explanation]   An error occurred in the file access function.   The iSM server terminates

abnormally.

aaa...a   : Function number

bbb...b   : Path name

ccc   : Error number

dd-eeee   : Detail information   (This code is not disorder reason but a value

for maintenance.)

[Measures]   Check the function name and error number, and resolve the hindrance.   Restart

the iSM serve if necessary.

59

iSM03410: Socket access failed. func=<*aaa...a*> errno=<*bbb*> detail=<*cc-dddd*>

[Classification]   ERROR

[Explanation]   Error occurred in the socket access function.   iSM server will be terminated abnormally.

aaa...a   : Function number

bbb   : Error number

cc-dddd   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the function name and error number, and resolve the hindrance.   Restart the iSM server if necessary.

iSM03411: Socket access failed. func=<*aaa...a*> path=<*bbb...b*> errno=<*ccc*> detail=<*dd-eeee*>

[Classification]   ERROR

[Explanation]   Error occurred in the socket access function.   iSM server will be terminated abnormally.

aaa...a   : Function number

bbb...b   : Socket path

ccc   : Error number

dd-eeee   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the function name and error number, and resolve the hindrance.   Restart the iSM server if necessary.

iSM03420: Memory access failed. func=*<aaa...a>* errno=*<bbb>* detail=*<cc-dddd>*

[Classification]   ERROR

[Explanation]   Error occurred in the memory access function. iSM server will be terminated abnormally.
This message is output on UNIX system.

aaa...a	:	Function number
bbb	:	Error number
cc-dddd	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the function name and error number, and resolve the hindrance.   Restart the iSM server if necessary.

iSM03430: System call error occurred. func=*<aaa...a>* errno=*<bbb...b>* detail=*<cc-dddd>*

[Classification]   ERROR

[Explanation]   Error occurred in the system function.   iSM server will be terminated abnormally.
This message is output on UNIX system.

aaa...a	:	Function number
bbb...b	:	Error number
cc-dddd	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the function name and error number, and resolve the hindrance.   Restart the iSM server if necessary.

61

iSM03440: iSMmknod is running.
detail=<*aa-bbbb*>

[Classification]   ERROR

[Explanation]   iSM server cannot be activated because iSMmknod command is being executed.
This message is output on UNIX system.

aa-bbbb   :   Detailed information (This code is not disorder reason but a
value for maintenance.)

[Measures]   Wait for completion of iSMmknod command and restart the iSM server.

iSM03441: iSMmknod is not yet executed.
detail=<*aa-bbbb*>

[Classification]   ERROR

[Explanation]   It shows that auto_find_spf cannot start the iSM server because the iSMmknod
command is not yet executed (or not ended normally).

aa-bbbb   :   Detail information   (This code is not disorder reason but a value
for maintenance.)

[Measures]   Restart the iSM server after checking that iSMmknod command ended normally,
or after changing to the disk array connection to TCP/IP by deleting
auto_find_spf setting in the environment definition file.

iSM03442: iSMvollist is running.
detail=<*aa-bbbb*>

[Classification]   ERROR

[Explanation]   It shows that the iSM server cannot be started because iSMvollist command is
running.

aa-bbbb   :   Detail information   (This code is not disorder reason but a value
for maintenance.)

[Measures]   Restart the iSM server after iSMvollist command ended.

62

iSM03500: Internal error occurred. detail=<*aa-bbbb*>

[Classification] ERROR

[Explanation] Internal error has occurred under the agent management. The iSM server terminates abnormally.

aa-bbbb : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures] Save the following information and restart the iSM server.
iSM operation log
syslog (for Unix)
event log (for Windows)

iSM03900: Process is busy when it terminates emergency. Unexpected error message maybe generated.

[Classification] WARNING

[Explanation] It indicates that the agent management detected an emergency stop, but the process is unable to terminate immediately.
This message is output on Windows system.

[Measures] Unnecessary

iSM04000 ~

iSM04020:　Function Error has occurred name=<*aaa...a*> code=<*bbbbb*> errno=<*ccccc*>

[Classification]　　NOTICE

[Explanation]　　It shows that a function error has occurred.
　　　　　　　　aaa...a　　：　Function name
　　　　　　　　bbbbb　　：　Internal code
　　　　　　　　ccccc　　：　Error number

[Measures]　　Check the settings relevant to the applicable function.

iSM04021:　Internal Error has occurred code=<*aaaaa*> errno=<*bbbbb*>

[Classification]　　NOTICE

[Explanation]　　It shows that an internal error has occurred.
　　　　　　　　aaaaa　　：　Internal code
　　　　　　　　bbbbb　　：　Error number

[Measures]　　Check the server operation environment and the various settings.

iSM04022:　Message send error has occurred process=<*aaa...a*> reason=<*bbb*>

[Classification]　　WARNING

[Explanation]　　Failed in the transmission to the message queue.
　　　　　　　　This message is output on UNIX system.　　(Output only to syslog)
　　　　　　　　aaa...a　　：　Process name
　　　　　　　　bbb　　：　Reason of transmission failure
　　　　　　　　　　　　001　：　Incorrect transmission demand data
　　　　　　　　　　　　002　：　msgsnd() failure
　　　　　　　　　　　　003　：　Others

[Measures]　　Check the server operation environment (system constant relevant to message queue) and various settings.

64

iSM04023:　File write error has occurred
file=<*aaa...a*>

[Classification]　　ERROR

[Explanation]　　Failed in writing to the file.

aaa...a　　　　：　File name

[Measures]　　Check the status of applicable file.　(Writing down authority, etc.)

If a generation management file (iSM_Log.cnt) name is indicated, the generation

number managed by the generation management file is invalid, and backup

operation for the generation file may not be performed normally.

Terminate the iSM server, and then delete files under the directory containing the

log file in order to return it into the initial status.　(Before deleting the files

under the directory, make the backup copies of the files if necessary.)

iSM04024:　File read error has occurred
file=<*aaa...a*>

[Classification]　　ERROR

[Explanation]　　Failed in reading the file.

aaa...a　　　　：　File name

[Measures]　　Check the status of applicable file.　(Read out authority, etc.)

If a generation management file (iSM_Log.cnt) name is indicated, a generation

file is not created, and the log file may be overwritten.

Terminate the iSM server, and then delete files under the directory containing the

log file in order to return it into the initial status.　(Before deleting the files

under the directory, make the backup copies of the files if necessary.)

iSM04025: File open error has occurred file=<*aaa...a*>

[Classification]   ERROR

[Explanation]   Failed in opening the file.
aaa...a   : File name

[Measures]   Check the existence and the status of the applicable file.
If a generation management file (iSM_Log.cnt) name is indicated, the generation
number managed by the generation management file is invalid, and backup
operation for the generation file may not be performed normally.
Terminate the iSM server, and then delete files under the directory containing the
log file in order to return it into the initial status.   (Before deleting the files
under the directory, make the backup copies of the files if necessary.)

iSM04030: Last message repeated <*aaa*> times

[Classification]   INFO

[Explanation]   The same message is being output repeatedly.
aaa   : Repeating time

[Measures]   Unnecessary

iSM04040: Log File has swapped. The latest backup=<*aa*>

[Classification]   WARNING

[Explanation]   The log file was swapped.
aa   : The newest backup file number

[Measures]   Unnecessary   (This message indicates that the operation is executed normally.)

66

iSM04060: Log File write started host=<*aaa...a*>

[Classification]   INFO

[Explanation]   It shows that writing into the operation log has started.

aaa...a   : Host name of the machine running iSM server

[Measures]   Unnecessary

67

iSM06000 ~

iSM06020: Function Error has occurred name=<*aaa...a*> code=<*bbbbb*> errno=<*ccccc*>

[Classification]   NOTICE

[Explanation]   It shows that a function error has occurred.

aaa...a	:	Function name
bbbbb	:	Internal code
ccccc	:	Error number

[Measures]   Check the settings relevant to the applicable function.

iSM06021: Internal Error has occurred code=<*aaaaa*> errno=<*bbbbb*>

[Classification]   NOTICE

[Explanation]   It shows that an internal error has occurred.

aaaaa	:	Internal code
bbbbb	:	Error number

[Measures]   Check the server operation environment and various settings.

iSM06029: Message driven definition file does not exist. file=<*aaa...a*>

[Classification]   WARNING

[Explanation]   It shows that message driven definition file does not exist.

aaa...a	:	File name

[Measures]   If using the message driven function, take the action below.

For UNIX   :   Check the directory for storing the definition file and make the file correctly.

For Windows: Set link information in the environment setting.

68

iSM06030: Message driven definition file cannot open. errno=<*aaaaa*> file=<*bbb...b*>

[Classification]   WARNING

[Explanation]   It shows that opening of the message driven definition file has failed.

    aaaaa   : Error number

    bbb...b   : File name

[Measures]   Check the status of definition file.   The definition files are stored in the following:

    For UNIX   : /etc/iSMsvr/msgdrv.conf

    For Windows: installation directory\conf\iSMsvr\msgdrv.conf

iSM06031: Message driven definition file cannot read. line=<*aaa*> errno=<*bbbbb*>

[Classification]   WARNING

[Explanation]   It indicates that reading the message driven definition file has failed.

    aaa   : Error line number

    bbbbb   : Error number

[Measures]   Check the status of the definition file (such as the reading authority).   The definition files are stored in the following:

    For UNIX   : /etc/iSMsvr/msgdrv.conf

    For Windows: installation directory\conf\iSMsvr\msgdrv.conf

iSM06032: Message driven definition file error. First line is not "[SERVER]"

[Classification]   WARNING

[Explanation]   It indicates that the first line of message driven definition file is not [SERVER].

[Measures]   Take the measures below.

    For UNIX   : The header should be [SERVER].   Check the content of the file.

    For Windows: Check the link information in the environment setting, and specify the setting again.

69

iSM06033: Message driven definition file error. <*aaa...a*> overlaps. line=<*bbb*>

[Classification]　　WARNING

[Explanation]　　It indicates that "SMTP", "SMTP_PORT", "POP", "POP_PORT", "AUTH", "USER", "PASSWORD", or "HEADER" overlaps in the message driven definition file.

　　　　　　　　aaa...a　　　 :　"SMTP", "SMTP_PORT", "POP", "POP_PORT", "AUTH", "USER", "PASSWORD", or "HEADER"

　　　　　　　　bbb　　　　 :　Error line number

[Measures]　　Take the measures below.

　　　　　　　　For UNIX　 :　Check the syntax of the definition file and describe it correctly.

　　　　　　　　For Windows:　Check the link information in the environment setting, and specify the setting again.

iSM06034: Message driven definition file error. First word is not keyword. line=<*aaa*>

[Classification]　　WARNING

[Explanation]　　It indicates that it is the applicable line of message driven definition file and the first word is not a keyword.

　　　　　　　　aaa　　　　 :　Error line number

[Measures]　　Take the measures below.

　　　　　　　　For UNIX　 :　Check the syntax of the definition file and describe it correctly.

　　　　　　　　For Windows:　Check the link information in the environment setting, and specify the setting again.

70

iSM06035: Message driven definition file error. '=' does not exist. line=<*aaa*>

[Classification]   WARNING

[Explanation]   It indicates that there is no "=" in the applicable line of the message driven
definition file.
aaa   : Error line number

[Measures]   Take the measures below.
For UNIX   : Check the syntax of the definition file and describe it correctly.
For Windows: Check the link information in the environment setting, and
specify the setting again.

iSM06036: Message driven definition file error. Parentheses are not matched. line=<*aaa*>

[Classification]   WARNING

[Explanation]   It indicates that the parenthesis is not suitable for the applicable line of the
message driven definition file.
aaa   : Error line number

[Measures]   Take the measures below.
For UNIX   : Check the syntax of the definition file and describe parentheses
correctly.
For Windows: Check the link information in the environment setting, and
specify the setting again.

iSM06037: Message driven definition file error. <*aaa...a*> is not defined

[Classification]   WARNING

[Explanation]   It indicates that there is no definition of "SMTP", "POP", or "USER" in the
message driven definition file.
aaa...a   : "SMTP", "POP", or "USER"

[Measures]   Take the measures below.
For UNIX   :   Check the syntax of the definition file and describe SMTP, POP,
or USER definition correctly.
For Windows: Check the link information in the environment setting, and
specify the setting again.

iSM06038: Message driven definition file error. Exceed 256 bytes. line=<*aaa*>

[Classification]   WARNING

[Explanation]   It indicates that the applicable line of the message driven definition file exceeded
256 bytes.
aaa   : Error line number

[Measures]   Take the measures below.
For UNIX   :   Check the applicable line of the definition file and describe it
within 256 bytes.
For Windows: Check the link information in the environment setting, and
specify the setting again.

iSM06039: Message driven definition file error. "shell" and "mail" exceeded 10. line=<*aaa*>

[Classification]   WARNING

[Explanation]   It indicates that definition number of either "shell" or "mail" at the same level

exceeded 10 in the applicable line of the message driven definition file.

aaa   : Error line number

[Measures]   Take the measures below.
For UNIX   : Check the applicable line of the definition file and reduce the
description number of definition.
For Windows: Check the link information in the environment setting, and
specify the setting again.

iSM06040: Header file cannot open. errno=<*aaaaa*>

[Classification]   WARNING

[Explanation]   It indicates that opening a header file has failed.

aaaaa   : Error number

[Measures]   Check header file name (header file name specified in message driven definition

file on UNIX system, or mail header file name specified in link information of

environment settings on Windows system), and check presence/absence and

status of file.

73

iSM06041: Header file cannot read. errno=<*aaaaa*>

[Classification]   WARNING

[Explanation]   It indicates that reading a header file has failed.

aaaaa   :   Error number

[Measures]   Check header file name (header file name specified in message driven definition file on UNIX system, or mail header file name specified in link information of environment settings on Windows system), and check the state of the file (such as reading authority, etc.).

iSM06042: Header file's mail-body size over 1024 bytes

[Classification]   WARNING

[Explanation]   It indicates that the mail-body size of header file was over 1024 bytes.

[Measures]   Check header file name (header file name specified in message driven definition file on UNIX system, or mail header file name specified in link information of environment settings on Windows system), and reduce the mail-body size.

iSM06043: Header file error. First line does not begin with "FROM:"

[Classification]   WARNING

[Explanation]   It indicates that the first line of the header file does not start with "FROM:".

[Measures]   Check header file name (header file name specified in message driven definition file on UNIX system, or mail header file name specified in link information of environment settings on Windows system), and check the first line of the file.

74

iSM06044: Header file error. No character following "FROM:"

[Classification]   WARNING

[Explanation]   It indicates that nothing is written next to first "FROM:" in the header file.

[Measures]   Check header file name (header file name specified in message driven definition file on UNIX system, or mail header file name specified in link information of environment settings on Windows system), and check the first line of the file.

iSM06045: Header file error. Line exceeds 256 bytes. line=<*aaa*>

[Classification]   WARNING

[Explanation]   It indicates that the applicable line of header file exceeds 256 bytes.

    aaa   :   Error line number

[Measures]   Check header file name (header file name specified in message driven definition file on UNIX system, or mail header file name specified in link information of environment settings on Windows system), and check the applicable line of the file and describe it within 256 bytes.

iSM06047: SMTP address or port number error

[Classification]   WARNING

[Explanation]   It indicates that the specified SMTP address or the port number specified in SMTP_PORT is incorrect.

[Measures]   Specify SMTP by the DNS name or IP address of the SMTP server and SMTP_PORT by the port number of the SMTP server.

iSM06048: POP address or port number error

[Classification]　　WARNING

[Explanation]　　It indicates that the specified POP address or the port number specified in POP_PORT is incorrect.

[Measures]　　Specify POP by the DNS name of IP address of the POP server and POP_PORT by the port number of the POP server.

iSM06050: Shell file does not exist. file=<*aaa...a*>

[Classification]　　WARNING

[Explanation]　　It indicates that shell file does not exist.
　　aaa...a　　:　File name

[Measures]　　A shell file (shell file specified in message driven definition file on UNIX system, or shell file specified in link information of environment settings on Windows system) must be created in advance for preparation.

iSM06051: Shell file is not executable. file=<*aaa...a*>

[Classification]　　WARNING

[Explanation]　　It indicates that shell file cannot be executed.
　　aaa...a　　:　File name

[Measures]　　A shell file (shell file specified in message driven definition file on UNIX system, or shell file specified in link information of environment settings on Windows system) does not have the execution authority.　The shell file must be authorized to be executed as a shell.

iSM06062:　Mail server connect error. name=<*aaa...a*> code=<*bbbbb*> errno=<*ccccc*>

[Classification]　　WARNING

[Explanation]　　It indicates that the connection to mail server has failed.

　　　　　　　aaa...a　　　：　Function name

　　　　　　　bbbbb　　　：　Internal code

　　　　　　　ccccc　　　：　Error number

[Measures]　　Failed in connection with mail server (mail server specified in message driven definition file on UNIX system, or mail server specified by link information of environment settings on Windows system).　Check addresses and operations of defined mail server.

iSM06063:　Recv error (from mail server). name=<*aaa...a*> code=<*bbbbb*> errno=<*ccccc*>

[Classification]　　WARNING

[Explanation]　　It indicates that receiving from the mail server has failed.

　　　　　　　aaa...a　　　：　Function name

　　　　　　　bbbbb　　　：　Internal code

　　　　　　　ccccc　　　：　Error number (0 indicates that the socket communication via SMTP server is closed.)

[Measures]　　Check the operation of the defined mail server, and resolve the problem.

77

iSM06064: Send error (to mail server). name=<*aaa...a*> code=<*bbbbb*> errno=<*ccccc*>

[Classification]   WARNING

[Explanation]   It indicates that transmitting to mail server has failed.

aaa...a   :   Function name

bbbbb   :   Internal code

ccccc   :   Error number

[Measures]   Check the operation of the defined mail server, and resolve the problem.

iSM06065: Communication error(mail server). id=<*a*> send=<*bbb...b*> recv=<*ccc...c*>

[Classification]   WARNING

[Explanation]   It indicates that the communication error occurred with mail server.

a   :   Internal code number

bbb...b   :   Transmission information

ccc...c   :   Reception information

[Measures]   Check the operation of the defined mail server, and resolve the problem based on the information.

iSM06066: Mail server time out

[Classification]   WARNING

[Explanation]   It indicates that the operation of the mail server is slow and going to timeout.

[Measures]   Check the operation of the defined mail server, and consider the restriction of mail volume, the operation of mail sever and path's communication speed.

78

iSM06068: Authentication failed. id=<*a*> send=<*bbb...b*> recv=<*ccc...c*>

[Classification]   WARNING

[Explanation]   It indicates that authentication has failed.
    a   :   Internal code
    bbb...b   :   Transmission information
    ccc...c   :   Reception information

[Measures]   Take the measures described below.
    For UNIX   :   Check the required information for the specified authentication
                   mode, and describe it correctly.
    For Windows: Check the required information for the specified authentication
                   mode, and set the link information in the environment setting
                   again.

iSM06070: Message buffer is full. Data lost detected

[Classification]   WARNING

[Explanation]   It indicates that messages have been deleted because the message buffer capacity
    exceeded the limit.
    This message is output on UNIX system.   (Output only to syslog)

[Measures]   There are too many messages for link.   Definition must be reviewed.

79

iSM06071: Data lost recovered

[Classification]   WARNING

[Explanation]   It indicates that the message lost by the overflow of message buffer has been recovered.
This message is output on UNIX system.   (Output only to syslog)

[Measures]   This message is output in pair with iSM06070, which indicates that too many messages to be linked exist, and indicates recovery of the error indicated by iSM06070.   Refer to iSM06070 for the recovery processing.

iSM06080: Definition change is successful

[Classification]   INFO

[Explanation]   It indicates that the definition change was successful.

[Measures]   Unnecessary   (Normal operation).

iSM06081: Definition change error. Message driven function does not start

[Classification]   WARNING

[Explanation]   It indicates that it failed to change the definition. The driven function does not operate till it succeeds.

[Measures]   While trying to change the definition with the iSM server running, the definition error occurred. Correct the definition error and execute the change command again.

iSM06082: Definition change error. Message driven function continues to operate by previous definition

[Classification]   WARNING

[Explanation]   The definition change was failed. The driven function operates by the old function before changing.

[Measures]   While trying to change the definition with iSM server operating, the definition error occurred. Correct the definition error and execute the change command again.

iSM06083: Making directory for core dump file error. code=<*aaaaa*> path=<*bbb...b*> errno=<*ccccc*>

[Classification]   ERROR

[Explanation]   It indicates that it failed to create directory to output core dump file.
    aaaaa   : Code number
    bbb...b   : Directory name
    ccccc   : Error number

[Measures]   There is an error in the authority of installation directory and so on.

iSM06084: Change directory error.name= <*aaa...a*> path=<*bbb...b*> errno=<*ccccc*>

[Classification]   ERROR

[Explanation]   It indicates that the directory change has been failed.
    aaa...a   : Function name
    bbb...b   : Directory name
    ccccc   : Error number

[Measures]   There is an error in the authority of installation directory and so on.

81

iSM06085:　Making directory for message file error. name=<*aaa...a*> path=<*bbb...b*> errno=<*ccccc*>

[Classification]　ERROR

[Explanation]　It indicates it failed to create the message file directory.
aaa...a　　：　Function name
bbb...b　　：　Directory name
ccccc　　　：　Error number

[Measures]　There is an error in the authority of installation directory and so on.

iSM06086:　Mail process count over. This message is canceled. msg=<*aaa...a*>

[Classification]　WARNING

[Explanation]　The mail of the applicable message could not be transmitted, because the processing number of mail transmission and shell start per one minute exceeded the limit. The driving process stops for maximum of one minute, and the driving to the message occurred during stop process is not executed.
aaa...a　　：　Message

[Measures]　Number of mails and shell start by driving is too much. The definition should be reviewed, or the way of mail transmission or shell start operating method should be considered.

iSM06087:　Shell process count over. This message is canceled. msg=<*aaa...a*>

[Classification]　WARNING

[Explanation]　The shell start of the applicable message could not be executed, because the processing number of mail transmission and shell start per one minute exceeded the limit.　The driving process stops for maximum of one minute, and the driving to the message occurred during stop process is not executed.
aaa...a　　：　Message

[Measures]　Number of mails and shell start by driving is too much.　The definition should be reviewed, or the way of mail transmission or shell start operating method should be considered.

82

iSM06088: Message driven processing stopped for excess of number of processes was resumed

[Classification]   WARNING

[Explanation]   The driving process, which has been cancelled because the processing number of mail transmission and shell start per one minute exceeded the limit, has been released.

[Measures]   Take the measures according to messages of iSM06086 and iSM06087 that appear at the same time.

iSM06091: Message driven definition file error. Syntax error existed. line=<*aaa*>

[Classification]   WARNING

[Explanation]   It indicates that there is keyword error in the applicable line of the message driven definition file.
aaa   : Error line number

[Measures]   Take the measures below.
For UNIX   : Check the applicable line of the message driven definition file and correct the definition.
For Windows: Check the link information in the environment setting, and specify the setting again.

83

iSM06092: Message driven definition file error. Number of "," is not right. line=<aaa>

[Classification]   WARNING

[Explanation]   It indicates that " , " is not suitable in the applicable line of the message driven definition file.

aaa   : Error line number

[Measures]   Take the measures below.

For UNIX   : Check the applicable line of the message driven definition file and correct the definition.

For Windows: Check the link information in the environment setting, and specify the setting again.

iSM06093: Message driven definition file error. "HEADER" is not defined

[Classification]   WARNING

[Explanation]   It indicates that "HEADER" is required but it is not defined in the message driven definition file.

[Measures]   Take the measures below.

For UNIX   : Check the applicable line of the message driven definition file and modify the definition.

For Windows: Check the link information in the environment setting, and specify the setting again.

iSM06099: Message driven definition file error. id=<*a*> line=<*bbb*>

[Classification] WARNING

[Explanation] It indicates that incorrect description exists in the message driven definition file.

    a   : Error Classification

        0 : Some character follows the [SERVER] or [LEVEL].

        1 : A position of "=" is inappropriate or "=" does not exist.

        2 : No character follows "=".

        3 : Invalid character exists in the end of line.

        4 : A position of ") " is inappropriate.

        5 : A position of "," is inappropriate.

        6 : A position of " " " is inappropriate.

        7 : A position of "shell(" or "mail(" is inappropriate.

        8 : The description of file name or address does not exist.

        9 : Non-numeric character exists in the port number (SMTP_PORT or POP_PORT).

        10: Incorrect authentication type is specified for AUTH.

    bbb : Error line number

[Measures] Take the measures below.

    For UNIX   : Check the applicable line of the message driven definition file and describe the correct definition.

    For Windows: Check the link information in the environment setting, and specify the setting again.

85

iSM06902: Message customize function error. reason=<*aaa...a*> [func=<*bbb...b*>] [errno=<*ccc*>] [line=<*ddd*>] [detail=<*eee...e*>]

[Classification]   ERROR

[Explanation]   It shows that an error occurred in the message customizing function.

This message is output on Windows system.

aaa...a   :   error contents

    system call error   : System call error

    file definition error : File description error

    internal error   : Internal error

bbb...b :   System function name

ccc   :   Error number

ddd   :   Error line number

eee...e   :   Detailed information

    message ID not found   : No valid message ID

    Double definition of message ID : Message ID defined duplicately

    value of registry is wrong   : Invalid registry

[Measures]   Take appropriate measures after confirming the error contents, and restart the iSM server.

iSM07000 ~

iSM07011: Resource monitoring started. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*>)

[Classification]   INFO

[Explanation]   It indicates that state monitoring to disk array (name: aaa...a) has been started.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array

[Measures]   Unnecessary

iSM07012: Resource monitoring started. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*>)　[UC=<*dddddddddd*> FC=<*ee*>][_ALERT_]

[Classification]   INFO

[Explanation]   It indicates that state monitoring to disk array (name: aaa...a) started. This message is output at start from the fault status.

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddddddddd/ee	:	Maintenance information

[Measures]   Unnecessary

87

iSM07021: Resource monitoring stopped. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*>)

[Classification]　INFO

[Explanation]　It indicates that state monitoring to disk array (name: aaa...a) has been stopped.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a　　　：　Disk array name

bbbbb　　　：　Product ID of disk array (S2100 Disk Array etc.)

ccccc　　　：　Serial number of disk array

[Measures]　Unnecessary

iSM07022: Resource monitoring stopped for maintenance. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*>)

[Classification]　INFO

[Explanation]　It indicates that state monitoring to disk array (name: aaa...a) was stopped because the status of maintenance operation was detected.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a　　　：　Disk array name

bbbbb　　　：　Product ID of disk array (S2100 Disk Array etc.)

ccccc　　　：　Serial number of disk array

[Measures]　Unnecessary (after the end of maintenance operation, the monitoring is automatically restarted.)

88

iSM07023: Resource monitoring stopped by control path fault. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that trouble of control path caused the stop of monitoring to disk array (name: aaa...a).

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddddddddd/ee	:	Maintenance information

[Measures]   Investigate the cause from related other messages and restart the monitoring after the trouble recovery.　The monitoring can be restarted from iSM client.

iSM07024: Resource monitoring stopped by information collecting failure. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that state monitoring to disk array (name: aaa...a) has been stopped by information collecting failure.

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a   : Disk array name

bbbbb   : Product ID of disk array (S2100 Disk Array etc.)

ccccc   : Serial number of disk array

dddddddddd/ee : Maintenance information

[Measures]   Specify the cause with related other messages and restart the monitoring after the trouble recovery.

iSM07025: Resource monitoring stopped for configuration. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*)

[Classification]   INFO

[Explanation]   It indicates that state monitoring to disk array (name: aaa...a) has been stopped with the start of configuration setting.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a   : Disk array name

bbbbb   : Product ID of disk array (S2100 Disk Array etc.)

ccccc   : Serial number of disk array

[Measures]   Start monitoring if necessary after configuration setting is complete.   Restart can be selected also.

90

iSM07026: Resource monitoring changes to recovery mode.(*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that the monitoring for the disk array (name: aaa...a) became
impossible to continue due to disk array failure or control path failure, and the
system is turned into the monitoring recovery waiting status.
For Windows, this message is target of ESMPRO Manager Report, and also to
be target of ALIVE/Express Report via ESMPRO.

    aaa...a   : Disk array name
    bbbbb   : Product ID of disk array (S2100 Disk Array etc.)
    ccccc   : Serial number of disk array
    dddddddddd/ee : Maintenance information

[Measures]   Monitoring will be restarted automatically if the failure is a temporary failure.
Take appropriate measures if monitoring will not restart automatically even after
waiting for a while.   There may be a permanent failure for control path.

iSM07031: Request to stop server is waiting for termination of configuration.

[Classification]   INFO

[Explanation]   It indicates that server termination request is placed in wait status until
configuration setting is over.

[Measures]   The server is automatically terminated once configuration setting is over.   To
forcibly terminate the server, execute forcible termination of the server.

91

iSM07032: Request to stop monitoring resource is waiting for termination of other request. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   It indicates that a state monitoring stop command to disk array (name: aaa...a) is waiting for the end of other command processing.   The monitoring of disk array automatically stops after the end of the processing that has been requested.

aaa...a   :   Disk array name

[Measures]   Unnecessary

iSM07033: Request to start monitoring resource is accepted. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   It indicates that request for starting state monitoring to disk array (name: aaa...a) is accepted.

aaa...a   :   Disk array name

[Measures]   Unnecessary

iSM07034: Request to stop monitoring resource is accepted. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   It indicates that request for stopping state monitoring to disk array (name: aaa...a) is accepted.

aaa...a   :   Disk array name

[Measures]   Unnecessary

92

iSM07035: Retrying to start monitoring resource is started. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   It indicates that an attempt has been made to restart state monitoring to disk array (name: aaa...a) that stopped operation due to failure.
aaa...a   : Disk array name

[Measures]   Unnecessary

iSM07091: Control path access to <*aaa...a*> failed. (status=<*bbbb*>h/<*cc*>h/ <*dddddddd*>h/<*eeeeeeee*>h/<*ffffff*>h)

[Classification]   WARNING

[Explanation]   It indicates that the administration command to disk array (name: aaa...a) ended due to an error.
aaa...a   : Disk array name
bbbb/cc/dddddddd/eeeeeeee/ffffff   : Status Code

[Measures]   Check whether the trouble of disk array or the access path failure between disk array and server occurs.

iSM07092: Collecting information failed. (<*aaa...a*>)

[Classification]   WARNING

[Explanation]   It indicates that it failed to generate information about disk array (name: aaa...a).
aaa...a   : Disk array name

[Measures]   Specify the cause from related other messages and restart the monitoring after the trouble recovery.   The monitoring can be restarted from iSM client.

93

iSM07093: Monitoring function is blockaded.

[Classification]   ERROR

[Explanation]   It indicates that state monitoring to the iSM server is blockaded.

[Measures]   Collect information and restart the iSM server if necessary.   For how to collect
the information, refer to "Information Gathering Method when Server Fault with
Unknown Cause" of the "User's Manual".

iSM07094: Illegal data has detected. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> status=<*ddddd*>h/<*eeeee*>h)

[Classification]   ERROR

[Explanation]   It indicates that a response from disk array (name: aaa...a) is illegal.
aaa...a   : Disk array name
bbbbb   : Product ID of disk array (S2100 Disk Array etc.)
ccccc   : Serial number of disk array
ddddd/eeeee : Status code

[Measures]   Check the status of the faulty disk array and perform the appropriate
maintenance.

94

iSM07095: Inconsistency of resources information(<*aaaaa*>) was detected. (<*bbb...b*> productID=<*ccccc*> SN=<*ddddd*>)

[Classification]   ERROR

[Explanation]   It indicates that inconsistency of configuration information is detected in resource (aaaaa) of disk array (name: bbb...b).

     aaaaa   : Resource type (LD, etc.)

     bbb...b   : Disk array name

     ccccc   : Product ID of disk array (S2100 Disk Array etc.)

     ddddd   : Serial number of disk array

[Measures]   Check the resource with incorrect configuration, and correct the configuration.

95

iSM07101: State of PD(*<aa>*h) has become ready. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)

[Classification]   INFO

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) has become ready.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S4300 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=*<xxxx>*h PoolName=*<yyy...y>*

Indicates pool information. (for the disk arrays with pool)

xxxx   :   Pool number

yyy...y :   Pool name

- RankNo=*<xx>*h-*<yy>*h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy   :   RANK number

[Measures]   Unnecessary

96

iSM07102: State of PD(<*aa*>h) has become fault. (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)[_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that trouble occurred in the physical disk (number: ee-ff) of disk array (name: bbb...b).

For Windows, this message is target of ESMPRO Manager Report.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S4300 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

Indicates pool information. (for the disk arrays with pool)

xxxx	:	Pool number
yyy...y	:	Pool name

- RankNo=<*xx*>h-<*yy*>h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy	:	RANK number

[Measures]   Check the status of resource with the trouble and perform the appropriate maintenance.

97

iSM07104: State of PD(<*aa*>h) has become attn(rebuilding). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)[_ALERT_]

[Classification]   NOTICE

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) is rebuilding data.

For Windows, this message is target of ESMPRO Manager Report.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S4300 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

Indicates pool information. (for the disk arrays with pool)

xxxx	:	Pool number
yyy...y	:	Pool name

- RankNo=<*xx*>h-<*yy*>h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy	:	RANK number

[Measures]   Unnecessary

98

iSM07105: State of PD(<*aa*>h) has become attn(powering up). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)

[Classification]	NOTICE

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) is starting up.

      aa   : Internal number indicating physical disk type

      bbb...b   : Disk array name

      ccc...c   : Product ID of disk array (S4300 Disk Array etc.)

      ddd...d   : Serial number of disk array

      ee-ff   : Physical disk number

      ggg...g   : Information of RANK or pool where the physical disk belongs

           - PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

             Indicates pool information. (for the disk arrays with pool)

               xxxx   :   Pool number

               yyy...y :   Pool name

           - RankNo=<*xx*>h-<*yy*>h

             Indicates RANK information. (for other than the disk arrays with pool)

               xx-yy   :   RANK number

[Measures]   Unnecessary (It usually becomes ready within a few seconds.   If the status does not become ready, perform the appropriate maintenance because some trouble may occur).

99

iSM07106: State of PD(*<aa>*h) has become attn(formatting). (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)

[Classification]   NOTICE

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) is being formatted.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S4300 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=*<xxxx>*h PoolName=*<yyy...y>*

Indicates pool information. (for the disk arrays with pool)

xxxx	:	Pool number
yyy...y	:	Pool name

- RankNo=*<xx>*h-*<yy>*h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy	:	RANK number

[Measures]   Unnecessary

100

iSM07108: State of PD(<*aa*>h) has become offline. (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)

[Classification]   ERROR

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) has been in the off line status.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S4300 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

   Indicates pool information. (for the disk arrays with pool)

   xxxx   :   Pool number

   yyy...y :   Pool name

- RankNo=<*xx*>h-<*yy*>h

   Indicates RANK information.   (for other than the disk arrays with pool)

   xx-yy   :   RANK number

[Measures]   Check the physical disk in which the state transition occurred, and perform the appropriate maintenance.

101

iSM07109:　State of PD(<*aa*>h) has become ready. (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)[_ALERT_]

[Classification]　　INFO

[Explanation]　　It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b)

has rebuilt data and its status has changed to "ready".

For Windows, this message is target of ESMPRO Manager Report.

aa　　　　　:　Internal number indicating physical disk type

bbb...b　　　:　Disk array name

ccc...c　　　:　Product ID of disk array (S4300 Disk Array etc.)

ddd...d　　　:　Serial number of disk array

ee-ff　　　　:　Physical disk number

ggg...g　　　:　Information of RANK or pool where the physical disk belongs

　　　-　PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

　　　　Indicates pool information. (for the disk arrays with pool)

　　　　xxxx　　:　Pool number

　　　　yyy...y　:　Pool name

　　　-　RankNo=<*xx*>h-<*yy*>h

　　　　Indicates RANK information.　(for other than the disk arrays with pool)

　　　　xx-yy　　:　RANK number

[Measures]　　Unnecessary

iSM07111: State of *<aaaaa>*(*<bb>*h[-*<cc>*h]) has become ready. (*<ddd...d>* productID=*<eeeee>* SN=*<fffff>* No=*<gg>*h)

[Classification]   INFO

[Explanation]   It indicates that the component* (abbreviated name: aaaaa, number: gg) of disk

array (name: ddd...d) has become ready.

aaaaa	:	Abbreviated name of component
bb-cc	:	Internal number indicating component type
ddd...d	:	Disk array name
eeeee	:	Product ID of disk array (S2100 Disk Array etc.)
fffff	:	Serial number of disk array
gg	:	Component number

*except for logical disk/physical disk

[Measures]   Unnecessary

iSM07112: State of *<aaaaa>*(*<bb>*h[-*<cc>*h]) has become fault. (*<ddd...d>* productID=*<eeeee>* SN=*<fffff>* No=*<gg>*h)[_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that trouble occurred in the component* (abbreviated name: aaaaa,

number: gg) of disk array (name: ddd...d).

For Windows, this message is target of ESMPRO Manager Report.

aaaaa	:	Abbreviated name of component
bb-cc	:	Internal number indicating component type
ddd...d	:	Disk array name
eeeee	:	Product ID of disk array (S2100 Disk Array etc.)
fffff	:	Serial number of disk array
gg	:	Component number

*except for logical disk/physical disk

[Measures]   Check the status of the resource with the trouble and perform the appropriate

maintenance.

103

iSM07113: State of *<aaaaa>*(*<bb>*h[-*<cc>*h]) has become offline. (*<ddd...d>* productID=*<eeeee>* SN=*<fffff>* No=*<gg>*h)

[Classification]   ERROR

[Explanation]   It indicates that the component* (abbreviated name: aaaaa, number: gg) of disk array (name: ddd...d) has become removed (or not existed).

aaaaa	:	Abbreviated name of component
bb-cc	:	Internal number indicating component type
ddd...d	:	Disk array name
eeeee	:	Product ID of disk array (S2100 Disk Array etc.)
fffff	:	Serial number of disk array
gg	:	Component number

*except for logical disk/physical disk

[Measures]   Check the resource in which the state transition occurred, and perform the appropriate maintenance.

iSM07114: State of HD(*<aa>*h) has become attn(nolicense). (*<bbb...b>* productID=*<ccccc>* SN=*<ddddd>* No=*<ee>*h)

[Classification]   NOTICE

[Explanation]   The program product BaseProduct has not been installed, and the host director (number: ee) of the disk array (name: bbb...b) is not available.

aa	:	Internal number indicating the type of the component
bbb...b	:	Disk array name
ccccc	:	Product ID of the disk array (S2200 Disk Array etc.)
ddddd	:	Serial number of disk array
ee	:	Component number

[Measures]   Install the program product BaseProduct for the host director.

104

iSM07115: State of CHE(*<aa>*h[-*<bb>*h]) has become attn(rebuilding). (*<ccc...c>* productID=*<ddd...d>* SN=*<eee...e>* No=*<ff>*h)

[Classification]   NOTICE

[Explanation]   It indicates that the cache module (number: ff) of a disk array (name: ccc...c) is rebuilding data.

aa-bb	:	Internal number indicating component type
ccc...c	:	Disk array name
ddd...d	:	Product ID of disk array (S2800 Disk Array etc.)
eee...e	:	Serial number of disk array
ff	:	Component number

[Measures]   Unnecessary

iSM07116: State of DAC_BBU(*<aa>*h[-*<bb>*h]) has become attn(charge). (*<ccc...c>* productID=*<ddd...d>* SN=*<eee...e>* No=*<ff>*h)

[Classification]   NOTICE

[Explanation]   It indicates the battery (number: ff) of disk array (name: ccc...c) is charging.

aa-bb	:	Internal number indicating component type
ccc...c	:	Disk array name
ddd...d	:	Product ID of disk array (S2800 Disk Array etc.)
eee...e	:	Serial number of disk array
ff	:	Component number

[Measures]   Unnecessary

105

iSM07121: State of LD has become ready. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>* No=*<dddd>*h Name=*<eee...e>*)

[Classification]   INFO

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) has become ready.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Unnecessary

iSM07122: State of LD has become fault. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>* No=*<dddd>*h Name=*<eee...e>*)

[Classification]   ERROR

[Explanation]   It indicates that trouble (media error) occurred in the logical disk (number: dddd,

name: eee...e) of disk array (name: aaaaa).

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Check the status of the logical disk with the trouble and perform the appropriate

maintenance.

106

iSM07123: State of LD has become fault(media error). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*> [PDN=<*ff*>h-<*gg*>h])) [_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that trouble (media error) occurred in the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a).

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2100 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name
ff-gg	:	Corresponding physical disk number (only if physical disk fault is the cause)

[Measures]   Check the status of the logical disk with the trouble and perform the appropriate maintenance.

107

iSM07124: State of LD has become attn(reduce). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   ERROR

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a) has become a reduced state*.

* RAID composition which lost redundancy by PD trouble.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Check the status of the logical disk with the trouble and perform the appropriate maintenance.

iSM07125: State of LD has become attn(rebuilding). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a) is rebuilding data.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   In relation to the measures for the logical disk caused by state transition, refer to other applicable messages.

108

iSM07126:   State of LD has become attn(preventive copy). (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>* No=*<dddd>*h Name=*<eee...e>*)

[Classification]   NOTICE

[Explanation]   It indicates that data in the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a) has been copied into spare disk.

    aaa...a   : Disk array name
    bbbbb   : Product ID of disk array (S2100 Disk Array etc.)
    ccccc   : Serial number of disk array
    dddd   : Logical disk number
    eee...e   : Logical disk name

[Measures]   Unnecessary

iSM07127:   State of LD has become attn(copy back). (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>* No=*<dddd>*h Name=*<eee...e>*)

[Classification]   NOTICE

[Explanation]   It indicates that data in the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a) has been restored from spare disk.

    aaa...a   : Disk array name
    bbbbb   : Product ID of disk array (S2100 Disk Array etc.)
    ccccc   : Serial number of disk array
    dddd   : Logical disk number
    eee...e   : Logical disk name

[Measures]   Unnecessary

109

iSM07128: State of LD has become attn(unformatted). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a) has been unformatted logically.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   In relation to the measures for resources caused by state transition, refer to other applicable messages.

iSM07129: State of LD has become attn(formatting). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a) is being formatted logically.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Unnecessary.   However, this logical disk cannot be used until logical formatting is completed.

110

iSM07130: State of LD has become attn(format-fail). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]　　NOTICE

[Explanation]　　It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) failed in formatting logically.

aaa...a 　　　：　Disk array name

bbbbb 　　　：　Product ID of disk array (S2100 Disk Array etc.)

ccccc 　　　：　Serial number of disk array

dddd 　　　：　Logical disk number

eee...e 　　　：　Logical disk name

[Measures]　　Check the status of the resource with the trouble and perform the appropriate

maintenance.

iSM07131: State of LD has become attn(expanding). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]　　NOTICE

[Explanation]　　It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) is expanding the logic.

aaa...a 　　　：　Disk array name

bbbbb 　　　：　Product ID of disk array (S2100 Disk Array etc.)

ccccc 　　　：　Serial number of disk array

dddd 　　　：　Logical disk number

eee...e 　　　：　Logical disk name

[Measures]　　Unnecessary

111

iSM07132: State of LD has become attn(expand-fail). (<*aaa...a* productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) failed in logical expansion.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Check the status of the resource with the trouble and perform the appropriate

maintenance.

iSM07133: State of LD has become ready(formatting). (<*aaa...a* productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   INFO

[Explanation]   It indicates the logical disk (number: dddd, name: eee...e) of a disk array (name:

aaa...a) is being formatted logically.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Unnecessary.   This logical disk can be used, but its I/O response may delay

until logical formatting is completed.

112

iSM07141: State of RANK has become ready. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   INFO

[Explanation]   It indicates that the RANK (number: dd-ee) of disk array (name: aaa...a) has

become ready.

    aaa...a   : Disk array name

    bbbbb   : Product ID of disk array (S2100 Disk Array etc.)

    ccccc   : Serial number of disk array

    dd-ee   : RANK number

[Measures]   Unnecessary

iSM07142: State of RANK has become fault. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h) [_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that a trouble occurred in the RANK (number: dd-ee) of disk array

(name: aaa...a).

For Windows, this message is target of ESMPRO Manager Report.

    aaa...a   : Disk array name

    bbbbb   : Product ID of disk array (S2100 Disk Array etc.)

    ccccc   : Serial number of disk array

    dd-ee   : RANK number

[Measures]   Check the status of the RANK with the trouble and perform the appropriate

maintenance.

113

iSM07143: State of RANK has become attn(reduce). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   ERROR

[Explanation]   It indicates that the RANK (number: dd-ee) of disk array (name: aaa...a) has

become in reduced state.

* RAID composition which lost redundancy by PD trouble.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dd-ee	:	RANK number

[Measures]   Check the status of the RANK with the trouble and perform the appropriate

maintenance.

iSM07144: State of RANK has become attn(rebuilding). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   NOTICE

[Explanation]   It indicates that the RANK (number: dd-ee) of disk array (name: aaa...a) is

rebuilding data.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dd-ee	:	RANK number

[Measures]   In relation to the measures for the RANK caused by state transition, refer to other

applicable messages.

114

iSM07145: State of RANK has become attn(preventive copy). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   NOTICE

[Explanation]   It indicates that data in the RANK (number: dd-ee) of disk array (name: aaa...a)
has been copied into spare disk.

    aaa...a   : Disk array name

    bbbbb   : Product ID of disk array (S2100 Disk Array etc.)

    ccccc   : Serial number of disk array

    dd-ee   : RANK number

[Measures]   Unnecessary

iSM07146: State of RANK has become attn(copy back). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   NOTICE

[Explanation]   It indicates that data in the RANK (number: dd-ee) of disk array (name: aaa...a)
has been restored from spare disk.

    aaa...a   : Disk array name

    bbbbb   : Product ID of disk array (S2100 Disk Array etc.)

    ccccc   : Serial number of disk array

    dd-ee   : RANK number

[Measures]   Unnecessary

115

iSM07147: State of RANK has become attn(expanding). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]　　NOTICE

[Explanation]　　It indicates that the rank (number: dd-ee) of disk array (name: aaa...a) is expanding the logic.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dd-ee	:	RANK number

[Measures]　　Unnecessary

iSM07148: State of RANK has become attn(expand-fail). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]　　NOTICE

[Explanation]　　It indicates that the rank (number: dd-ee) of disk array (name: aaa...a) failed in logical expansion.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dd-ee	:	RANK number

[Measures]　　Check the status of the resource with the trouble and perform the appropriate maintenance.

116

iSM07151: State of PD(*<aa>*h) has become ready. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)

[Classification]   INFO

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) has become ready.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=*<xxxx>*h PoolName=*<yyy...y>*

  Indicates pool information. (for the disk arrays with pool)

  xxxx   :   Pool number

  yyy...y :   Pool name

- RankNo=*<xx>*h-*<yy>*h

  Indicates RANK information. (for other than the disk arrays with pool)

  xx-yy   :   RANK number

[Measures]   Unnecessary

117

iSM07152: State of PD(<*aa*>h) has become fault. (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>] [_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that a trouble occurred in the physical disk (number: ee-ff) of disk array (name: bbb...b).

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

  Indicates pool information. (for the disk arrays with pool)

xxxx	:	Pool number
yyy...y	:	Pool name

- RankNo=<*xx*>h-<*yy*>h

  Indicates RANK information. (for other than the disk arrays with pool)

xx-yy	:	RANK number

hhh...h/ii   :   Maintenance information

[Measures]   Check the status of the resource with the trouble and perform the appropriate maintenance.

118

iSM07154: State of PD(<*aa*>h) has become attn(rebuilding). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>] [_ALERT_]

[Classification]   NOTICE

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) is rebuilding data.

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

Indicates pool information. (for the disk arrays with pool)

xxxx	:	Pool number
yyy...y	:	Pool name

- RankNo=<*xx*>h-<*yy*>h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy	:	RANK number

hhh...h/ii   : Maintenance information

[Measures]   Unnecessary

119

iSM07155: State of PD(*<aa>*h) has become attn(powering up). (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)

[Classification]   NOTICE

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) is activated.

aa   : Internal number indicating physical disk type

bbb...b   : Disk array name

ccc...c   : Product ID of disk array (S2800 Disk Array etc.)

ddd...d   : Serial number of disk array

ee-ff   : Physical disk number

ggg...g   : Information of RANK or pool where the physical disk belongs

- PoolNo=*<xxxx>*h PoolName=*<yyy...y>*

Indicates pool information. (for the disk arrays with pool)

xxxx   :   Pool number

yyy...y :   Pool name

- RankNo=*<xx>*h-*<yy>*h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy   :   RANK number

[Measures]   Unnecessary (It usually becomes ready within a few seconds.   If the status does not become ready, perform the appropriate maintenance because some trouble may occur).

120

iSM07156: State of PD(<*aa*>h) has become attn(formatting). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)

[Classification]   NOTICE

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) is being formatted.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

  Indicates pool information. (for the disk arrays with pool)

  xxxx   :   Pool number

  yyy...y :   Pool name

- RankNo=<*xx*>h-<*yy*>h

  Indicates RANK information. (for other than the disk arrays with pool)

  xx-yy   :   RANK number

[Measures]   Unnecessary

121

iSM07158: State of PD(*<aa>*h) has become offline. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)

[Classification]   ERROR

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) has been in the off line status.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=*<xxxx>*h PoolName=*<yyy...y>*

   Indicates pool information. (for the disk arrays with pool)

xxxx	:	Pool number
yyy...y	:	Pool name

- RankNo=*<xx>*h-*<yy>*h

   Indicates RANK information. (for other than the disk arrays with pool)

xx-yy	:	RANK number

[Measures]   Check the physical disk in which the state transition occurred, and perform the appropriate maintenance.

122

iSM07159: State of PD(*<aa>*h) has become ready. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*) [UC=*<hhh...h>* FC=*<ii>*] [_ALERT_]

[Classification]   INFO

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) has rebuilt data and its status has changed to "ready".

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=*<xxxx>*h PoolName=*<yyy...y>*

Indicates pool information. (for the disk arrays with pool)

xxxx : Pool number

yyy...y : Pool name

- RankNo=*<xx>*h-*<yy>*h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy : RANK number

hhh...h/ii   :   Maintenance information

[Measures]   Unnecessary

123

iSM07161: State of *<aaaaa>*(*<bb>*h[-*<cc>*h]) has become ready. (*<ddd...d>* productID=*<eeeee>* SN=*<fffff>* No=*<gg>*h)

[Classification]　INFO

[Explanation]　It indicates that the component* (abbreviated name: aaaaa, number: gg) of disk array (name: ddd...d) has become ready.

aaaaa	:	Abbreviated name of component
bb-cc	:	Internal number indicating component type
ddd...d	:	Disk array name
eeeee	:	Product ID of disk array (S2100 Disk Array etc.)
fffff	:	Serial number of disk array
gg	:	Component number

*except for logical disk/physical disk

[Measures]　Unnecessary

124

iSM07162: State of *<aaaaa>*(*<bb>*h[-*<cc>*h]) has become fault. (*<ddd...d>* productID=*<eeeee>* SN=*<fffff>* No=*<gg>*h) [UC=*<hhhhhhhhhh>* FC=*<ii>*][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that trouble occurred in the component* (abbreviated name: aaaaa, number: gg) of disk array (name: ddd...d).

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaaaa	:	Abbreviated name of component
bb-cc	:	Internal number indicating component type
ddd...d	:	Disk array name
eeeee	:	Product ID of disk array (S2100 Disk Array etc.)
fffff	:	Serial number of disk array
gg	:	Component number
hhhhhhhhhh/ii	:	Maintenance information

*except for logical disk/physical disk

[Measures]   Check the status of the resource with the trouble and perform the appropriate maintenance.

125

iSM07163: State of *<aaaaa>*(*<bb>*h[-*<cc>*h]) has become offline. (*<ddd...d>* productID=*<eeeee>* SN=*<fffff>* No=*<gg>*h)

[Classification]   ERROR

[Explanation]   It indicates that the component* (abbreviated name: aaaaa, number: gg) of disk array (name: ddd...d) has become removed (or not existed).

    aaaaa   : Abbreviated name of component

    bb-cc   : Internal number indicating component type

    ddd...d   : Disk array name

    eeeee   : Product ID of disk array (S2100 Disk Array etc.)

    fffff   : Serial number of disk array

    gg   : Component number

    *except for logical disk/physical disk

[Measures]   Check the resource in which the state transition occurred, and perform the appropriate maintenance.

iSM07164: State of HD(*<aa>*h) has become attn(nolicense). (*<bbb...b>* productID=*<ccccc>* SN=*<ddddd>* No=*<ee>*h)

[Classification]   NOTICE

[Explanation]   The program product BaseProduct has not been installed, and the host director (number: ee) of the disk array (name: bbb...b) is not available.

    aa   : Internal number indicating the type of the component

    bbb...b   : Disk array name

    ccccc   : Product ID of disk array (S2100 Disk Array etc.)

    ddddd   : Serial number of the disk array

    ee   : Component number

    *except for logical disk/physical disk

[Measures]   Install the program product BaseProduct for the host director.

126

iSM07165: State of CHE(*<aa>*h[-*<bb>*h]) has become attn(rebuilding). (*<ccc...c>* productID=*<ddd...d>* SN=*<eee...e>* No=*<ff>*h)

[Classification]   NOTICE

[Explanation]   It indicates that cache module (number: ff) of a disk array (name: ccc...c) is

rebuilding data.

aa-bb	:	Internal number indicating component type
ccc...c	:	Disk array name
ddd...d	:	Product ID of disk array (S2800 Disk Array etc.)
eee...e	:	Serial number of disk array
ff	:	Component number

[Measures]   Unnecessary

iSM07166: State of DAC_BBU(*<aa>*h[-*<bb>*h]) has become attn(charge). (*<ccc...c>* productID=*<ddd...d>* SN=*<eee...e>* No=*<ff>*h)

[Classification]   NOTICE

[Explanation]   It indicates that the battery (number: ff) of a disk array (name: ccc...c) is

charging.

aa-bb	:	Internal number indicating component type
ccc...c	:	Disk array name
ddd...d	:	Product ID of disk array (S2800 Disk Array etc.)
eee...e	:	Serial number of disk array
ff	:	Component number

[Measures]   Unnecessary

127

iSM07171: State of LD has become ready. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   INFO

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array
(name: aaa...a) has become ready.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Unnecessary

iSM07172: State of LD has become fault. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   ERROR

[Explanation]   It indicates that trouble occurred in the logical disk (number: dddd, name: eee...e)
of disk array (name: aaa...a).

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Check the status of the logical disk with the trouble and perform the appropriate
maintenance.

128

iSM07173: State of LD has become fault(media error). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*> [PDN=<*ff*>h-<*gg*>h]) [UC=<*hhh...h*> FC=<*ii*>][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that trouble (media error) occurred in the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a).

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2100 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name
ff-gg	:	Corresponding physical disk number (only if physical disk fault is the cause)
hhh...h/ii	:	Maintenance information

[Measures]   Check the status of the logical disk with the trouble and perform the appropriate maintenance.

129

iSM07174: State of LD has become attn(reduce). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   ERROR

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) has become a reduced state*.

* RAID composition which lost redundancy by PD trouble.

aaa...a   : Disk array name

bbbbb   : Product ID of disk array (S2100 Disk Array etc.)

ccccc   : Serial number of disk array

dddd   : Logical disk number

eee...e   : Logical disk name

[Measures]   Check the status of the logical disk with the trouble and perform the appropriate

maintenance.

iSM07175: State of LD has become attn(rebuilding). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) is rebuilding data.

aaa...a   : Disk array name

bbbbb   : Product ID of disk array (S2100 Disk Array etc.)

ccccc   : Serial number of disk array

dddd   : Logical disk number

eee...e   : Logical disk name

[Measures]   In relation to the measures for the logical disk caused by state transition, refer to

other applicable messages.

130

iSM07176: State of LD has become attn(preventive copy). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that data in the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a) has been copied into spare disk.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Unnecessary

iSM07177: State of LD has become attn(copy back). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that data in the logical disk (number: dddd, name: eee...e) of disk array (name: aaa...a) has been restored from spare disk.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Unnecessary

131

iSM07178: State of LD has become attn(unformatted). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) has been unformatted logically.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   In relation to the measures for resources caused by state transition, refer to other

applicable messages.

iSM07179: State of LD has become attn(formatting). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) is being formatted logically.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Unnecessary. However, this logical disk cannot be used until logical formatting

is completed.

132

iSM07180: State of LD has become attn(format-fail). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array
(name: aaa...a) failed in formatting logically.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Check the status of the resource with the trouble and perform the appropriate
maintenance.

iSM07181: State of LD has become attn(expanding). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk (number: dddd, name: eee...e) of disk array
(name: aaa...a) is expanding the logic.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]   Unnecessary

133

iSM07182:　State of LD has become attn(expand-fail). (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>* No=*<dddd>*h Name=*<eee...e>*)

[Classification]　NOTICE

[Explanation]　It indicates that the logical disk (number: dddd, name: eee...e) of disk array

(name: aaa...a) failed in logical expansion.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]　Check the status of the resource with the trouble and perform the appropriate

maintenance.

iSM07183:　State of LD has become ready(formatting). (*<aaa...a>* productID=*<bbb...b>* SN=*<ccc...c>* No=*<dddd>*h Name=*<eee...e>*)

[Classification]　INFO

[Explanation]　It indicates that the logical disk (number: dddd, name: eee...e) of a disk array

(name: aaa...a) is being formatted logically.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Logical disk number
eee...e	:	Logical disk name

[Measures]　Unnecessary.　This logical disk can be used, but its I/O response may delay

until logical formatting is completed.

134

iSM07191: State of RANK has become ready. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   INFO

[Explanation]   It indicates that the RANK (number: dd-ee) of disk array (name: aaa...a) has

become ready.

    aaa...a   :   Disk array name

    bbbbb   :   Product ID of disk array (S2100 Disk Array etc.)

    ccccc   :   Serial number of disk array

    dd-ee   :   RANK number

[Measures]   Unnecessary

iSM07192: State of RANK has become fault. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h) [UC=<*ffffffffff*> FC=<*gg*>][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that a trouble occurred in the RANK (number: dd-ee) of disk array

(name: aaa...a).

For Windows, this message is target of ESMPRO Manager Report, and also to

be target of ALIVE/Express Report via ESMPRO.

    aaa...a   :   Disk array name

    bbbbb   :   Product ID of disk array (S2100 Disk Array etc.)

    ccccc   :   Serial number of disk array

    dd-ee   :   RANK number

    ffffffffff/gg   :   Maintenance information

[Measures]   Check the status of the RANK with the trouble and perform the appropriate

maintenance.

135

iSM07193: State of RANK has become attn(reduce). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   ERROR

[Explanation]   It indicates that the RANK (number: dd-ee) of disk array (name: aaa...a) has

become in reduced state.

* RAID composition which lost redundancy by PD trouble.

aaa...a   :   Disk array name

bbbbb   :   Product ID of disk array (S2100 Disk Array etc.)

ccccc   :   Serial number of disk array

dd-ee   :   RANK number

[Measures]   Check the status of the RANK with the trouble and perform the appropriate

maintenance.

iSM07194: State of RANK has become attn(rebuilding). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   NOTICE

[Explanation]   It indicates that the RANK (number: dd-ee) of disk array (name: aaa...a) is

rebuilding data.

aaa...a   :   Disk array name

bbbbb   :   Product ID of disk array (S2100 Disk Array etc.)

ccccc   :   Serial number of disk array

dd-ee   :   RANK number

[Measures]   In relation to the measures for the RANK caused by state transition, refer to other

applicable messages.

136

iSM07195: State of RANK has become attn (preventive copy). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   NOTICE

[Explanation]   It indicates that data in the RANK (number: dd-ee) of disk array (name: aaa...a)

has been copied into spare disk.

This message is output on UNIX system.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dd-ee	:	RANK number

[Measures]   Unnecessary

iSM07196: State of RANK has become attn(copy back). (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)

[Classification]   NOTICE

[Explanation]   It indicates that data in the RANK (number: dd-ee) of disk array (name: aaa...a)

has been restored from spare disk.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dd-ee	:	RANK number

[Measures]   Unnecessary

137

iSM07197: State of RANK has become attn(expanding). (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>* No=*<dd>*h-*<ee>*h)

[Classification]   NOTICE

[Explanation]   It indicates that the rank (number: dd-ee) of disk array (name: aaa...a) is expanding the logic.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dd-ee	:	RANK number

[Measures]   Unnecessary

iSM07198: State of RANK has become attn(expand-fail). (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>* No=*<dd>*h-*<ee>*h)

[Classification]   NOTICE

[Explanation]   It indicates that the rank (number: dd-ee) of disk array (name: aaa...a) failed in logical expansion.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array
dd-ee	:	RANK number

[Measures]   Check the status of the resource with the trouble and perform the appropriate maintenance.

138

iSM07201: Disk Array ,named "*<aaa...a>*", has renamed to "*<bbb...b>*". (SN=*<ccccc>*)

[Classification]   INFO

[Explanation]   It indicates that the name of disk array (name: aaa...a, serial number: ccccc) has been changed to bbb...b.

    aaa...a   :   Disk array name

    bbb...b   :   New disk array name

    ccccc   :   Serial number

[Measures]   Unnecessary

iSM07202: PORT,named "*<aaa...a>*", has renamed to "*<bbb...b>*". (*<ccc...c>* No=*<dd>*h-*<ee>*h)

[Classification]   INFO

[Explanation]   It indicates that the port (number: dd-ee) name of disk array (name: ccc...c) has been changed from aaa...a to bbb...b.

    aaa...a   :   Old port name

    bbb...b   :   New port name

    ccc...c   :   Disk array name

    dd-ee   :   Port number

[Measures]   Unnecessary

139

iSM07203: LD ,named "*<aaa...a>*", has renamed to "*<bbb...b>*".
(*<ccc...c>*No=*<dddd>*h)

[Classification]   INFO

[Explanation]   It indicates that the logical disk (number: dddd) name of disk array (name: ccc...c)has been changed from aaa...a to bbb...b.

aaa...a   : Old Logical disk name

bbb...b   : New Logical disk name

ccc...c   : Disk array name

dddd   : Logical disk number

[Measures]   Unnecessary

iSM07204: Name setting has executed with SG file. (*<aaa...a>*)

[Classification]   INFO

[Explanation]   It indicates that the name setting (of all of disk array, LD and Port, or some) of disk array (name: aaa...a) has been executed by the definition file (SG file).

aaa...a   : Disk array name

[Measures]   Unnecessary

iSM07205: LD has configured. (*<aaa...a>*)

[Classification]   NOTICE

[Explanation]   It shows that the logical disk configuration of disk array (name: aaa...a) was changed.

aaa...a   : Disk array name

[Measures]   Unnecessary

140

iSM07206: CHE-Disk has configured.(*<aaa...a>*)

[Classification]   NOTICE

[Explanation]   It indicates that the cache disk configuration of disk array (name: aaa...a) has been changed.

aaa...a   :   Disk array name

[Measures]   Unnecessary

iSM07207: Attribute of PD has changed from *<aaaaa>* to *<bbbbb>*. (*<ccc...c>* No=*<dd>*h-*<ee>*h)

[Classification]   NOTICE

[Explanation]   It indicates that partition (data, spare) in the physical disk (number: dd-ee) of disk array (name: ccc...c) has been changed.

aaaaa   :   Old partition

bbbbb   :   New partition

ccc...c   :   Disk array name

dd-ee   :   Physical disk number

[Measures]   Unnecessary

iSM07208: ACCESS_CONTROL has configured.(*<aaa...a>*)

[Classification]   NOTICE

[Explanation]   It indicates that Access Control of disk array (name: aaa...a) has been set.

aaa...a   :   Disk array name

[Measures]   Unnecessary

141

iSM07211: Renaming Disk Array,named "*<aaa...a>*",is failed. (SN=<*bbbbb*>)

[Classification]   INFO

[Explanation]   It indicates that change of disk array names (name: aaa...a, serial number: bbbbb)
failed.

aaa...a   : Disk array name
bbbbb   : Serial number

[Measures]   Check result indicated on client screen (dialog) and remove cause of the failure.
Then change the names again.

iSM07212: Renaming PORT of "*<aaa...a>*" is failed. (No=<*bb*>h-<*cc*>h)

[Classification]   INFO

[Explanation]   It indicates that change of port name (number: bb-cc) of disk array (name:
aaa...a) failed.

aaa...a   : Disk array name
bb-cc   : Port number

[Measures]   Check result indicated on client screen (dialog) and remove cause of the failure.
Then change the names again.

iSM07213: Renaming LD of "*<aaa...a>*" is failed. (No=<*bbbb*>h)

[Classification]   INFO

[Explanation]   It indicates that change of logical disk (number: bbbb) of disk array (name:
aaa...a) failed.

aaa...a   : Disk array name
bbbb   : Logical disk number

[Measures]   Check result indicated on client screen (dialog) and remove cause of the failure.
Then change the names again.

142

iSM07220: SVP information was updated. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h)

[Classification]   INFO

[Explanation]   It indicates that service processor information (component number: dd) of disk array (name: aaa...a) has been changed.

aaa...a   :   Disk array name
bbbbb   :   Product ID of disk array (S2100 Disk Array etc.)
ccccc   :   Serial number of disk array
dd   :   Component number of service processor.

[Measures]   Unnecessary

iSM07221: Product information was changed. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*>)

[Classification]   INFO

[Explanation]   It indicates that product information of disk array (name: aaa...a) has been changed.

aaa...a   :   Disk array name
bbbbb   :   Product ID of disk array (S2100 Disk Array etc.)
ccccc   :   Serial number of disk array

[Measures]   Unnecessary

143

iSM07251: Disk Array name "*<aaa...a>*" exists in others. (productID=*<bbbbb>* SN=*<ccccc>*)

[Classification]   WARNING

[Explanation]   It indicates that the disk array name (aaa...a) (product ID: bbbbb, serial number: ccccc) is duplicated.

aaa...a	:	Disk array name
bbbbb	:	Product ID of disk array (S2100 Disk Array etc.)
ccccc	:	Serial number of disk array

[Measures]   Check the disk arrays with the same name, and correct the name.

iSM07252: PORT name "*<aaa...a>*" exists in others. (*<bbb...b>* No=*<cc>*h-*<dd>*h)

[Classification]   WARNING

[Explanation]   It indicates that the name (aaa...a) of port (number: cc-dd) of the disk array (name: bbb...b) is duplicated.

aaa...a	:	Port name
bbb...b	:	Disk array name
cc-dd	:	Port number

[Measures]   Check the ports with the same name, and correct the name.

iSM07253: LD name "*<aaa...a>*" exists in others. (*<bbb...b>* No=*<cccc>*h)

[Classification]   WARNING

[Explanation]   It indicates that the name (aaa...a) of logical disk (number: cccc) in the disk array (name: bbb...b) is duplicated.

aaa...a	:	Logical disk name
bbb...b	:	Disk array name
cccc	:	Logical disk number

[Measures]   Check the logical disks with the same name, and correct the name.

144

iSM07301: LD_SET,named "*<aaa...a>*" was added. (*<bbb...b>*)

[Classification]   INFO

[Explanation]   It indicates that LD_SET (name: aaa...a) is added to disk array (name: bbb...b).
aaa...a   :   LD_SET name
bbb...b   :   Disk array name

[Measures]   Unnecessary

iSM07302: LD_SET,named "*<aaa...a>*" was deleted. (*<bbb...b>*)

[Classification]   INFO

[Explanation]   It indicates that LD_SET (name: aaa...a) is deleted from disk array (name: bbb...b).
aaa...a   :   LD_SET name
bbb...b   :   Disk array name

[Measures]   Unnecessary

iSM07303: PATH, "*<aaa...a>*" was added to LD_SET.(*<bbb...b>* LD_SET=*<ccc...c>*)

[Classification]   INFO

[Explanation]   It indicates that the path (aaa...a) is added to LD_SET (name: ccc...c) of disk array (name: bbb...b).
aaa...a   :   Path
      aaaa-aaaa-aaaa-aaaa   :   WWPN
      aah-aah   :   Port number
bbb...b   :   Disk array name
ccc...c   :   LD_SET name

[Measures]   Unnecessary

145

iSM07304: PATH, "<*aaa...a*>" was deleted from LD_SET. (<*bbb...b*> LD_SET=<*ccc...c*>)

[Classification]   INFO

[Explanation]   It indicates that the path (aaa...a) is deleted from LD_SET (name: ccc...c) of disk array (name: bbb...b).

    aaa...a   : Path
            aaaa-aaaa-aaaa-aaaa : WWPN
            aah-aah   : Port number
    bbb...b   : Disk array name
    ccc...c   : LD_SET name

[Measures]   Unnecessary

iSM07305: Some of LDs were assigned to LD_SET. (<*aaa...a*> LD_SET=<*bbb...b*> PATH=<*ccc...c*>)

[Classification]   INFO

[Explanation]   It indicates that LDs are assigned to LD_SET (name: bbb...b) of disk array (name: aaa...a) and the path (cccc-cccc-cccc-cccc).

    aaa...a   : Disk array name
    bbb...b   : LD_SET name
    ccc...c   : Path
            cccc-cccc-cccc-cccc : WWPN
            cch-cch   : Port number

[Measures]   Unnecessary

iSM07306: Some of LDs were assigned to LD_SET. (<*aaa...a*> LD_SET=<*bbb...b*>)

[Classification]   INFO

[Explanation]   It indicates that LDs are assigned to LD_SET (name: bbb...b) of disk array (name: aaa...a).

    aaa...a   : Disk array name
    bbb...b   : LD_SET name

[Measures]   Unnecessary

146

iSM07307: PATH, "*<aaa...a>*" was changed for "*<bbb...b>*". (*<ccc...c>* LD_SET=*<ddd...d>*)

[Classification]   INFO

[Explanation]   It indicates that the path aaa...a to LD_SET (name: ddd...d) of disk array (name: ccc...c) is changed to bbb...b.

aaa...a	: Old path	
	aaaa-aaaa-aaaa-aaaa	: WWPN
	aah-aah	: Port number
bbb...b	: New path	
	bbbb-bbbb-bbbb-bbbb	: WWPN
	bbh-bbh	: Port number
ccc...c	: Disk array name	
ddd...d	: LD_SET name	

[Measures]   Unnecessary

iSM07308: LD,named "*<aaa...a>*"(*<bbbb>*h) was added to LD_SET. (*<ccc...c>* LD_SET=*<ddd...d>* PATH=*<eee...e>*)

[Classification]   INFO

[Explanation]   It indicates that the logical disk (name: aaa...a, number: bbbb) is added to LD_SET (name: ddd...d) of disk array (name: ccc...c) and the logical disk is accessible via the path (eee...e).

aaa...a	: Logical disk name	
bbbb	: Logical disk number	
ccc...c	: Disk array name	
ddd...d	: LD_SET name	
eee...e	: Path	
	eeee-eeee-eeee-eeee	: WWPN
	eeh-eeh	: Port number

[Measures]   Unnecessary

147

iSM07309: LD,named "<*aaa...a*>"(<*bbbb*>h) was added to LD_SET. (<*ccc...c*> LD_SET=<*ddd...d*>)

[Classification]   INFO

[Explanation]   It indicates that the logical disk (name: aaa...a, number: bbbb) is added to

LD_SET (name: ddd...d) of disk array (name: ccc...c).

aaa...a	:	Logical disk name
bbbb	:	Logical disk number
ccc...c	:	Disk array name
ddd...d	:	LD_SET name

[Measures]   Unnecessary

iSM07310: LD,named "<*aaa...a*>"(<*bbbb*>h) was deleted from LD_SET. (<*ccc...c*> LD_SET=<*ddd...d*> PATH=<*eee...e*>)

[Classification]   INFO

[Explanation]   It indicates that the logical disk (name: aaa...a, number: bbbb) is added to

LD_SET (name: ddd...d) of disk array (name: ccc...c) and the logical disk is

inaccessible via the path (eee...e).

aaa...a	:	Logical disk name	
bbbb	:	Logical disk number	
ccc...c	:	Disk array name	
ddd...d	:	LD_SET name	
eee...e	:	Path	
		eeee-eeee-eeee-eeee	: WWPN
		eeh-eeh	: Port number

[Measures]   Unnecessary

148

iSM07311: LD,named "*<aaa...a>*"(*<bbbb>*h) was deleted from LD_SET. (*<ccc...c>* LD_SET=*<ddd...d>*)

[Classification]　　INFO

[Explanation]　　It indicates that the logical disk (name: aaa...a, number: bbbb) is deleted from

LD_SET (name: ddd...d) of disk array (name: ccc...c).

aaa...a　　　:　Logical disk name

bbbb　　　:　Logical disk number

ccc...c　　　:　Disk array name

ddd...d　　　:　LD_SET name

[Measures]　　Unnecessary

iSM07312: ACCESS_CONTROL mode was changed into *<aaaa>*. (*<bbb...b>* No=*<cc>*h-*<dd>*h)

[Classification]　　INFO

[Explanation]　　It indicates that Access Control of port (number: cc-dd) of disk array (name:

bbb...b) is changed to aaaa mode.

aaaa　　　:　Access Control mode after changing (WWN/Port)

bbb...b　　　:　Disk array name

cc-dd　　　:　Port number

[Measures]　　Unnecessary

iSM07313: ACCESS_CONTROL function was started. (*<aaa...a>*)

[Classification]　　INFO

[Explanation]　　It indicates that function of Access Control of disk array (name: aaa...a) is

started.

aaa...a　　　:　Disk array name

[Measures]　　Unnecessary

149

iSM07314: ACCESS_CONTROL function was stopped. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   It indicates that access control function on disk array (name: aaa...a) has been
                     stopped.
                     aaa...a   : Disk array name

[Measures]   Unnecessary

iSM07315: LD_SET, named "<*aaa...a*>", has renamed to "<*bbb...b*>". (<*ccc...c*>)

[Classification]   INFO

[Explanation]   It indicates that LD_SET name of disk array (name: ccc...c) has been changed
                     from aaa...a to bbb...b.
                     aaa...a   : Old LD_SET name
                     bbb...b   : New LD_SET name
                     ccc...c   : Disk array name

[Measures]   Unnecessary

iSM07316: Platform was re-set up. (<*aaa...a* LD_SET=<*bbb...b*>)

[Classification]   INFO

[Explanation]   It indicates that platform information for LD_SET (name: bbb...b) of disk array
                     (name: aaa...a) has been specified again.
                     aaa...a   : Disk array name
                     bbb...b   : LD_SET name

[Measures]   Unnecessary

150

iSM07331: Adding a LD_SET, named "*<aaa...a>*" was failed. (*<bbb...b>*)

[Classification]   INFO

[Explanation]   It indicates that adding the LD_SET (name: aaa...a) to disk array (name: bbb...b) failed.

aaa...a   : LD_SET name

bbb...b   : Disk array name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

iSM07332: Deleting a LD_SET, named "*<aaa...a>*" was failed. (*<bbb...b>*)

[Classification]   INFO

[Explanation]   It indicates that deleting the LD_SET (name: aaa...a) from disk array (name: bbb...b) failed.

aaa...a   : LD_SET name

bbb...b   : Disk array name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

iSM07333: Adding a PATH, named "*<aaa...a>*" to LD_SET was failed. (*<bbb...b>* LD_SET=*<ccc...c>*)

[Classification]   INFO

[Explanation]   It indicates that adding Path (aaa...a) to LD_SET (name: ccc...c) of disk array (name: bbb...b) failed.

aaa...a   : Path

    aaaa-aaaa-aaaa-aaaa : WWPN

    aah-aah   : Port number

bbb...b   : Disk array name

ccc...c   : LD_SET name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

151

iSM07334:　Deleting a PATH, named "*<aaa...a>*" to LD_SET was failed. (*<bbb...b>* LD_SET=*<ccc...c>*)

[Classification]　INFO

[Explanation]　It indicates that deleting Path (aaa...a) from LD_SET (name: ccc...c) of disk array (name: bbb...b) failed.

aaa...a　　　：　Path
　　　　　　　　　aaaa-aaaa-aaaa-aaaa　：　WWPN
　　　　　　　　　aah-aah　　　　　　　：　Port number
bbb...b　　　：　Disk array name
ccc...c　　　：　LD_SET name

[Measures]　Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

iSM07335:　Assigning some of LDs, to LD_SET was failed. (*<aaa...a>* LD_SET=*<bbb...b>* PATH=*<ccc...c>*)

[Classification]　INFO

[Explanation]　It indicates that assigning Logical Disk to LD_SET (name: bbb...b) of disk array (name: aaa...a), Path (ccc...c) failed.

aaa...a　　　：　Disk array name
bbb...b　　　：　LD_SET name
ccc...c　　　：　Path
　　　　　　　　　cccc-cccc-cccc-cccc　：　WWPN
　　　　　　　　　cch-cch　　　　　　　：　Port number

[Measures]　Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

152

iSM07336: Assigning some of LDs, to LD_SET was failed. (*<aaa...a>* LD_SET=*<bbb...b>*)

[Classification]   INFO

[Explanation]   It indicates that assigning Logical Disk to LD_SET (name: bbb...b) of disk array (name: aaa...a) failed.

aaa...a   : Disk array name
bbb...b   : LD_SET name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

iSM07337: Changing a PATH, from "*<aaa...a>*" to "*<bbb...b>*" was failed. (*<ccc...c>* LD_SET=*<ddd...d>*)

[Classification]   INFO

[Explanation]   It indicates that changing Path to LD_SET (name: ddd...d) of disk array (name: ccc...c) from "aaa...a" to "bbb...b" failed.

aaa...a   : Path before change
    aaaa-aaaa-aaaa-aaaa   : WWPN
    aah-aah   : Port number
bbb...b   : Path after change
    bbbb-bbbb-bbbb-bbbb   : WWPN
    bbh-bbh   : Port number
ccc...c   : Disk array name
ddd...d   : LD_SET name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

153

iSM07338: Adding a LD, named "<*aaa...a*>" (<*bbbb*>h), to LD_SET was failed. (<*ccc...c*> LD_SET=<*ddd...d*> PATH=<*eee...e*>)

[Classification]   INFO

[Explanation]   It indicates that adding Logical Disk (name: aaa...a, number: bbbb) to LD_SET
(name: ddd...d) of disk array (name: ccc...c) , Path (eee...e) failed.

aaa...a	: Logical disk name
bbbb	: Logical disk number
ccc...c	: Disk array name
ddd...d	: LD_SET name
eee...e	: Path

| eeee-eeee-eeee-eeee | : WWPN |
| eeh-eeh | : Port number |

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove
the cause of fault, and then retry processing.

iSM07339: Adding a LD, named "<*aaa...a*>" (<*bbbb*>h), to LD_SET was failed. (<*ccc...c*> LD_SET=<*ddd...d*>)

[Classification]   INFO

[Explanation]   It indicates that adding Logical Disk (name: aaa...a, number: bbbb) to LD_SET
(name: ddd...d) of disk array (name: ccc...c) failed.

aaa...a	: Logical disk name
bbbb	: Logical disk number
ccc...c	: Disk array name
ddd...d	: LD_SET name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove
the cause of fault, and then retry processing.

iSM07340: Deleting a LD, named "<*aaa...a*>" (<*bbbb*>h), from LD_SET was failed. (<*ccc...c*> LD_SET=<*ddd...d*> PATH=<*eee...e*>)

[Classification]   INFO

[Explanation]   It indicates that deleting Logical Disk (name: aaa...a) from LD_SET (name: ddd...d) of disk array (name: ccc...c), Path (eee...e) was failed.

aaa...a	:	Logical disk name
bbbb	:	Logical disk number
ccc...c	:	Disk array name
ddd...d	:	LD_SET name
eee...e	:	Path

eeee-eeee-eeee-eeee	: WWPN
eeh-eeh	: Port number

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

iSM07341: Deleting a LD, named "<*aaa...a*>" (<*bbbb*>h), from LD_SET was failed. (<*ccc...c*> LD_SET=<*ddd...d*>)

[Classification]   INFO

[Explanation]   It indicates that deleting Logical Disk (name: aaa...a, number: bbbb) from LD_SET (name: ddd...d) of disk array (name: ccc...c) failed.

aaa...a	:	Logical disk name
bbbb	:	Logical disk number
ccc...c	:	Disk array name
ddd...d	:	LD_SET name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

155

iSM07342: Changing ACCESS_CONTROL mode was failed. (<*aaa...a*> No=<*bb*>h-<*cc*>h)

[Classification]   INFO

[Explanation]   It indicates that changing Port (number: bb-cc) of disk array (name: aaa...a) failed.

aaa...a   : Disk array name

bb-cc   : Port number

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

iSM07343: Starting ACCESS_CONTROL function was failed. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   It indicates that starting Access Control function of disk array (name: aaa...a) failed.

aaa...a   : Disk array name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

iSM07344: Stopping ACCESS_CONTROL function was failed. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   It indicates that stopping Access Control function of disk array (name: aaa...a) failed.

aaa...a   : Disk array name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

156

iSM07345: Renaming LD_SET, named "*<aaa...a>*" was failed. (*<bbb...b>*)

[Classification]   INFO

[Explanation]   It indicates that renaming the LD_SET (name: aaa...a) to disk array (name: bbb...b) failed.

    aaa...a   : LD_SET name

    bbb...b   : Disk array name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

iSM07346: Re-setup of Platform was failed. (*<aaa...a>* LD_SET=*<bbb...b>*)

[Classification]   INFO

[Explanation]   It indicates that re-setup of the platform information set to the LD_SET (name: bbb...b) of disk array (name: aaa...a) failed.

    aaa...a   : Disk array name

    bbb...b   : LD_SET name

[Measures]   Identify a cause of fault on the basis of previous and following messages, remove the cause of fault, and then retry processing.

157

iSM07402: State of PD(*\<aa\>*h) has become info(inactive). (*\<bbb...b\>* productID=*\<ccc...c\>* SN=*\<ddd...d\>* No=*\<ee\>*h-*\<ff\>*h *\<ggg...g\>*)[_ALERT_]

[Classification]　INFO

[Explanation]　It indicates that trouble occurred in the physical disk (number: ee-ff) of disk array (name: bbb...b).

For Windows, this message is target of ESMPRO Manager Report.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S4300 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=*\<xxxx\>*h PoolName=*\<yyy...y\>*

    Indicates pool information. (for the disk arrays with pool)

    xxxx　:　Pool number

    yyy...y　:　Pool name

- RankNo=*\<xx\>*h-*\<yy\>*h

    Indicates RANK information. (for other than the disk arrays with pool)

    xx-yy　:　RANK number

[Measures]　Check the status of resource with the trouble and perform the appropriate maintenance.

158

iSM07404: State of PD(<*aa*>h) has become attn(rebuilding). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)

[Classification]   NOTICE

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) is rebuilding data.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S4300 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

Indicates pool information. (for the disk arrays with pool)

xxxx   :   Pool number

yyy...y :   Pool name

- RankNo=<*xx*>h-<*yy*>h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy   :   RANK number

[Measures]   Unnecessary

159

iSM07409: State of PD(*<aa>*h) has become ready. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)

[Classification]   INFO

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) has completed rebuilding and become ready.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S4300 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=*<xxxx>*h PoolName=*<yyy...y>*

    Indicates pool information. (for the disk arrays with pool)

xxxx	:	Pool number
yyy...y	:	Pool name

- RankNo=*<xx>*h-*<yy>*h

    Indicates RANK information. (for other than the disk arrays with pool)

xx-yy	:	RANK number

[Measures]   Unnecessary

160

iSM07411: State of POOL has become ready. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   INFO

[Explanation]   It indicates that the pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) has become ready.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc…c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]   Unnecessary

iSM07412: State of POOL has become fault. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)[_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that trouble occurred in a pool (number: dddd, name: eee...e) of a disk array (name: aaa...a).

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc…c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]   Check the status of the pool with the trouble and perform the appropriate maintenance.

161

iSM07413: State of POOL has become attn(reduce). (<*aaa...a* productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   ERROR

[Explanation]   It indicates that the pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) has become a reduced state.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]   Check the status of the pool with the trouble and perform the appropriate maintenance.

iSM07414: State of POOL has become attn(rebuilding). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) is rebuilding data.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]   In relation to the measures for the pool caused by state transition, refer to other applicable messages.

162

iSM07415:   State of POOL has become attn(preventive copy). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that data in a pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) has been copied into a spare disk.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc…c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]   Unnecessary

iSM07416:   State of POOL has become attn(copy back). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that data in a pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) has been restored from a spare disk.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]   Unnecessary

163

iSM07452: State of PD(<*aa*>h) has become info(inactive). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>][_ALERT_]

[Classification]   INFO

[Explanation]   It indicates that trouble occurred in the physical disk (number: ee-ff) of disk array (name: bbb...b).

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

Indicates pool information. (for the disk arrays with pool)

xxxx   :   Pool number

yyy...y :   Pool name

- RankNo=<*xx*>h-<*yy*>h

Indicates RANK information. (for other than the disk arrays with pool)

xx-yy   :   RANK number

hhh...h/ii : Maintenance information

[Measures]   Check the status of resource with the trouble and perform the appropriate maintenance.

164

iSM07454: State of PD(<*aa*>h) has become attn(rebuilding). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>]

[Classification]   NOTICE

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) is rebuilding data.

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

    - PoolNo=<*xxxx*>h PoolName=<*yyy...y*>

       Indicates pool information. (for the disk arrays with pool)

       xxxx : Pool number

       yyy...y : Pool name

    - RankNo=<*xx*>h-<*yy*>h

       Indicates RANK information. (for other than the disk arrays with pool)

       xx-yy : RANK number

hhh...h/ii	:	Maintenance information

[Measures]   Unnecessary

165

iSM07459: State of PD(*<aa>*h) has become ready. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*) [UC=*<hhh...h>* FC=*<ii>*]

[Classification]   INFO

[Explanation]   It indicates that the physical disk (number: ee-ff) of disk array (name: bbb...b) has rebuilt data and its status has changed to "ready".

aa	:	Internal number indicating physical disk type
bbb...b	:	Disk array name
ccc...c	:	Product ID of disk array (S2800 Disk Array etc.)
ddd...d	:	Serial number of disk array
ee-ff	:	Physical disk number
ggg...g	:	Information of RANK or pool where the physical disk belongs

- PoolNo=*<xxxx>*h PoolName=*<yyy...y>*

  Indicates pool information. (2800 series disk array)

  xxxx   :   Pool number

  yyy...y :   Pool name

- RankNo=*<xx>*h-*<yy>*h

  Indicates RANK information. (Other than 2800 series disk array)

  xx-yy   :   RANK number

hhh...h/ii   : Maintenance information

[Measures]   Unnecessary

166

iSM07461: State of POOL has become ready. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   INFO

[Explanation]   It indicates that the pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) has become ready.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]   Unnecessary

iSM07462: State of POOL has become fault. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>) [UC=<*fff...f*> FC=<*gg*>][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that trouble occurred in the pool (number: dddd, name: eee...e) of disk array (name: aaa...a).
For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name
fff...f/gg	:	Maintenance information

[Measures]   Check the status of the pool with the trouble and perform the appropriate maintenance.

167

iSM07463: State of POOL has become attn(reduce). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   ERROR

[Explanation]   It indicates that the pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) has become a reduced state.

      aaa...a   : Disk array name

      bbb...b   : Product ID of disk array (S2800 Disk Array etc.)

      ccc...c   : Serial number of disk array

      dddd   : Pool number

      eee...e   : Pool name

[Measures]   Check the status of the pool with the trouble and perform the appropriate maintenance.

iSM07464: State of POOL has become attn(rebuilding). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that the pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) is rebuilding data.

      aaa...a   : Disk array name

      bbb...b   : Product ID of disk array (S2800 Disk Array etc.)

      ccc...c   : Serial number of disk array

      dddd   : Pool number

      eee...e   : Pool name

[Measures]   In relation to the measures for the pool caused by state transition, refer to other applicable messages.

168

iSM07465: State of POOL has become attn(preventive copy). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that data in a pool (number: dddd, name: eee...e) of a disk array
(name: aaa...a) has been copied into a spare disk.

    aaa...a   : Disk array name

    bbb...b   : Product ID of disk array (S2800 Disk Array etc.)

    ccc...c   : Serial number of disk array

    dddd   : Pool number

    eee...e   : Pool name

[Measures]   Unnecessary

iSM07466: State of POOL has become attn(copy back). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that data in a pool (number: dddd, name: eee...e) of a disk array
(name: aaa...a) has been restored from a spare disk.

    aaa...a   : Disk array name

    bbb...b   : Product ID of disk array (S2800 Disk Array etc.)

    ccc...c   : Serial number of disk array

    dddd   : Pool number

    eee...e   : Pool name

[Measures]   Unnecessary

169

iSM07501: Request is meaningless(already)

[Explanation]   It indicates that the request for starting or terminating the disk array monitoring
has already executed.
This message is output on UNIX system.

[Measures]   Unnecessary

iSM07503: Resource table is re-created

[Explanation]   It indicates that the request is suspended since the disk array configuration is
changed.
This message is output on UNIX system.

[Measures]   Retry.

iSM07504: Entry is not found

[Explanation]   It indicates that the request is suspended since the disk array configuration is
changed.
This message is output on UNIX system.

[Measures]   Retry after checking the related resources.

iSM07505: Service stopped

[Explanation]   It indicates that the request cannot be executed since the iSM is stopped.
This message is output on UNIX system.

[Measures]   Unnecessary

iSM07506: Request cancel

[Explanation] It indicates that the request is cancelled since due to disk array failure, etc.
This message is output on UNIX system.

[Measures] For disk array failure, retry after recovering the disk array. For other cases,
retry after investigating the cause from syslog or iSM operation log.

iSM07507: Disk array is not watched

[Explanation] It indicates that the request cannot be executed since the specified disk array is
not being monitored.
This message is output on UNIX system.

[Measures] Retry after the disk array becomes in the monitoring status.

iSM07509: Disk array is busy(retype later)

[Explanation] It indicates that the request cannot be executed since another request is being
processed for the disk array.
This message is output on UNIX system.

[Measures] Retry after the processing of the request is completed.

iSM07511: Control path failed

[Explanation] It indicates that the request cannot be executed since the disk array failure
occurred.
This message is output on UNIX system.

[Measures] Retry after the disk array is recovered.

171

iSM07512: Specified disk array is not managed

[Explanation]　　It indicates that the specified disk array name is not managed by the iSM server.
This message is output on UNIX system.

[Measures]　　Retry after checking the disk array name.

iSM07513: Disk array is busy(configuration)

[Explanation]　　It indicates that the request cannot be executed since the disk array is in the
configuration setting status.

[Measures]　　Retry after checking that the disk array configuration setting is completed.

iSM07550: Program error has occurred. (code=<*aaa...a*>)

[Classification]　　NOTICE

[Explanation]　　It indicates that an internal processing error occurred in the state monitoring
process.
This message is output on UNIX system.
aaa...a　　　:　Internal error code

[Measures]　　Investigate the cause with syslog or iSM operation log.

iSM07551: Time out has occurred. (code=<*aaa...a*>)

[Classification]　　NOTICE

[Explanation]　　It indicates that a timeout occurred in state monitoring process.
aaa...a　　　:　Internal error code

[Measures]　　Investigate the cause with syslog or iSM operation log.

172

iSM07552: Invalid parameter has detected. (code=<aaa...a>)

[Classification] NOTICE

[Explanation] It indicates that invalid parameter has been detected in state monitoring process.

aaa...a : Internal error code

[Measures] Execute again. If the same phenomenon recurs, investigate the cause with syslog or iSM operation log.

iSM07553: Process killed

[Classification] NOTICE

[Explanation] It indicates that signal reception caused the process end.

This message is output on UNIX system.

[Measures] Execute again. If the same phenomenon recurs, investigate the cause with syslog or iSM operation log.

iSM07554: Internal communication error has occurred. (code=<*aaa...a*>)

[Classification] NOTICE

[Explanation] It indicates that error occurred in the coordination between state monitoring process and other related process.

aaa...a : Internal error code

[Measures] Execute again. If the same phenomenon recurs, investigate the cause with syslog or iSM operation log.

173

iSM07555: System call error has occurred. [func=<*aaa...a*> errno=<*bbb...b*>] (code=<*ccc...c*>)

[Classification]   NOTICE

[Explanation]   It indicates that system error occurred in state monitoring process.

    aaa...a   : Function name

    bbb...c   : Error number

    ccc...c   : Internal error code

[Measures]   Execute again.   If the same phenomenon recurs, investigate the cause with syslog or iSM operation log.

iSM07556: Insufficient resource has detected. (code=<*aaa...a*>)

[Classification]   NOTICE

[Explanation]   It indicates that it failed to allocate the resources for internal processing in state monitoring process.

    aaa...a   : Internal error code

[Measures]   Execute again.   If the same phenomenon recurs, investigate the cause with syslog or iSM operation log.

iSM07557: This function is not supported

[Explanation]   It indicates that you requested the function that is not supported the iSM server.

[Measures]   Check the iSM server version.

174

iSM07601: Attribute of LD has configured. (<aaa...a>)

[Classification]   NOTICE

[Explanation]   It indicates that attribute of LD is configured for the disk array (name: aaa...a).
aaa...a   : Disk array name

[Measures]   Unnecessary

iSM07602: LD movement terminated. (<*aaa...a*>)

[Classification]   NOTICE

[Explanation]   It indicates that configuration information is received again because the inconsistency is detected in the disk array configuration information after LD movement is completed for the disk array (name: aaa...a).
aaa...a   : Disk array name

[Measures]   Unnecessary

iSM07611: Initialization of LD has failed. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)

[Classification]   NOTICE

[Explanation]   It indicates that data initialization is failed for the logical disk (number: dddd, name: eee...e) in the disk array (name: aaa...a).
aaa...a   : Disk array name
bbb...b   : Product ID of disk array (S2100 Disk Array etc.)
ccc...c   : Serial number of disk array
dddd   : Logical disk number
eee...e   : Logical disk name

[Measures]   Check the status of the resource with the trouble and perform the appropriate maintenance.

175

iSM07616: The capacity of SRA used is over threshold.(*<aaa...a>* productID=*<bbb...b>* SN=*<ccc...c>* No=*<dddd>*h Name=*<eee...e>* capacity=*<fff...f>*GB threshold=*<ggg...g>*GB)

[Classification]   WARNING

[Explanation]   It indicates that the used capacity of snapshot reserve area (number: dddd and

name: eee...e) in disk array (name: aaa...a) exceeded specified threshold values.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number of snapshot reserve area
eee...e	:	Pool name of snapshot reserve area
fff...f	:	Used capacity of snapshot reserve area
ggg...g	:	Threshold of snapshot reserve area

[Measures]   Expand the snapshot reserve area or delete unnecessary snapshots.

176

iSM07617: The capacity of SRA used is under threshold.(*\<aaa...a\>* productID=*\<bbb...b\>* SN=*\<ccc...c\>* No=*\<dddd\>*h Name=*\<eee...e\>* capacity=*\<fff...f\>*GB threshold=*\<ggg...g\>*GB)

[Classification]   INFO

[Explanation]   It indicates that the used capacity of pool (number: dddd and name: eee...e) in disk array (name: aaa...a) fell below specified threshold values.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number of snapshot reserve area
eee...e	:	Pool name of snapshot reserve area
fff...f	:	Used capacity of snapshot reserve area
ggg...g	:	Threshold of snapshot reserve area

[Measures]   Unnecessary

177

iSM07620: Expansion State of POOL has become normal-end. (*<aaa...a>* productID=*<bbb...b>* SN=*<ccc...c>* No=*<dddd>*h Name=*<eee...e>*)[_ALERT_]

[Classification]　INFO

[Explanation]　It indicates that capacity expansion of a pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) normally ended.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]　Unnecessary

iSM07621: Expansion State of POOL has become expanding. (*<aaa...a>* productID=*<bbb...b>* SN=*<ccc...c>* No=*<dddd>*h Name=*<eee...e>*)[_ALERT_]

[Classification]　NOTICE

[Explanation]　It indicates that the capacity of a pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) is being expanded.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]　Unnecessary

178

iSM07622: Expansion State of POOL has become expand-fail. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)[_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates that capacity expansion of a pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) failed.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name

[Measures]   Check the state of the pool with the trouble and perform the appropriate maintenance.

179

iSM07670: Expansion State of POOL has become normal-end. (*<aaa...a>* productID=*<bbb...b>* SN=*<ccc...c>* No=*<dddd>*h Name=*<eee...e>*)[UC=*<fff...f>* FC=*<gg>*][_ALERT_]

[Classification]   INFO

[Explanation]   It indicates that capacity expansion of a pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) normally ended.

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name
fff…f/gg	:	Maintenance information

[Measures]   Unnecessary

180

iSM07671: Expansion State of POOL has become expanding. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)[UC=<*fff...f*> FC=<*gg*>][_ALERT_]

[Classification]　NOTICE

[Explanation]　It indicates that the capacity of a pool (number: dddd, name: eee...e) of a disk array (name: aaa...a) is being expanded.

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a	:	Disk array name
bbb...b	:	Product ID of disk array (S2800 Disk Array etc.)
ccc...c	:	Serial number of disk array
dddd	:	Pool number
eee...e	:	Pool name
fff…f/gg	:	Maintenance information

[Measures]　Unnecessary

181

iSM07672: Expansion State of POOL has become expand-fail. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)[UC=<*fff...f*> FC=<*gg*>][_ALERT_]

[Classification   ERROR

[Explanation]   It indicates that capacity expansion of a pool (number: dddd, name: eee...e) of a

disk array (name: aaa...a) failed.

For Windows, this message is target of ESMPRO Manager Report, and also to

be target of ALIVE/Express Report via ESMPRO.

aaa...a   : Disk array name

bbb...b   : Product ID of disk array (S2800 Disk Array etc.)

ccc...c   : Serial number of disk array

dddd   : Pool number

eee...e   : Pool name

fff…f/gg   : Maintenance information

[Measures]   Check the state of the pool with the trouble and perform the appropriate

maintenance.

iSM07900: Process is busy when it terminates emergency. Unexpected error message may be generated.

[Classification]   WARNING

[Explanation]   The state monitoring instructed emergency stop.   However, process could not

be stopped immediately.

This message is output on Windows system.

[Measures]   Unnecessary

182

iSM07950: Illegal write data has been detected. (*<aaa...a>*, LD=*<bbb...b>*(*<cccc>*h), host-info=*<ddd...d>*)

[Classification]   WARNING

[Explanation]   It indicates that an invalid write request on disk array was detected by data retention function.

aaa...a	:	Name of disk array that detected invalid write request.
bbb...b	:	Name of logical disk that detected invalid write request.
cccc	:	Number of logical disk that detected invalid write request.
ddd...d	:	Server location on which illegal data writing was requested, indicated by World Wide Port Name (WWPN) of Host Bus Adapter (HBA).

[Measures]   Locate a fault, and re-execute transaction as required.

iSM07981: Message output failed (*<aaa...a>*)

[Classification]   NOTICE

[Explanation]   It indicates that it failed to output the message in state monitoring process.

aaa...a   :   Contents of message to be output

[Measures]   Investigate the cause with syslog or iSM operation log.

183

iSM08000~

iSM08020: Disk array=<*aaa...a*> logging is started interval=<*bb*>

[Classification]   INFO

[Explanation]   It indicates that data accumulation started on statistic information history file.

    aaa...a   : Disk array name

    bb   : Accumulation interval (minute)

[Measures]   Unnecessary

iSM08021: Disk array=<*aaa...a*> logging is stopped

[Classification]   INFO

[Explanation]   It indicates that accumulation into statistics information history file has been stopped.

    aaa...a   : Disk array name

[Measures]   Unnecessary

iSM08022: Disk array=<*aaa...a*> logging interval has changed interval=<*bb*>

[Classification]   NOTICE

[Explanation]   It indicates that data accumulation changed interval on statistic information history file.

    aaa...a   : Disk array name

    bb   : Accumulation interval after change (minute)

[Measures]   Unnecessary

184

iSM08030: Disk array=<*aaa...a*> logging is already started

[Classification] NOTICE

[Explanation] It indicates that accumulation into statistics information history file has already been started.

aaa...a : Disk array name

[Measures] Check whether the specified disk array name is correct.

iSM08031: Disk array=<*aaa...a*> logging is already stopped

[Classification] NOTICE

[Explanation] It indicates that accumulation into statistics information history file has already been stopped.

aaa...a : Disk array name

[Measures] Check whether the specified disk array name is correct.

iSM08032: Disk array=<*aaa...a*> is not monitored

[Classification] NOTICE

[Explanation] It indicates that specified disk array is not monitored.

aaa...a : Disk array name

[Measures] Start the accumulation of statistics information or perform the stop operation, after setting the disk array as a monitoring object.

185

iSM08033: Disk array=<*aaa...a*> does not exist

[Classification]   NOTICE

[Explanation]   The following status is indicated.

(1) The specified disk array does not exist.

(2) PerformanceMonitor has not been purchased for specified disk array

aaa...a   : Disk array name

[Measures]   Specify the correct disk array name.

iSM08034: There is no disk array

[Classification]   NOTICE

[Explanation]   It indicates that there was no object disk array when batch operation (-a option) of starting/stopping accumulation into statistics information history file, was executed for all disk array with a prf_start command.

This message is output on UNIX system.

[Measures]   Check the status of disk array and if necessary, execute the command again.

iSM08035: Disk array=<*aaa...a*> logging is started(overload) interval=<*bb*>

[Classification]   NOTICE

[Explanation]   It indicates that accumulation into statistics information history file has been started. But disk array has become overloaded as a result of acquisition of statistics information.

aaa...a   : Disk array name

bb   : Accumulation interval after change (minute)

[Measures]   If over-loading of disk array effects on the process, stop the accumulation.

186

iSM08036: Disk array=<*aaa...a*> is overload

[Classification]   NOTICE

[Explanation]   It indicates that accumulation of statistics information cannot be started due to the following causes.

(1)   There are so many disk array components that statistic information cannot be collected by specified logging interval.

(2)   The disk array is failed.

aaa...a   : Disk array name

[Measures]   Take an appropriate measure according to the cause:

Measures against Cause (1):

- Specify the automatic logging interval adjustment in the iSM server environmental definition. This will set the optimal logging interval, avoiding accumulation start failure.

- You may be able to start statistic information accumulation by decreasing the display refresh rate of performance monitoring screen or the number of real-time monitoring items.

Measures against Cause (2):

- Stop monitoring and perform troubleshooting. After troubleshooting, re-start monitoring and start statistic information accumulation.

iSM08037: Disk array=<*aaa...a*> is overload limit=<*bbbb*> residual=<*cccc*>

[Classification]   NOTICE

[Explanation]   It indicates that disk array is overloaded.

aaa...a   : Disk array name

bbbb   : Upper limit of count for statistic information collection process (times/minute)

cccc   : Number of additional devices allowed for real-time monitoring

[Measures]   Addition of real-time monitoring devices is allowed up to cccc.   For adding more devices to be monitored, remove a cause of overloading.

187

iSM08050:　Performance data is over threshold (disk array=<*aaa...a*> [, type=<*bbbb*>] [, number=<*cccc*>] : <*dddddddd*> <value =<*eee...e*> (<*ffff*>), threshold=<*ggg...g*>(<*ffff*>)>)

[Classification]　WARNING

[Explanation]　Performance data of components in disk array exceeded specified threshold values.

aaa...a	:	Disk array name
bbbb	:	Calculation unit
	PORT	: Port
	CHESEG	: Cache segment
	LD	: Logical Disk
	PD	: Physical Disk
cccc	:	Component ID number
dddddddd	:	Monitoring item
	iops	: I/O Density
	rate	: Transfer Rate
	avlen	: Average Transfer Length
	avresp	: Average Response Time
	readhit	: Read Hit Ratio
	writehit	: Write Hit Ratio
	busy	: Busy Ratio
eee...e	:	Performance data value
ffff	:	Monitoring item value
ggg...g	:	Threshold value

[Measures]　Research the access status of components with exceeded thresholds as necessary.

iSM08051:　Performance monitoring overhead exceeds permissible amount (disk array=<*aaa...a*>)

[Classification]　NOTICE

[Explanation]　It indicates that disk array has become overloaded.
　　　　　　　aaa...a　:　Disk array name

[Measures]　Because performance monitoring has been continued, perform measures such as reducing components and release the overload status.

188

iSM08052: Threshold monitoring condition has changed interval=<*aa*>(<*bbb*>) border=<*ccc*>

[Classification]	NOTICE

[Explanation]	It indicates that threshold monitoring conditions have been changed.

	aa	: Threshold monitoring interval
	bbb	: Unit of threshold monitoring interval (min or sec)
	ccc	: Minimum number of I/Os

[Measures]	Unnecessary

iSM08053: Condition to reset threshold excess state has changed interval=<*aa*> time=<*bb*>:<*cc*>

[Classification]	NOTICE

[Explanation]	It indicates that threshold excess release conditions have been changed.

	aa	: Threshold excess release interval (threshold monitoring count)
		* If no value is specified, asterisk is displayed (interval=*)
	bb:cc	: Threshold excess release time
		* If no value is specified, asterisk is displayed (time=**:**)

[Measures]	Unnecessary

189

iSM08054: Threshold excess state has been reset [Disk array=<*aaa...a*>][type=<*bbbb*>][number=<*cccc*>][<<*dddddddd*>>]

[Classification]   NOTICE

[Explanation]   Threshold excess status has been released automatically.

aaa...a	:	Disk array name
bbbb	:	Calculation unit
	PORT	: Port
	CHESEG	: Cache segment
	LD	: Logical Disk
	PD	: Physical Disk
cccc	:	Component ID number
dddddddd	:	Monitoring item
	iops	: I/O Density
	rate	: Transfer Rate
	avlen	: Average Transfer Length
	avresp	: Average Response Time
	readhit	: Read Hit Ratio
	writehit	: Write Hit Ratio
	busy	: Busy Ratio

[Measures]   Unnecessary

iSM08055: Saving of threshold monitoring object failed ([disk array=<*aaa...a*>] [func=<*bbb...b*>] [errno=<*cccc*>] [detcode=<*dddddddd*>])

[Classification]   WARNING

[Explanation]   It indicates that storing of threshold value failed.

aaa...a	:	Disk array name
bbb...b	:	Name of function in which an error occurred.
cccc	:	Error number
dddddddd	:	Detail code

[Measures]   Disk space shortage and file system failure are suspected.   Remove a cause of error and restart the iSM server.   Then, specify a threshold on the performance monitor screen again.

190

iSM08056: Restoration of threshold monitoring object failed ([disk array=<*aaa...a*>] [func=<*bbb...b*>] [errno=<*cccc*>] [detcode=<*dddddddd*>])

[Classification]   WARNING

[Explanation]   It indicates that restoration of threshold value failed.

aaa...a	:	Disk array name
bbb...b	:	Name of function in which an error occurred.
cccc	:	Error number
dddddddd	:	Detail code

[Measures]   Input error of threshold saving file or shortened display refresh rate is suspected as a possible cause. Against an input error of threshold saving file, remove the cause of file system failure and then restart the iSM server. Against shortened display refresh rate (detcode=01660086), restore the display refresh rate to a previous value or specify a threshold value on the performance monitoring screen again.

191

iSM08060: Psl file {open|access|close} error func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*> file=<*ddd...d*>

[Classification]   WARNING

[Explanation]   It indicates that error occurred in open/access/close of statistics information history file.

aaa...a   :   Function name with error.

bbbb   :   Error number

cccccccc   :   Detail code of error

ddd...d   :   File name

The followings are the main reasons for this message output.

- Opening process failed because there was no directory defined in the environment definition file.
  errno=2
  detcode=0122f026
- Opening process failed because the directory defined in the environment definition file has no writing permission.
  errno=13
  detcode=0122f026,0122f025
- It failed in the open/access/close processing of statistics information history file due to shortage of disk space.
  errno=2,4,28
  detcode=0122f026,01220031,01220032,0122f033,0122f035,01230013,01230014,01260030, 01260031,01100002,0122f011,0122f025
- Access error of disk occurred.
  errno=5
  detcode=01220031,01220032,0122f033,0122f035,01230013,01230014,01260030,01260031

[Measures]   Remove the cause of trouble.

iSM08061: Psl file sequence number is over max value

[Classification]   WARNING

[Explanation]   It indicates that the sequence number of the statistics information history file has been over the maximum value.

[Measures]   Save or delete the statistics information history file and restart the iSM server.

192

iSM08062: Psl file name is over max value

[Classification]   WARNING

[Explanation]   It indicates that file name of statistics information history file has been over the maximum value.

[Measures]   Review the file name of statistics information history file or the storage directory.

iSM08063: Psl file already exist (disk array= <*aaa...a*> file=<*bbb...b*>)

[Classification]   INFO

[Explanation]   It indicates that a statistics information history file has already existed. In this case, a new file is created by assigning a file sequence number to the existing statistics information history file name, and accumulation of statistics information will normally start.

aaa...a   : Disk array name

bbb...b   : File name finally determined

[Measures]   Unnecessary

iSM08070: Make directory failed dirname=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*>

[Classification]   NOTICE

[Explanation]   It indicates that it failed to create the directory.

aaa...a   : Directory name

bbbb   : Error code

cccccccc   : Detail code

[Measures]   Remove the cause of trouble and restart the iSM server.

193

iSM08071: Change directory failed dirname=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*>

[Classification]   NOTICE

[Explanation]   It indicates that it failed to change the directory.

aaa...a   : Directory name

bbbb   : Error code

cccccccc   : Detail code

[Measures]   Remove the cause of trouble and restart the iSM server.

iSM08072: Insufficient resource detected func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*>

[Classification]   NOTICE

[Explanation]   It indicates that it failed to reserve resources.

aaa...a   : Function name

bbbb   : Error code

cccccccc   : Detail code

[Measures]   Remove the cause of trouble and restart the iSM server.

iSM08091: To create process failed func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*>

[Classification]   NOTICE

[Explanation]   It indicates that it failed to generate the internal process.

aaa...a   : Function name

bbbb   : Error code

cccccccc   : Detail code

[Measures]   Check whether there is no fault in the operation environment of iSM server and restart it.

194

iSM08092: To get performance data failed from disk array=<*aaa...a*> type=<*bbb...b*> number=<*cccc*> detcode=<*dddddddd*>

[Classification]   NOTICE

[Explanation]   It indicates that I/O error occurred in disk array collecting statistics information.

aaa...a	:	Disk array name	
bbb...b	:	Type of failed information	
		SYSTEM (MNT) :	Maintenance information of disk array
		SYSTEM (INQ) :	Attribute information of disk array
		HD :	Statistics information of HD
		RD :	Statistics information of RD
		DD :	Statistics information of DD
		CACHE :	Statistics information of CACHE
		CHESEG :	Statistics information of CHESEG
		LD :	Statistics information of LD
		PD :	Statistics information of PD
		RANK :	Statistics information of RANK
		POOL :	Statistics information of POOL
cccc	:	ID number of component of failed information	
dddddddd	:	Detail code	

[Measures]   Investigate the state of disk array and remove the cause of trouble.

iSM08093: Failed in communication with <*aaaa*> [func=<*bbb...b*>] [errno=<*cccc*>] detcode=<*dddddddd*>

[Classification]   NOTICE

[Explanation]   It indicates that error occurred in internal communication control.

aaaa	:	Destination of communication
bbb...b	:	Function name
cccc	:	Error code
dddddddd	:	Detail code

[Measures]   Collect necessary information according to the iSM error information collection procedure, and restart the iSM server.

195

iSM08094: System call error occurred func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*>

[Classification]   NOTICE

[Explanation]   It indicates that abnormalities occurred in iSM server operation.

aaa...a	:	Function name
bbbb	:	Error code
cccccccc	:	Detail code

[Measures]   Restart iSM server.

iSM08099: Program error occurred detcode=<*aaaaaaaa*>

[Classification]   NOTICE

[Explanation]   It indicates that internal contradiction has been detected.

aaaaaaaa	:	Detail code

[Measures]   Restart iSM server.

iSM08180: Accept new display refresh rate(<*a*> times/minute old=<*b*>)

[Classification]   NOTICE

[Explanation]   Display refresh rate was changed.

a	:	Specified refresh rate
b	:	Refresh rate before change

[Measures]   Unnecessary

196

iSM08181:　Specified value is the same as current value(<*a*> times/minute)

[Classification]　　NOTICE

[Explanation]　　The specified value is same as current display refresh rate. The command will be ignored.

　　　　　　　a　　　　　　：　Specified refresh rate

[Measures]　　Unnecessary

iSM08182:　Can't change display refresh rate(<*aaa...a*>:<*bbb...b*>)

[Classification]　　NOTICE

[Explanation]　　Display refresh rate cannot be changed for the causes shown in aaa...a.

　　　　　　　aaa...a　　　：　cause

　　　　　　　　　　　　- stop all clients:

　　　　　　　　　　　　　Refresh rate cannot be changed because a performance monitoring screen is displayed.

　　　　　　　　　　　　- reduce threshold monitoring object:

　　　　　　　　　　　　　Refresh rate cannot be changed due to excess number of threshold monitoring object.

　　　　　　　bbb...b　　　：　Disk array name

[Measures]　　Take the measures below.

　　　　　- If the change was failed because a performance monitoring client was being connected. (stop all clients)

　　　　　　Terminate all performance monitoring clients, then execute the command again.

　　　　　- If the change was failed due to excess number of threshold monitoring object. (reduce threshold monitoring object)　　Reduce the threshold monitoring objects from performance monitoring clients, execute the command again.

197

iSM08183: Specified value is not allowed as display refresh rate(*<a>* times/minute)

[Classification]　　NOTICE

[Explanation]　　The specified value is not allowed as a display refresh rate.

　　　　　　　　a　　　　　：　Specified refresh rate

[Measures]　　　Review the specified value.

iSM08201: Illegal performance data was received from disk array=*<aaa...a>* type=*<bbbb>* number=*<cccc>* detcode=*<dddddddd>*

[Classification]　　NOTICE

[Explanation]　　Performance data collected from HW is illegal.

　　　　　　　　aaa...a　　　：　Disk array name

　　　　　　　　bbbb　　　　：　Type of performance data

　　　　　　　　　　　　HD　　　　　　：　Statistical information of HD

　　　　　　　　　　　　RD　　　　　　：　Statistics information of RD

　　　　　　　　　　　　DD　　　　　　：　Statistical information of DD

　　　　　　　　　　　　CHESEG　　　：　Statistics information of CHESEG

　　　　　　　　　　　　LD　　　　　　：　Statistical information of LD

　　　　　　　　　　　　PD　　　　　　：　Statistical information of PD

　　　　　　　　　　　　RANK　　　　：　Statistical information of RANK

　　　　　　　　　　　　POOL　　　　：　Statistics information of POOL

　　　　　　　　cccc　　　　：　Component ID number

　　　　　　　　dddddddd　：　Detail code

[Measures]　　　Collect necessary information according to the iSM error information collection

　　　　　　　　procedure, and restart the iSM server.

198

iSM08900: Process busy when terminate emergency. unexpected error message maybe generated.

[Classification]   WARNING

[Explanation]   The performance monitoring instructed emergency stop.   However, process could not be stopped immediately.
This message is output on Windows system.

[Measures]   Unnecessary

199

iSM09000 ~

iSM09001: System call error occurred func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*>

[Classification]   NOTICE

[Explanation]   It indicates that an error occurred in iSM server operation.

aaa...a   : Function name

bbbb   : Error code

cccccccc   : Detail code

[Measures]   Restart iSM server.

iSM09002: Start LD movement from <*aaaa*>(<*bbb...b*>) to <*cccc*>(<*ddd...d*>) in <*eee...e*>

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk movement starts.

aaaa   : Logical disk number of moved material logical disk

bbb...b   : Logical disk name of moved material logical disk

cccc   : Logical disk number of work disk for Optimization

ddd...d   : Logical disk name of work disk for Optimization

eee...e   : Disk array name

[Measures]   Unnecessary

200

iSM09003: LD movement from *<aaaa>(<bbb...b>)* to *<cccc>(<ddd...d>)* in *<eee...e>* *<fff...f>*

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk movement process has been completed.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name
fff...f	:	Error cause

terminated successfully	:	Moving of the logical disk terminated normally.
terminated unsuccessfully	:	Moving of the logical disk terminated abnormally.
stopped by user request	:	The movement process suspended by user request.

[Measures]   Take the measures below.

- terminated successfully
  Unnecessary
- terminated unsuccessfully
  Correct the specified conditions and execute the process again.
- stopped by user request
  Unnecessary

201

iSM09004: Changed LD movement speed from *<aaaa>*(*<bbb...b>*) to *<cccc>*(*<ddd...d>*) in <eee...e>

[Classification]   NOTICE

[Explanation]   It indicates that the logical disk movement speed is changed.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name

[Measures]   Unnecessary

iSM09005: Insufficient resource detected func=*<aaa...a>* errno=*<bbbb>* detcode=*<cccccccc>*

[Classification]   NOTICE

[Explanation]   It indicates that it has failed to acquire sufficient memory.

aaa...a	:	Function name
bbbb	:	Error code
cccccccc	:	Detail code

[Measures]   Remove the cause of the error and restart the iSM server.

iSM09006: Failed in communication with *<aaaa>* func=*<bbb...b>* errno=*<cccc>* detcode=*<dddddddd>*

[Classification]   NOTICE

[Explanation]   It indicates that an error has occurred on the internal communication process.

aaaa   : Communication target
bbb...b   : Function name
cccc   : Error code
dddddddd : Detail code

[Measures]   Remove the cause of the error and restart the iSM server.

iSM09007: To create process failed func=*<aaa...a>* errno=*<bbbb>* detcode=*<cccccccc>*

[Classification]   NOTICE

[Explanation]   It indicates that it has failed to create internal process.

aaa...a   : Function name
bbbb   : Error code
cccccccc : Detail code

[Measures]   Remove the cause of the error and restart the iSM server.

203

iSM09008: Make directory failed dirname=<*aaa...a*> func=<*bbb...b*> errno=<*cccc*> detcode=<*dddddddd*>

[Classification]   NOTICE

[Explanation]   It indicates that it has failed to create the directory.

aaa...a	:	Directory name
bbb...b	:	Function name
cccc	:	Error code
dddddddd	:	Detail code

[Measures]   Remove the cause of the error and restart the iSM server.

iSM09009: Change directory failed dirname=<*aaa...a*> func=<*bbb...b*> errno=<*cccc*> detcode=<*dddddddd*>

[Classification]   NOTICE

[Explanation]   It indicates that it has failed to move the directory.

aaa...a	:	Directory name
bbb...b	:	Function name
cccc	:	Error code
dddddddd	:	Detail code

[Measures]   Remove the cause of the error and restart the iSM server.

204

iSM09010: Request of start LD movement from *<aaaa>(<bbb...b>)* to *<cccc>(<ddd...d>)* in *<eee...e>* is rejected detcode=*<ffffffff>*

[Classification]   NOTICE

[Explanation]   It indicates that the request to move the logical disk was rejected.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name
ffffffff	:	Detail code

[Measures]   Check whether or not an error has occurred on the disk array based on the information shown in other messages.   If there is an error, remove the cause of the error and execute the process again.

iSM09011: Request of stop LD movement from *<aaaa>(<bbb...b>)* to *<cccc>(<ddd...d>)* in *<eee...e>* is rejected detcode=*<ffffffff>*

[Classification]   NOTICE

[Explanation]   It indicates that the request to suspend moving process of the logical disk was rejected.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name
ffffffff	:	Detail code

[Measures]   Take the measures below.
- Check the specification of the logical disk for which the movement is suspended.
- Check for the disk array status according to the related messages, eliminate the error cause (e.g., error recovery), and then re-execute the command.

205

iSM09012: Request of change LD movement speed from *<aaaa>*(*<bbb...b>*) to *<cccc>*(*<ddd...d>*) in *<eee...e>* is rejected detcode=*<ffffffff>*

[Classification]   NOTICE

[Explanation]   It indicates that the request to change the logical disk movement speed was rejected.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name
ffffffff	:	Detail code

[Measures]   Take the measures below.

- Check the specification of the logical disk for which the movement speed is changed.
- Check for the disk array status according to the related messages, eliminate the error cause (e.g., error recovery), and then re-execute the command.

iSM09013: To get subsystem information failed from disk array=*<aaa...a>* detcode=*<bbbbbbbb>*

[Classification]   NOTICE

[Explanation]   It indicates that the attempt to obtain such information related to the disk array as configuration and attribution failed.

aaa...a	:	Disk array name
bbbbbbbb	:	Detail code

[Measures]   Find the cause of the error on the disk array based on the information shown in other messages, remove the cause and resume monitoring.

206

iSM09014: Failed in termination of LD movement from *<aaaa>(<bbb...b>)* to *<cccc>(<ddd...d>)* in *<eee...e>* detcode=*<ffffffff>*

[Classification]   NOTICE

[Explanation]   It indicates that the attempt to terminate the logical disk movement process failed.

    aaaa   : Logical disk number of moved material logical disk
    bbb...b   : Logical disk name of moved material logical disk
    cccc   : Logical disk number of work disk for Optimization
    ddd...d   : Logical disk name of work disk for Optimization
    eee...e   : Disk array name
    ffffffff   : Detail code

[Measures]   Find the cause of the error on the disk array based on the information shown in other messages, remove the cause and resume monitoring.   When monitoring is resumed, the termination process for the logical disk movement is executed again.

iSM09015: Illegal LD movement information was received from *<aaa...a>*

[Classification]   NOTICE

[Explanation]   It indicates that the following abnormality occurred in moving of logical disks.

    (1) The movement information of the logical disk included illegal information.
    (2) Issuing of requests regarding moving logical disks failed.

    aaa...a   : Disk array name

[Measures]   Take the measures below.

    (1) Collect information necessary for checking the error cause according to the iSM error information collection procedure.
    (2) Find the cause of the error on the disk array based on the information shown in other messages, remove the cause and resume monitoring.

207

iSM09016: The schedule of LD movement from *<aaaa>*(*<bbb...b>*) to *<cccc>* (*<ddd...d>*) in *<eee...e>* registered. schedule time=*<ffff>*/*<gg>*/*<hh>* *<ii>*:*<jj>* range=*<kk>*

[Classification]   NOTICE

[Explanation]   It indicates that moving schedule of logical disks has been registered.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name
ffff/gg/hh ii:jj	:	Scheduled start time of moving logical disks (year/month/day hour:minute)
kk	:	Re-execution continuing time when the Logical Disk could not be moved at scheduled time (1 to 24, unit: hour)

[Measures]   Unnecessary

iSM09017: Request to register the schedule of LD movement from *<aaaa>*(*<bbb...b>*) to *<cccc>*(*<ddd...d>*) in *<eee...e>* rejected. detcode=*<ffffffff>*

[Classification]   NOTICE

[Explanation]   It indicates that registering of moving schedule of logical disks failed.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name
ffffffff	:	Detail code

[Measures]   Remove a cause of the failure with references to other related messages, and retry registration.

208

iSM09018: The schedule of LD movement from *<aaaa>*(*<bbb...b>*) to *<cccc>* (*<ddd...d>*) in *<eee...e>* deleted.

[Classification]   NOTICE

[Explanation]   It indicates that moving schedule of registered logical disks has been canceled.

    aaaa   : Logical disk number of moved material logical disk

    bbb...b   : Logical disk name of moved material logical disk

    cccc   : Logical disk number of work disk for Optimization

    ddd...d   : Logical disk name of work disk for Optimization

    eee...e   : Disk array name

[Measures]   Unnecessary

iSM09019: Request to delete the schedule of LD movement from *<aaaa>*(*<bbb...b>*) to *<cccc>*(*<ddd...d>*) in *<eee...e>* rejected. detcode=*<ffffffff>*

[Classification]   NOTICE

[Explanation]   It indicates that canceling of moving schedule of logical disks failed.

    aaaa   : Logical disk number of moved material logical disk

    bbb...b   : Logical disk name of moved material logical disk

    cccc   : Logical disk number of work disk for Optimization

    ddd...d   : Logical disk name of work disk for Optimization

    eee...e   : Disk array name

    ffffffff   : Detail code

[Measures]   Remove a cause of the failure with references to other related messages, and retry registration.

209

iSM09020: The schedule of LD movement from *<aaaa>*(*<bbb...b>*) to *<cccc>* (*<ddd...d>*) in *<eee...e>* changed. schedule time=*<ffff>*/*<gg>*/*<hh>* *<ii>*:*<jj>* range=*<kk>*

[Classification]   NOTICE

[Explanation]   It indicates that moving schedule of registered logical disks has been changed.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name
ffff/gg/hh ii:jj	:	Scheduled start time of moving logical disks (year/month/day hour:minute)
kk	:	Re-execution continuing time when the Logical Disk could not be moved at scheduled time (1 to 24, unit: hour)

[Measures]   Unnecessary

iSM09021: Request to change the schedule of LD movement from *<aaaa>*(*<bbb...b>*) to *<cccc>*(*<ddd...d>*) in *<eee...e>* rejected. detcode=*<ffffffff>*

[Classification]   NOTICE

[Explanation]   It indicates that changing of moving schedule of logical disks failed.

aaaa	:	Logical disk number of moved material logical disk
bbb...b	:	Logical disk name of moved material logical disk
cccc	:	Logical disk number of work disk for Optimization
ddd...d	:	Logical disk name of work disk for Optimization
eee...e	:	Disk array name
ffffffff	:	Detail code

[Measures]   Remove a cause of the failure with references to other related messages, and retry changing.

210

iSM09022: Failed to start the scheduled LD movement from *<aaaa>(<bbb...b>)* to *<cccc>(<ddd...d>)* in *<eee...e>*. detcode=*<ffffffff>*

[Classification]   NOTICE

[Explanation]   It indicates that a logical disk to which the moving schedule has been registered cannot be started to move within the re-execution continuing time, or that it cannot be started to move because its configuration is changed.

aaaa	: Logical disk number of moved material logical disk
bbb...b	: Logical disk name of moved material logical disk
cccc	: Logical disk number of work disk for Optimization
ddd...d	: Logical disk name of work disk for Optimization
eee...e	: Disk array name
ffffffff	: Detail code

[Measures]   Retry moving of logical disks of failed moving process, or re-register the moving schedule.

iSM09099: Program error occurred detcode=*<aaaaaaaa>*

[Classification]   NOTICE

[Explanation]   It indicates that internal contradiction is detected.

aaaaaaaa	: Detail code

[Measures]   Collect information necessary for checking the error cause according to the iSM error information collection procedure.

211

iSM09101: Bsl file open failed func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*> filename=<*ddd...d*>

[Classification]   WARNING

[Explanation]   Failed to open the Bsl file.

aaa...a   : Function name

bbbb   : Error code

cccccccc   : Detail code

ddd...d   : Bsl file name

[Measures]   Check the Bsl file and the file system, remove the cause of the error and restart the iSM server.

iSM09102: Bsl file remove failed func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*> filename=<*ddd...d*>

[Classification]   WARNING

[Explanation]   Failed to delete the Bsl file.

aaa...a   : Function name

bbbb   : Error code

cccccccc   : Detail code

ddd...d   : Bsl file name

[Measures]   Check the Bsl file and the file system, remove the cause of the error and restart the iSM server.

212

iSM09103: Bsl file rename failed func=*<aaa...a>* errno=*<bbbb>* detcode=*<cccccccc>* filename=*<ddd...d>*

[Classification]   WARNING

[Explanation]   Failed to change the Bsl file name.

aaa...a	:	Function name
bbbb	:	Error code
cccccccc	:	Detail code
ddd...d	:	Bsl file name

[Measures]   Check the Bsl file and the file system, remove the cause of the error and restart the iSM server.

iSM09104: Bsl file write failed func=*<aaa...a>* errno=*<bbbb>* detcode=*<cccccccc>* [rankno=*<dddd>*] filename=*<eee...e>*

[Classification]   WARNING

[Explanation]   Failed to write to the Bsl file.

aaa...a	:	Function name
bbbb	:	Error code
cccccccc	:	Detail code
dddd	:	RANK number of the data that could not be written
eee...e	:	Bsl file name

[Measures]   Check the Bsl file and the file system, remove the cause of the error and restart the iSM server.

213

iSM09105: Bsl file seek failed func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*> [rankno=<*dddd*>] filename=<*eee...e*>

[Classification]   WARNING

[Explanation]   Seek in the Bsl file failed.

aaa...a	:	Function name
bbbb	:	Error code
cccccccc	:	Detail code
dddd	:	RANK number of the data that could not be positioned
eee...e	:	Bsl file name

[Measures]   Check the Bsl file and the file system, remove the cause of the error and restart the iSM server.

iSM09106: Bsl file read failed func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*> [rankno=<*dddd*>] filename=<*eee...e*>

[Classification]   WARNING

[Explanation]   Failed to read the Bsl file.

aaa...a	:	Function name
bbbb	:	Error code
cccccccc	:	Detail code
dddd	:	RANK number of the data that could not be read
eee...e	:	Bsl file name

[Measures]   Check the Bsl file and the file system, remove the cause of the error and restart the iSM server.

214

iSM09107: Bsl file close failed func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*> filename=<*ddd...d*>

[Classification]   WARNING

[Explanation]   Failed to close the Bsl file.

    aaa...a   : Function name

    bbbb   : Error code

    cccccccc   : Detail code

    ddd...d   : Bsl file name

[Measures]   Check the Bsl file and the file system, remove the cause of the error and restart the iSM server.

iSM09108: Bsl file re-created (illegal format detected detcode=<*aaaaaaaa*>)

[Classification]   NOTICE

[Explanation]   The Bsl file format was illegal when the iSM server was previously operated, and the Bsl file was re-created.

    aaaaaaaa   : Detail code

[Measures]   Unnecessary

215

iSM10000 ~

iSM10001: comm error: main sc=<*aaa*>h
ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed in connection/disconnection to iSM server.

                   aaa   :   Code indicating location of error

                   bbb...b   :   Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server machine and restart the iSM server.

iSM10002: comm error: main sc=<*aaa*>h
ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed to initialize communication function to iSM server.

                   aaa   :   Code indicating location of error

                   bbb...b   :   Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server machine and restart the iSM server.

iSM10020: sys error: main sc=<*aaa*>h
ec=<*bbb...b*>h

[Classification]   ERROR

[Explanation]   It indicates that it failed in system call at the time of starting/termination.

                   aaa   :   Code indicating location of error

                   bbb...b   :   Error code

[Measures]   Check whether abnormalities (such as insufficient memory) have occurred in the operation environment of iSM server machine and restart the iSM server.

216

iSM10040: func error: main sc=<*aaa*>h ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that abnormal termination occurred in the state monitoring function of replication management.

aaa   : Code indicating location of error

bbb...b   : Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server machine and restart the iSM server.

iSM10100: comm error: Agent sc=<*aaa*>h ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed to initialize communication function to iSM server.

aaa   : Code indicating location of error

bbb...b   : Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server machine and restart the iSM server.

iSM10101: comm error: Agent sc=<*aaa*>h ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed to process the telegram transmission to disk array.

aaa   : Code indicating location of error

bbb...b   : Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server.

217

iSM10102: comm error: Agent sc=<*aaa*>h ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed to process the telegram receiving from disk array.

    aaa   : Code indicating location of error

    bbb...b   : Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server.

iSM10103: sys error: Agent sc=<*aaa*>h ec=<*bbb...b*>h

[Classification]   ERROR

[Explanation]   It indicates that it failed in system call when telegram sending/receiving from disk array.

    aaa   : Code indicating location of error

    bbb...b   : Error code

[Measures]   Check whether abnormalities (such as insufficient memory) have occurred in the operation environment of iSM server.

iSM10104: func error: Agent sc=<*aaa*>h ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed to acquire the information from iSM server.

    aaa   : Code indicating location of error

    bbb...b   : Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server.

218

iSM10106: DiskArrayName(=<*aaa...a*>) has changed

[Classification]   NOTICE

[Explanation]   Specified disk array name has been changed.

aaa...a   :   Disk array name

[Measures]   Check whether the disk array name hasn't been changed. Specify the newest one.

iSM10200: comm error: client sc=<*aaa*>h ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed to process the telegram receiving.

aaa   :   Code indicating location of error

bbb...b   :   Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server machine and restart the iSM server.

iSM10201: comm error: client sc=<*aaa*>h ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed to process the telegram transmission.

aaa   :   Code indicating location of error

bbb...b   :   Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server machine and restart the iSM server.

219

iSM10210: comm error: client sc=<*aaa*>h
ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that the telegram message contained an abnormality.

aaa   : Code indicating location of error

bbb...b   : Error code

[Measures]   Failed in communication process with iSM client. If it is a transient failure, check whether abnormalities have occurred in the connection environment between iSM server and iSM client and connect again. If there is no abnormality in the connection environment, the iSM client may be one with old version. Perform the version up of the iSM client and connect again.

iSM10220: sys error: client sc=<*aaa*>h
ec=<*bbb...b*>h

[Classification]   ERROR

[Explanation]   It indicates that it failed in system call when telegram sending/receiving.

aaa   : Code indicating location of error

bbb...b   : Error code

[Measures]   Check whether abnormalities (such as insufficient memory) have occurred in the operation environment of iSM server machine and restart the iSM server.

220

iSM10302: command: *<aaa...a>*, *<bbb...b>*, status=failed (*<cc>*h/*<dd>*h/*<ee>*h)

[Classification]   INFO

[Explanation]   It indicates that it failed in accessing the disk array (failure of SCSI protocol).

aaa...a	:	Command name
bbb...b	:	Disk array name
cc	:	Sense Key defined in SCSI specification
dd	:	Additional Sense Code defined in SCSI specification
ee	:	Additional Sense Code Qualifier defined in SCSI specification

[Measures]   Check whether the configuration of disk array has been changed.

iSM10303: command: *<aaa...a>*, volume= *<bbbb>*h *<ccc...c>*, status=failed (*<dd>*h/*<ee>*h/*<ff>*h)

[Classification]   INFO

[Explanation]   It indicates that it failed in accessing the volume expressed in logical disk number (failure of SCSI protocol).

aaa...a	:	Command name
bbbb	:	Logical disk number
ccc...c	:	Disk array name
dd	:	Sense Key defined in SCSI specification
ee	:	Additional Sense Code defined in SCSI specification
ff	:	Additional Sense Code Qualifier defined in SCSI specification

[Measures]   Check whether the configuration of disk array has been changed.

221

iSM10304: command: *\<aaa...a\>*, *\<bbb...b\>*=*\<ccc...c\>* (*\<dddd\>*h) *\<eee...e\>*, status=failed (*\<ff\>*h/*\<gg\>*h/*\<hh\>*h)

[Classification]   INFO

[Explanation]   It indicates that it failed in accessing the volume expressed in logical disk name (failure of SCSI protocol).

aaa...a	:	Command name
bbb...b	:	Volume classification
ccc...c	:	Logical disk name
dddd	:	Logical disk number
eee...e	:	Disk array name
ff	:	Sense Key defined in SCSI specification
gg	:	Additional Sense Code defined in SCSI specification
hh	:	Additional Sense Code Qualifier defined in SCSI specification

[Measures]   Check whether the configuration of disk array has been changed.

iSM10305: command: *\<aaa...a\>*, *\<bbb...b\>*, status=failed (ec=*\<ccc...c\>*)

[Classification]   INFO

[Explanation]   It indicates that it failed in accessing the disk array (failure except for SCSI protocol).

aaa...a	:	Command name
bbb...b	:	Disk array name
ccc...c	:	Error code

[Measures]   Check whether the configuration of disk array has been changed.

222

iSM10306: command: *<aaa...a>*, volume=*<bbbb>*h *<ccc...c>*, status=failed (ec=*<ddd...d>*)

[Classification]   INFO

[Explanation]   It indicates that it failed in accessing the volume expressed in volume number
(failure except for SCSI protocol).

aaa...a	:	Command name
bbbb	:	Logical disk number
ccc...c	:	Disk array name
ddd...d	:	Error code

[Measures]   Check whether the configuration of disk array has been changed.

iSM10307: command: *<aaa...a>*, *<bbb...b>*=*<ccc...c>*(*<dddd>*h) *<eee...e>*, status=failed(ec=*<fff...f>*)

[Classification]   INFO

[Explanation]   It indicates that it failed in accessing the volume expressed in logical disk name
(failure except for SCSI protocol).

aaa...a	:	Command name
bbb...b	:	Volume classification
ccc...c	:	Logical disk name
dddd	:	Logical disk number
eee...e	:	Disk array name
fff...f	:	Error code

[Measures]   Check whether the configuration of disk array has been changed.

223

iSM10308: command: *<aaa...a>*, mv=*<bbb...b>* (*<cccc>*h) *<ddd...d>*, rv=*<bbb...b>* (*<cccc>*h) *<ddd...d>*, status=failed (*<ee>*h/*<ff>*h/*<gg>*h)

[Classification]   INFO

[Explanation]   It indicates that it failed in accessing the pair expressed in MV or RV (failure of SCSI protocol).

aaa...a	:	Command name
bbb...b	:	Logical disk name
cccc	:	Logical disk number
ddd...d	:	Disk array name
ee	:	Sense Key defined in SCSI specification
ff	:	Additional Sense Code defined in SCSI specification
gg	:	Additional Sense Code Qualifier defined in SCSI specification

[Measures]   Check whether the configuration of disk array has been changed.

iSM10309: command: *<aaa...a>*, mv=*<bbb...b>* (*<cccc>*h) *<ddd...d>*, rv=*<bbb...b>* (*<cccc>*h) *<ddd...d>*, status=failed (ec=*<eee...e>*)

[Classification]   INFO

[Explanation]   It indicates that it failed in accessing the pair expressed in MV or RV (failure except for SCSI protocol).

aaa...a	:	Command name
bbb...b	:	Logical disk name
cccc	:	Logical disk number
ddd...d	:	Disk array name
eee...e	:	Error code

[Measures]   Check whether the configuration of disk array has been changed.

224

iSM10310: command: *<aaa...a>*, *<bbb...b>*= *<ccc...c>* (*<dddd>*h) *<eee...e>*

[Classification]   NOTICE

[Explanation]   It indicates that setting operation to volume expressed in logical disk name has
been executed.

    aaa...a   : Command name

    bbb...b   : Volume classification

    ccc...c   : Logical disk name

    dddd   : Logical disk number

    eee...e   : Disk array name

As for command name, refer to the "Data Replication User's Manual (Function
Guide)".

[Measures]   Unnecessary

iSM10311: command: *<aaa...a>*, *<bbb...b>*

[Classification]   NOTICE

[Explanation]   It indicates that setting operation to disk array has been executed.

    aaa...a   : Command name

    bbb...b   : Disk array name

As for command name, refer to the "Data Replication User's Manual (Function
Guide)".

[Measures]   Unnecessary

225

iSM10312: command: *<aaa...a>*, mv=*<bbb...b>* (*<cccc>*h) *<ddd...d>*, rv=*<bbb...b>* (*<cccc>*h) *<ddd...d>*

[Classification]   NOTICE

[Explanation]   It indicates that setting operation to the pair expressed in MV or RV has been
                     executed.

aaa...a	:	Command name
bbb...b	:	Logical disk name
cccc	:	Logical disk number
ddd...d	:	Disk array name

As for command name, refer to the "Data Replication User's Manual (Function
Guide)".

[Measures]   Unnecessary

iSM10313: Replication state of diskarray was changed: *<aaa...a>*, Replication Subsystem State = *<bbb...b>*, Back Ground Copy Level = *<c>* [, several states changed.]

[Classification]   NOTICE

[Explanation]   It indicates that the state change of disk array replication (freeze/defreeze) was
                     detected.
                     If two or more state transitions occurred within a polling interval and the midway
                     states could not be identified, "several states changed" is output to indicate that
                     multiple state transitions occurred.

aaa...a	:	Disk array name
bbb...b	:	Disk array state
		freeze : Freeze
		defreeze : Defreeze
c	:	Background copy level (1, 2, 3 , 4, 5)
		1,2,3,4,5: Background copy level

[Measures]   Unnecessary

226

iSM10314: Logical Disks were paired: mv=<*aaa...a*>(<*bbbb*>h) <*ccc...c*> , rv=<*aaa...a*>(<*bbbb*>h) <*ccc...c*> [, several states changed.]

[Classification] NOTICE

[Explanation] It indicates that paired volumes were detected.

If two or more state transitions occurred within a polling interval and the midway states could not be identified, "several states changed" is output to indicate that multiple state transitions occurred.

aaa...a   : Logical disk name

bbbb   : Logical disk number

ccc...c   : Disk array name

[Measures] Unnecessary

iSM10315: Logical Disks were unpaired: mv=<*aaa...a*>(<*bbbb*>h) <*ccc...c*> , rv=<*aaa...a*>(<*bbbb*>h) <*ccc...c*> [, several states changed.]

[Classification] NOTICE

[Explanation] It indicates that unpairing of paired volumes was detected.

If two or more state transitions occurred within a polling interval and the midway states could not be identified, "several states changed" is output to indicate that multiple state transitions occurred.

aaa...a   : Logical disk name

bbbb   : Logical disk number

ccc...c   : Disk array name

[Measures] Unnecessary

227

iSM10316: Replication state of pair was changed: mv=<*aaa...a*>(<*bbbb*>h) <*ccc...c*>, Activity State=<*ddd...d*>, Sync State=<*eee...e*>, Copy Control State=<*fff...f*>, rv=<*aaa...a*> (<*bbbb*>h) <*ccc...c*>[, Activity State= <*ddd...d*>, Sync State=<*eee...e*>, Copy Control State=<*fff...f*>][,several states changed.]

[Classification]   NOTICE

[Explanation]   It indicates that change of replication state (Replicate/Restore/Separate, etc.) of paired volume was detected.

If two or more state transitions occurred within a polling interval and the midway states could not be identified, "several states changed" is output to indicate that multiple state transitions occurred.   Both MV and RV were changed and the two are under the same state, only one state is indicated for activity state, sync state, and copy control state.

aaa...a	:	Logical disk name	
bbbb	:	Volume number	
ccc...c	:	Disk array name	
ddd...d	:	Activity state	
		replicate	: Replicate
		separate	: Separate
		restore	: Restore
		restore(protect)	: Restore with RV protection
eee...e	:	Sync state	
		rpl/exec	: Replicate Execution(rpl/exec)
		rpl/sync	: Sync State(rpl/sync)
		cancel	: Forced Separate(cancel)
		fault	: Failure Separation(fault)
		sep/exec	: Separate Execution(sep/exec)
		separated	: Separated(separated)
		rst/exec	: Restore Execution(rst/exec)
		rst/sync	: Sync State(rst/sync)

228

fff...f	: Copy control state	
	normal suspend	: Copy suspending
	abnormal suspend	: Copy fault suspending
	background copy	: Background copy
	foreground(sync)	: Foreground copy (synchronous)
	foreground(semi)	: Foreground copy (semi-synchronous)
	Invalid	: Invalid

[Measures]　　　　Unnecessary

iSM10317: command: *<aaa...a>*, LD=*<bbb...b>* (*<cccc>*h) *<ddd...d>*, mode=*<eee...e>*

[Classification]　　NOTICE

[Explanation]　　　It indicates that the command was executed.
　　　　　　　　　aaa...a　　　: Command name
　　　　　　　　　bbb...b　　　: Logical disk name
　　　　　　　　　cccc　　　　: Logical disk number
　　　　　　　　　ddd...d　　　: Disk array name
　　　　　　　　　eee...e　　　: Mode
　　　　　　　　　　　　for aaa...a = mode change:
　　　　　　　　　　　　　　eee...e = <R/W Permit | Read Only | Not Ready >
　　　　　　　　　　　　for aaa...a = set restriction:
　　　　　　　　　　　　　　eee...e = <Available | Not Ready | Not Available >
　　　　　　　　　　　　for aaa...a = set state of rv data:
　　　　　　　　　　　　　　eee...e = <Valid | Invalid>

[Measures]　　　　Unnecessary

229

iSM10318: Replication state of Logical Disk was changed: LD=<*aaa...a*>(<*bbbb*>h) <*ccc...c*>, Restriction=<*ddd...d*> [,several states changed.]

[Classification] NOTICE

[Explanation] It indicates that change of logical disk status was detected.   If two or more state transitions occurred within a polling interval and the midway states could not be identified, "several states changed" is output to indicate that multiple state transitions occurred.

aaa...a : Logical disk name
bbbb : Logical disk number
ccc...c : Disk array name
ddd...d : RV access restriction
< R/W Permit | Read Only | Not Ready | Not Available >

[Measures] Unnecessary

iSM10320: sys error: cmd sc=<*aaa*>h ec=<*bbb...b*>h

[Classification] ERROR

[Explanation] It indicates that it failed in system call when access to disk array was processed.

aaa : Code indicating location of error
bbb...b : Error code

[Measures] Check whether abnormalities (such as insufficient memory) have occurred in the operation environment of iSM server machine and restart the iSM server.

230

iSM10321: command: *<aaa...a>*, ATgroup=*<bbb...b>* *<ccc...c>* [, classification=*<ddd...d>*][, New ATgroup Name=*<eee...e>*][, Mode=*<fff...f>*, Copy Mode=*<ggg...g>*][, Restriction=*<hhh...h>*]

[Classification]   NOTICE

[Explanation]   It indicates that a command related to AT-group was executed.

aaa...a	:	Name of the executed command	
		create ATgroup	:	AT-group creation
		delete ATgroup	:	AT-group deletion
		change ATgroup name	:	AT-group rename
		change ATgroup attribute:		Change AT-group attribute
		ATgroup replicate	:	AT-group replicate
		ATgroup separate	:	AT-group separate
		ATgroup restore	:	AT-group restore
		ATgroup forced delete	:	AT-group forced deletion
		change ATgroup state	:	Using RV after failure separation

bbb...b   :   AT-group (concentrator) name

ccc...c   :   Disk array name

ddd...d   :   AT-group type

concentrator	:	Concentrator
distributor	:	Distributor
both	:	Both

eee...e   :   New AT-group (concentrator) name

fff...f   :   Atomic-break mode

MV Access Continue	:	MV access continue (auto separate) mode
MV Access Stop	:	MV access stop (manual separate) mode
Invalid	:	Invalid

ggg...g   :   Copy mode

synchronous copy	:	Foreground copy (synchronous)
semi synchronous copy	:	Foreground copy (semi-synchronous)
background copy	:	Background copy

231

232

hhh...h   : RV access restriction

                                               <R/W Permit | Read Only>

[Measures]   Unnecessary

iSM10322: command: <*aaa...a*>, ATgroup=<*bbb...b*> <*ccc...c*>, LD=<*ddd...d*>(<*eeee*>h)

[Classification]   NOTICE

[Explanation]   It indicates that a command related to AT-group was executed.

aaa...a	:	Name of the executed command		
		enter volume for group	:	Add volume (pair) into AT-group.
		remove volume from group	:	Delete volume (pair) from AT-group
bbb...b	:	AT-group (concentrator) name		
ccc...c	:	Disk array name		
ddd...d	:	Logical disk name		
eeee	:	Logical disk number		

[Measures]   Unnecessary

232

iSM10323: ATgroup created: ATgroup=<*aaa...a*> <*bbb...b*>, classification=<*ccc...c*>, Mode=<*ddd...d*>, Copy Mode=<*eee...e*>, ATgroup State =<*fff...f*>, Sync State=<*ggg...g*>, Volume Number=<*hhhh*>[, several states changed.]

[Classification]   NOTICE

[Explanation]   It indicates that an AT-group has been newly created.

aaa...a	:	AT-group (concentrator) name
bbb...b	:	Disk array name
ccc...c	:	AT-group type
concentrator	:	Concentrator
distributor	:	Distributor
ddd...d	:	Atomic-break mode
MV Access Continue	:	MV access continue (auto separate) mode
MV Access Stop	:	MV access stop (manual separate) mode
Invalid	:	Invalid
eee...e	:	Copy mode
synchronous copy	:	Foreground copy (synchronous)
semi synchronous copy	:	Foreground copy (semi-synchronous)
background copy	:	Background copy
fff...f	:	AT-group consistency state
Non-atomic	:	Non-atomic state
Atomic	:	Atomic state
Invalid	:	Invalid
ggg...g	:	AT-group sync state
Sep/start	:	Separate start state
Sep/exec	:	Separate execution state
Fault	:	Failure separation state
Separated	:	Separated state
Rpl/start	:	Replicate start state
Rpl/exec	:	Replicate execution state
Rpl/sync	:	Replicate synchronous

233

<div style="text-align:center">

	Rst/suspend	:	Restore suspend state
	Invalid	:	Invalid
hhhh	: Number of the registered volumes		

</div>

[Measures]   Unnecessary

iSM10324: ATgroup deleted: ATgroup=<*aaa...a*> <*bbb...b*>, classification=<*ccc...c*>

[Classification]   NOTICE

[Explanation]   It indicates that an AT-group has been deleted.

aaa...a	: AT-group (concentrator) name		
bbb...b	: Disk array name		
ccc...c	: AT-group type		
	concentrator	:	Concentrator
	distributor	:	Distributor

[Measures]   Unnecessary

234

iSM10325: Replication state of ATgroup was changed: ATgroup=<*aaa...a*> <*bbb...b*>, classification=<*ccc...c*>[, New ATgroup Name =<*ddd...d*>], Mode=<*eee...e*>, Copy Mode=<*fff...f*>, ATgroup State=<*ggg...g*>, Sync State=<*hhh...h*>, Volume number=<*iiii*>[, several states changed.]

[Classification]   NOTICE

[Explanation]   It indicates that the state of an AT-group has been changed. If two or more state transitions occurred within a polling interval and the midway states could not be identified, "several states changed" is output to indicate that multiple state transitions occurred.

aaa...a	:	AT-group (concentrator) name	
bbb...b	:	Disk array name	
ccc...c	:	AT-group type	
		concentrator	: Concentrator
		distributor	: Distributor
ddd...d	:	New AT-group (concentrator) name	
eee...e	:	Atomic-break mode	
		MV Access Continue	: MV access continue (auto separate) mode
		MV Access Stop	: MV access stop (manual separate) mode
		Invalid	: Invalid
fff...f	:	Copy mode	
		synchronous copy	: Foreground copy (synchronous)
		semi synchronous copy	: Foreground copy (semi-synchronous)
		background copy	: Background copy
ggg...g	:	AT-group consistency state	
		Non-atomic	: Non-atomic state
		Atomic	: Atomic state
		Invalid	: Invalid
hhh...h	:	AT-group sync state	
		Sep/start	: Separate start state

235

Separated	:	Separated state
Rpl/start	:	Replicate start state
Rpl/exec	:	Replicate execution state
Rpl/sync	:	Replicate synchronous
Rpl/suspend	:	Replicate suspend state
Rst/exec	:	Restore execution state
Rst/suspend	:	Restore suspend state
Invalid	:	Invalid

iiii　　　　：　Number of the registered volumes

[Measures]　　Unnecessary

iSM10330: inconsistency of product revision of diskarray: mv=<*aaa...a*>, rv=<*aaa...a*>

[Classification]　NOTICE

[Explanation]　There is a functionally unacceptable difference in the product revisions between the disk arrays of MV and RV.　It indicates that the process has been aborted because replicate and restore will result in the inconsistency of the signatures on the disks.

aaa...a　　　：　Disk array name

[Measures]　　Check the product revision of the disk array at the RV side, change it to the same product revision as that of disk array at the MV side, then execute again.

236

iSM10331: command: *<aaa...a>*, ATgroup(concentrator)=*<bbbb>*h *<ccc...c>* [*<ddd...d>*], status=failed(*<ee>*h/*<ff>*h/*<gg>*h)

[Classification]   INFO

[Explanation]   It indicates that access to the concentrator indicated by the concentrator number failed (SCSI protocol failure).

aaa...a	:	Command name
bbbb	:	AT-group (concentrator) number
ccc...c	:	Disk array name of AT-group (concentrator)
ddd...d	:	Disk array name of AT-group (distributor) (Output if fixed)
ee	:	Sense key defined according to SCSI specification
ff	:	Additional sense code defined according to SCSI specification
gg	:	Additional sense code qualifier defined according to SCSI specification

[Measures]   Check whether the disk array configuration is changed.

237

iSM10332: command: *<aaa...a>*, ATgroup(distributor)=*<bbbb>*h *<ccc...c>* [*<ddd...d>*], status=failed(*<ee>*h/*<ff>*h/*<gg>*h)

[Classification]   INFO

[Explanation]   It indicates that access to the distributor indicated by the distributor number failed (SCSI protocol failure).

aaa...a	:	Command name
bbbb	:	AT-group (distributor) number
ccc...c	:	Disk array name of AT-group (distributor)
ddd...d	:	Disk array name of AT-group (concentrator)
ee	:	Sense key defined according to SCSI specification
ff	:	Additional sense code defined according to SCSI specification
gg	:	Additional sense code qualifier defined according to SCSI specification

[Measures]   Check whether the disk array configuration is changed.

iSM10333: command: <aaa...a>, ATgroup(concentrator)=*<bbbb>*h *<ccc...c>* [*<ddd...d>*], status=failed(ec=*<eee...e>*)

[Classification]   INFO

[Explanation]   It indicates that access to the concentrator indicated by the concentrator number failed (failure except for SCSI protocol).

aaa...a	:	Command name
bbbb	:	AT-group (concentrator) number
ccc...c	:	Disk array name of AT-group (concentrator)
ddd...d	:	Disk array name of AT-group (distributor) (Output if fixed)
eee...e	:	Error code indicating the type of abnormal state

[Measures]   Check whether the disk array configuration is changed.

238

iSM10334: command: *<aaa...a>*, ATgroup(distributor)=*<bbbb>*h *<ccc...c>* [*<ddd...d>*], status=failed(ec=*<eee...e>*)

[Classification]   INFO

[Explanation]   It indicates that access to the distributor indicated by the distributor number

failed (failure except for SCSI protocol).

aaa...a	:	Command name
bbbb	:	AT-group (distributor) number
ccc...c	:	Disk array name of AT-group (distributor)
ddd...d	:	Disk array name of AT-group (concentrator)
eee...e	:	Error code indicating the type of abnormal state

[Measures]   Check whether the disk array configuration is changed.

iSM10400: copy error:mv=*<aaa...a>*(*<bbbb>*h) *<ccc...c>*, rv=*<aaa...a>*(*<bbbb>*h) *<ccc...c>*, status=*<ddd...d>*h [,ATgroup=*<eee...e>*][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates information of volume in which copy fault occurred.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Logical disk name
bbbb	:	Logical disk number
ccc...c	:	Disk array name
ddd...d	:	Error code (4: fault separation, 9: abnormal suspend)
eee...e	:	AT-group (concentrator) name

[Measures]   After remove cause of an error, restore the system with reference to description

about replication-specific HW fault in the "Data Replication User's Manual

(Installation and Operation Guide for Windows)".

239

iSM10401: copy error:mv=<*aaa...a*>(<*bbbb*>h) <*ccc...c*>, rv=<*aaa...a*>(<*bbbb*>h) <*ccc...c*>, status=<*ddd...d*>h [,ATgroup=<*eee...e*>] [UC=<*fff...f* FC=<*gg*>][_ALERT_]

[Classification]　ERROR

[Explanation]　It indicates the information of volume in which copy fault occurred.

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a	:	Logical disk name
bbbb	:	Logical disk number
ccc...c	:	Disk array name
ddd...d	:	Error code (4: fault separation, 9: abnormal suspend)
eee...e	:	AT-group (concentrator) name
fff...f/gg	:	Maintenance information

[Measures]　After remove cause of an error, restore the system with reference to description about replication-specific HW fault in the "Data Replication User's Manual (Installation and Operation Guide for Windows)".

240

iSM10402: link error:Disk Array=<*aaa...a*>, linkno=<*bbb...b*>, portno=<*ccc...c*>, state=<*ddd...d*>h

[Classification]   WARNING

[Explanation]   It indicates that a fault, freeze, or checking state has occurred in the link between disk arrays.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbb...b	:	Link number of RemoteDataReplication
ccc...c	:	Port number for link of RemoteDataReplication
ddd...d	:	Error code

　　　　　2: Fault (link fault)

　　　　　3: Freeze (The disk array to be connected to is in stop or freeze state.)

　　　　　4: Checking (Temporary link communication fault has been detected.)

　　　　　*If the checking state continues, it changes to the fault state.

[Measures]   After remove cause of an error, restore the system with reference to description about replication-specific HW fault in the "Data Replication User's Manual (Installation and Operation Guide for Windows)".

241

iSM10403: Disk array info (*<aaa...a>* S/N=*<bbb...b>* Product-ID=*<ccc...c>*) [UC=*<ddd...d>* FC=*<ee>*][_ALERT_]

[Classification]   ERROR

[Explanation]   It indicates additional information of disk array in which copy fault occurred.

For the pair composed by RemoteDataReplication, additional information of disk array of each of MV and RV is output.

For Windows, this message is target of ESMPRO Manager Report, and also to be target of ALIVE/Express Report via ESMPRO.

aaa...a   : Disk array name

bbb...b   : Serial number of disk array (16 characters)

ccc...c   : Product ID of disk array (S2100 Disk Array etc)

ddd...d/ee   : Maintenance information

[Measures]   After remove cause of an error, restore the system with reference to description about replication-specific HW fault in the "Data Replication User's Manual (Installation and Operation Guide for Windows)".

iSM10410: comm error:report sc=*<aaa>*h, ec=*<bbb...b>*h

[Classification]   NOTICE

[Explanation]   It indicates that telegram reception from iSM server failed.

aaa   : Code indicating location of error

bbb...b   : Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server.

242

iSM10411: comm error:report event type=<*aaaaaaaa*>h, ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed in receiving telegram from iSM server.

    aaaaaaaa   : Telegram code which indicates the telegram that occurred abnormality

    bbb...b   : Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server.

iSM10420: comm error:report sc=<*aaa*>h, ec=<*bbb...b*>h

[Classification]   NOTICE

[Explanation]   It indicates that it failed in sending telegram to iSM server.

    aaa   : Code indicating location of error

    bbb...b   : Error code

[Measures]   Check whether abnormalities have occurred in the configuring process on the iSM server.

iSM10430: sys error:report sc=<*aaa*>h, ec=<*bbb...b*>h

[Classification]   ERROR

[Explanation]   It indicates that it failed in system call when a trouble report to iSM client.

    aaa   : Code indicating location of error

    bbb...b   : Error code

[Measures]   Check whether abnormalities (such as insufficient memory) have occurred in the operation environment of iSM server machine and restart the iSM server.

243

iSM10440:　func error:report sc=<*aaa*>h, ec=<*bbb...b*>h

[Classification]　　NOTICE

[Explanation]　　It indicates that it failed in the transmission of trouble report to iSM client.

aaa　　　　　:　Code indicating location of error

bbb...b　　　:　Error code

[Measures]　　Check whether abnormalities have occurred in the configuring process on the iSM server.

iSM10501:　command option error:option=<*aaaaaa*>, status=<*bbb...b*>

[Classification]　　ERROR

[Explanation]　　It indicates that trouble occurred in the specified option.

aaaaaa　　　:　Option

　　　　　　　　<array | format | file | atg | csv>

bbb...b　　　:　Detail status

[Measures]　　Check the option specification and re-execute.

iSM10502:　command not execute:status=<*aaa...a*>

[Classification]　　ERROR

[Explanation]　　It indicates that the command execution environment was not prepared.

aaa...a　　　:　Execution environment status

[Measures]　　Check the command execution environment and re-execute.

iSM10503: array state error:status=<*aaa...a*>

[Classification]   ERROR

[Explanation]   It indicates that it failed to refer to information due to the device status.

aaa...a   : Device status

[Measures]   Check the device status and re-execute.

iSM10504: acquire information error:status=<*a*>

[Classification]   ERROR

[Explanation]   It indicates that it failed to obtain information.

a   : Detail code

[Measures]   Check the system resource and re-execute.

iSM10505: data output file error:action=<*aaaaa*>, status=<*bbb...b*>

[Classification]   ERROR

[Explanation]   It indicates that it failed to output information in a file.

aaaaa   : Execution process

<open | write>

bbb...b   : Detail status

[Measures]   Check whether the directory exists and authority to write is given, and
re-execute.

245

iSM10900: Process is busy when it terminates emergency. Unexpected error message maybe generated.

[Classification]　WARNING

[Explanation]　It indicates that the replication management received a request for emergency stop, but could not terminate the process immediately.

[Measures]　Unnecessary

iSM11000 ~

iSM11100: Command completed successfully.

[Classification]   INFO

[Explanation]   Command execution succeeded.

[Measures]   Unnecessary

iSM11101: Setup of the Disk Array Subsystem is done according to specified parameter. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Setting of the disk array is executed according to the specified parameter.

aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11102: Specified Disk Array Subsystem is not monitored. (fault,maintenance)

[Classification]   INFO

[Explanation]   Specified disk array is not being monitored (fault, maintenance).

[Measures]   Execute again after fault recovery or after completion of maintenance work.

247

iSM11103: Specified Disk Array Subsystem is monitored by iSM. (Under processing to stop monitoring..)

[Classification]   INFO

[Explanation]   Specified disk array is being monitored by iSM server though monitoring stop process is being executed.

[Measures]   Stop monitoring disk array and execute it again.

iSM11104: Disk Array Subsystem '<*aaa...a*>' was selected.

[Classification]   INFO

[Explanation]   The Disk Array "aaa...a" has been selected.
aaa...a   : Disk array name

[Measures]   Unnecessary

iSM11105: Specified Disk Array Subsystem is set by another maintenance tool.

[Classification]   INFO

[Explanation]   Specified disk array is set by another maintenance tool.

[Measures]   Execute it again after the termination of maintenance operation with another maintenance tool.

248

iSM11106: The start of the configuration operation was notified to Disk Array Subsystem.

[Classification]   INFO

[Explanation]   Start of configuration operation was notified to the disk array.

[Measures]   Unnecessary

iSM11107: The end of the configuration operation was notified to Disk Array Subsystem.

[Classification]   INFO

[Explanation]   The end of configuration operation was notified to a disk array.

[Measures]   Unnecessary

iSM11108: *<aaa...a>* was started.

[Classification]   INFO

[Explanation]   aaa...a (iSMconf,iSMautobind) was started.

                 aaa...a   :   Program name

[Measures]   Unnecessary

249

iSM11109: *\<aaa...a\>* was terminated.

[Classification]   INFO

[Explanation]   aaa...a (iSMconf,iSMautobind) was terminated.

aaa...a   :   Program name

[Measures]   Unnecessary

iSM11110: Command completed abnormally.

[Classification]   INFO

[Explanation]   With "All information" option selected, failed in obtaining (a part of)

information about disk array.

[Measures]   Check the status of the disk array.

iSM11151: Failed to get information or set configuration. (*\<aaa...a\>*)

[Classification]   INFO

[Explanation]   It failed in getting information or in setting configuration of the disk array.

aaa...a   :   Additional information

[Measures]   Check whether the disk array is a monitoring object of iSM.

iSM11152: Failed to output Log Message.

[Classification]   INFO

[Explanation]   It failed in outputting log message.

[Measures]   Check whether iSMsvr has been started.

250

iSM11153: Cannot establish the communication path.

[Classification]   INFO

[Explanation]   Communication pass cannot be established.

[Measures]   Check whether iSMsvr has started.

iSM11154: Failed to request notification for start of <*aaa...a*>.

[Classification]   INFO

[Explanation]   It failed in notifying the request for start of aaa...a.

aaa...a   : Program name

[Measures]   Check whether iSMsvr has started.

iSM11155: Failed to request notification for termination of <*aaa...a*>.

[Classification]   INFO

[Explanation]   It failed in notifying the request for end of aaa...a.

aaa...a   : Program name

[Measures]   Check whether iSMsvr has started.

iSM11161: Failed to get Disk Array Subsystem list.

[Classification]   INFO

[Explanation]   It failed in getting the disk array list.

[Measures]   Check whether iSMsvr has started.

251

iSM11162: Disk Array Subsystem which can be operated by this program is not found.

[Classification]   INFO

[Explanation]   No such disk array as is an object of support of iSM can be found.

[Measures]   Terminate the program.   Check that the iSM server covers the disk array as monitoring target, and also check the environmental definition of the iSM server and the connection with the disk array.   For more information, refer to Part III "Operations" in the "User's Manual".

iSM11163: Specified Disk Array Subsystem is not found.

[Classification]   INFO

[Explanation]   The specified disk array cannot be found.

[Measures]   Terminate the program.   Check that the iSM server covers the disk array as monitoring target, and also check the environmental definition of the iSM server and the connection with the disk array.   For more information, refer to Part III "Operations" in the "User's Manual".

iSM11164: Specified Disk Array Subsystem is not supported.

[Classification]   INFO

[Explanation]   The specified disk array is not supported.

[Measures]   Check whether Disk array name is correct and that the specified disk array is the object disk array.

252

iSM11171: PD group doesn't exist.

[Classification]   INFO

[Explanation]   PD group does not exist.

[Measures]   Check the status of the disk array.

iSM11172: RANK doesn't exist.

[Classification]   INFO

[Explanation]   RANK does not exist

[Measures]   Check the status of the disk array.

iSM11173: LD doesn't exist.

[Classification]   INFO

[Explanation]   LD does not exist.

[Measures]   Check the status of the disk array.

iSM11174: PD doesn't exist.

[Classification]   INFO

[Explanation]   PD does not exist.

[Measures]   Check the status of the disk array.

253

iSM11175: PORT doesn't exist.

[Classification]   INFO

[Explanation]   PORT does not exist.

[Measures]   Check the status of the disk array.

iSM11176: Permitted PORT for LD doesn't exist.

[Classification]   INFO

[Explanation]   Port with access permission (to LD) does not exist.

[Measures]   Check the status of the disk array.

iSM11178: LD Set doesn't exist.

[Classification]   INFO

[Explanation]   There is no LD Set.

[Measures]   Check the status of the disk array.

iSM11179: LD Set doesn't match.

[Classification]   INFO

[Explanation]   LD Set does not match.

[Measures]   Check the status of the disk array.

254

iSM11180: Specified option is not supported by specified disk array subsystem.

[Classification]   INFO

[Explanation]   The specified option is not supported by the specified disk array.

[Measures]   Specify a disk array which supports the information of the specified option.

iSM11182: Pool doesn't exist.

[Classification]   INFO

[Explanation]   Pool does not exist.

[Measures]   Check the state of the disk array.

iSM11183: Snapshot Pool doesn't exist.

[Classification]   INFO

[Explanation]   Pool does not exist.

[Measures]   Check the state of the disk array.

iSM11184: Snapshot LD doesn't exist.

[Classification]   INFO

[Explanation]   LD does not exist.

[Measures]   Check the state of the disk array.

iSM11220: Port #<*aa*>h-<*bb*>h was selected.

[Classification]   INFO

[Explanation]   Port aa-bb was selected.

                      aa-bb   : Port number

[Measures]   Unnecessary

iSM11221: View Host Permit List was selected.

[Classification]   INFO

[Explanation]   View host permit list was selected.

[Measures]   Unnecessary

iSM11222: View LD Assign List was selected.

[Classification]   INFO

[Explanation]   View LD assign list was selected.

[Measures]   Unnecessary

iSM11230: Access Control is not supported.

[Classification]   INFO

[Explanation]   Access control is not being supported.

[Measures]   Check the status of the disk array.

256

iSM11231: Port configuration is required.

[Classification]   INFO

[Explanation]   Port configuration is needed.

[Measures]   Execute it after selecting the port.

iSM11232: Cannot set Access Control function. Cross call function should be working for using Access Control function. It is set up from the main menu.

[Classification]   INFO

[Explanation]   Access Control function cannot be set. Cross Call function must work when using Access Control function. Cross Call function is set from main menu.

[Measures]   Set the Cross Call function from main menu.

iSM11233: Not Port Extended Mode.

[Classification]   INFO

[Explanation]   It is not the port extended mode.

[Measures]   Unnecessary

257

iSM11234: Corresponding LD is not found.

[Classification]   INFO

[Explanation]   Corresponding LD cannot be found.

[Measures]   Check the status of the disk array.

iSM11235: Effective LD without being in List.

[Classification]   INFO

[Explanation]   A nonexistent logical disk was specified.

[Measures]   Specify a logical disk that exists.

iSM11236: Setting over this ineffective.

[Classification]   INFO

[Explanation]   Setting is invalid because the allowed number of assigned logical disks was exceeded.

[Measures]   Reduce the number of assigned logical disks, and then retry command execution.

iSM11237: Selected port is not supported because protocol is difference.

[Classification]   INFO

[Explanation]   This program does not support selected port due to wrong protocol.

[Measures]   Select a port that is supported by this program.

258

iSM11240: PDG #<*aa*>h was selected.

[Classification]   INFO

[Explanation]   PDG aa was selected.

  aa   : PDG number

[Measures]   Unnecessary

iSM11241: Cannot set up LD, because number of PD is not sufficient.

[Classification]   INFO

[Explanation]   LD cannot be set because the number of PD is insufficient.

[Measures]   Check the status of the disk array.

iSM11242: All settings are cleared.

[Classification]   INFO

[Explanation]   All settings are cleared.

[Measures]   Unnecessary

iSM11250: Cannot execute Autobind, because LD has already been bound.

[Classification]   INFO

[Explanation]   Autobind cannot be executed, because LD has already been bound.

[Measures]   Please obey the instruction in the following message and go on the operation.

259

iSM11251: Failed to open a file.

[Classification] INFO

[Explanation] It failed in opening a file.

[Measures] Check the content of the file.

iSM11252: Succeeded in loading a file.

[Classification] INFO

[Explanation] It succeeded in loading a file.

[Measures] Unnecessary

iSM11253: Illegal file parameter.

[Classification] INFO

[Explanation] File parameter is invalid.

[Measures] Check the content of the file.

iSM11255: Cannot bind LD by specified parameter.

[Classification] INFO

[Explanation] LD cannot be bound by the specified parameter.

[Measures] Check the status of the disk array.

260

iSM11257: Succeeded in saving a file.

[Classification]   INFO

[Explanation]   It succeeded in saving a file.

[Measures]   Unnecessary

iSM11258: Failed to save a file.

[Classification]   INFO

[Explanation]   It failed in saving a file.

[Measures]   Check whether the specification of the file name and the save destination are
correct.

iSM11300: This program configures Disk Array Subsystem.

[Classification]   INFO

[Explanation]   This program configures disk array.

[Measures]   Unnecessary

261

iSM11305: IMPORTANT NOTICE: Stop IO access to this Disk Array Subsystem from the host before executing this command which has parameter of "all" or "High Reliability Mode : off". Otherwise the data in LD may be destroyed.

[Classification]   INFO

[Explanation]   IMPORTANT NOTICE: Stop accessing to this disk array from the host before executing this command which has the parameter of [all] or [High Reliability Mode:off].   Otherwise, the data in LD may be invalid.

[Measures]   Unnecessary

iSM11306: ATTENTION: Specified F/W is older than Disk Array Subsystem's F/W.

[Classification]   INFO

[Explanation]   Attention: Specified F/W is older than F/W of the disk array.

[Measures]   Check whether F/W file revision is correct.

iSM11307: ATTENTION: Data in RANK will be deleted.

[Classification]   INFO

[Explanation]   Attention: Data in RANK will be deleted.

[Measures]   Unnecessary

262

iSM11308: ATTENTION: PD Recovery History data will be deleted.

[Classification]   INFO

[Explanation]   Attention: PD Recovery History data will be deleted.

[Measures]   Unnecessary

iSM11309: ATTENTION: Internal Log data will be deleted.

[Classification]   INFO

[Explanation]   ATTENTION: Internal Log data will be deleted.

[Measures]   Unnecessary

iSM11310: ATTENTION: Media Error List data will be deleted.

[Classification]   INFO

[Explanation]   Attention: Media Error List data will be deleted.

[Measures]   Unnecessary

iSM11311: ATTENTION: Need to reboot the OS to enable the setting.

[Classification]   INFO

[Explanation]   Attention: Rebooting the operation system is needed to enable the setting.

[Measures]   Unnecessary

263

iSM11320: LD capacity which is bound will be <*aa*> MB.

[Classification]　INFO

[Explanation]　LD capacity which is bound will become aa MB.

　　　　　　　　aa　　　　　:　LD capacity

[Measures]　Unnecessary

iSM11321: System space of 2MB is added to LD, and LD is bound.

[Classification]　INFO

[Explanation]　System space of 2MB is added to LD, and LD is bound.

[Measures]　Unnecessary

iSM11322: The address which can be specified is "<*aaaa*>h" or "<*bbbb*>h".

[Classification]　INFO

[Explanation]　The address which can be specified is aaaa or bbbb.

　　　　　　　　aaaa/bbbb　:　Address which can be specified

[Measures]　Unnecessary

264

iSM11323:　Cannot bind LD by specified RANK. (unsupported RAID type/unsupported stripe size)

[Classification]　INFO

[Explanation]　LD cannot be bound in the specified RANK (unsupported RAID type/unsupported stripe size).

[Measures]　Check the status of RANK.

iSM11330:　Failed to get Disk Array Subsystem information.

[Classification]　INFO

[Explanation]　It failed in getting the information of disk array.

[Measures]　Check the status of the disk array.

iSM11340:　Now downloading. Please wait a minute.

[Classification]　INFO

[Explanation]　Now downloading. Wait a minute.

[Measures]　Unnecessary

iSM11360:　Specified resource is not found.

[Classification]　INFO

[Explanation]　Specified resource cannot be found.

[Measures]　Check the status of the disk array.

265

iSM11361: Specified LD is not found.

[Classification]   INFO

[Explanation]   Specified LD cannot be found.

[Measures]   Check the status of the disk array.

iSM11362: Failed to bind RANK.

[Classification]   INFO

[Explanation]   It failed in binding RANK.

[Measures]   Check the status of the disk array.

iSM11363: Failed to bind some RANKs.

[Classification]   INFO

[Explanation]   It failed in binding some RANKs.

[Measures]   Check the status of the disk array.

iSM11364: Failed to bind Hot Spare.

[Classification]   INFO

[Explanation]   It failed in binding Hot Spare.

[Measures]   Check the status of the disk array.

iSM11365: Specified PD doesn't exist.

[Classification]   INFO

[Explanation]   Specified PD does not exist.

[Measures]   Check the status of the disk array.

iSM11366: Specified RANK doesn't exist.

[Classification]   INFO

[Explanation]   Specified RANK does not exist.

[Measures]   Check the status of the disk array.

iSM11367: Specified Hot Spare doesn't exist.

[Classification]   INFO

[Explanation]   Specified Hot spare does not exist.

[Measures]   Check the status of the disk array.

iSM11369: Specified F/W file is not conformable to the target Disk Array.

[Classification]   INFO

[Explanation]   Specified F/W file is not conformable to the object disk array.

[Measures]   Check whether F/W file is correct.

267

iSM11370: Failed to read F/W file.

[Classification]   INFO

[Explanation]   It failed in reading F/W file.

[Measures]   Check whether the path and name of specified F/W file is normal.

iSM11372: Disk Array Subsystem is not found.

[Classification]   INFO

[Explanation]   Disk array cannot be found.

[Measures]   Check whether it is the monitoring object of iSM.

iSM11373: Specified F/W file is not conformable to the target resource F/W.

[Classification]   INFO

[Explanation]   Specified F/W file is not conformable to the object resource.

[Measures]   Check whether F/W file is correct.

iSM11374: <a> RANKs were bound successfully. But some RANKs failed to bind.

[Classification]   INFO

[Explanation]   It succeeded to bind "a" number of RANKs, but it failed in binding some RANKs.

a   :   Number of RANKs that succeeded to bind.

[Measures]   Check the status of the disk array.

268

iSM11375: The directory may have been deleted or changed.   Please specify file name by absolute path.

[Classification]   INFO

[Explanation]   The directory may have been deleted or changed.   Specify the file name by absolute path.

[Measures]   Unnecessary

iSM11376: Cannot bind LD, because number of LD exceeds the range that can be specified.

[Classification]   INFO

[Explanation]   LD cannot be bound, because number of LDs exceeds the range that can be specified.

[Measures]   Input number of LD correctly.

iSM11377: Cannot bind LD, because LD number of LD exceeds the range that can be specified. Only <*aa*> LDs will be able to be bound.

[Classification]   INFO

[Explanation]   LD cannot be bound, because number of LDs exceeds the range that can be specified. Only aa LDs will be able to be bound.

aa   :   Number of LD which can be bound

[Measures]   Input number of LD correctly.

269

iSM11378: Not enough space to bind LD.

[Classification]   INFO

[Explanation]   Space to bind LD is insufficient.

[Measures]   Check the space of RANK.

iSM11379: Not enough space to bind LD. Only <*aa*> LDs be able to be bound.

[Classification]   INFO

[Explanation]   Space to bind LD is insufficient. Only aa number of LDs will be able to be bound.
　　　　　　　aa   : Number of LD which can be bound

[Measures]   Check the space of RANK.

iSM11380: Failed to allocate a memory space.

[Classification]   INFO

[Explanation]   It failed in allocating a memory space.

[Measures]   Check the status of the server.

iSM11381: Failed to bind LD.

[Classification]   INFO

[Explanation]   It failed in binding LD.

[Measures]   Check the status of RANK.

270

iSM11382: *<aa>* LDs was bound successfully. But some LDs failed to bind.

[Classification]   INFO

[Explanation]   It succeeded to bind aa number of LDs, but it failed in binding some LDs.

        aa   :   Number of LD which has already been bound

[Measures]   Check the status of RANK.

iSM11383: Succeeded in downloading of the following *<aaa...a>*. *<bbbb>*(hex) :*<cc, cc>*

[Classification]   INFO

[Explanation]   It succeeded in downloading of the following aaa...a

        aaa...a   :   Download resource name
        bbbb   :   Resource number
        cc, cc   :   Resource position

[Measures]   Unnecessary

iSM11384: Failed to download F/W of *<aaa...a>*.

[Classification]   INFO

[Explanation]   It failed in downloading aaa...a.

        aaa...a   :   Download resource name

[Measures]   Check whether F/W file is normal.

271

iSM11385: The following *<aaa...a>* didn't download.

[Classification] INFO

[Explanation] The following aaa...a was not downloaded.

aaa...a : Download resource name

[Measures] Check the status of the disk array and download only the unexecuted one.

iSM11402: Auto assignment was selected. (*<aaa...a>*)

[Classification] INFO

[Explanation] Auto assignment was selected.

aaa...a : Additional information

[Measures] Unnecessary

iSM11403: Subsystem time (specifying time) was selected.

[Classification] INFO

[Explanation] Subsystem time (specifying time) was selected.

[Measures] Unnecessary

iSM11404: Subsystem time (using os time) was selected.

[Classification] INFO

[Explanation] Subsystem time (using os time) was selected.

[Measures] Unnecessary

272

iSM11405: Cannot bind SPARE by specified parameter. (<*aaa...a*>)

[Classification] INFO

[Explanation] SPARE cannot be bound by specified parameter.
aaa...a : Additional information

[Measures] Check whether the input parameter is correct.

iSM11406: Cannot bind RANK by specified parameter. (<*aaa...a*>)

[Classification] INFO

[Explanation] RANK cannot be bound by specified parameter.
aaa...a : Additional information

[Measures] Check whether the input parameter is correct.

iSM11407: LD format time was selected.

[Classification] INFO

[Explanation] LD format time was selected.

[Measures] Unnecessary

iSM11408: RANK rebuilding was selected. (<*aaa...a*>)

[Classification] INFO

[Explanation] RANK rebuilding was selected.
aaa...a : Additional information

[Measures] Unnecessary

273

iSM11409: Cross call was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Cross call was selected.
aaa...a   : Additional information

[Measures]   Unnecessary

iSM11410: Subsystem control mode was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Subsystem control mode was selected.
aaa...a   : Additional information

[Measures]   Unnecessary

iSM11412: Expand lun was selected.(<aaa...a>)

[Classification]   INFO

[Explanation]   Expand LUN was selected.
aaa...a   : Additional information

[Measures]   Unnecessary

iSM11413: Illegal firmware file size.

[Classification]   INFO

[Explanation]   Firmware file size is incorrect.

[Measures]   Check whether the firmware file is correct.

274

iSM11414: Cannot open a firmware file.

[Classification]   INFO

[Explanation]   Firmware file cannot be opened.

[Measures]   Check whether the path and name of the firmware file is correct.

iSM11415: Illegal resource type was selected.

[Classification]   INFO

[Explanation]   Selected resource is incorrect.

[Measures]   Check whether the firmware file belongs to a target resource.

iSM11416: Firmware download was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Firmware download was selected.
                   aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11417: Target PD doesn't exist in specified Disk Array Subsystem.

[Classification]   INFO

[Explanation]   Object PD does not exist in specified disk array.

[Measures]   Check the status of the disk array.

275

iSM11419: Target Disk Array Subsystem specified by firmware file is not found.

[Classification]   INFO

[Explanation]   Object disk array specified by firmware file is not found.

[Measures]   Check whether the firmware file belongs to a target disk array.

iSM11420: Cannot bind some RANKs that was specified. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Some RANKs that was specified cannot be bound.
aaa...a   : Additional information

[Measures]   Check the status of the disk array.

iSM11421: Forced reduce rebuilding was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Forced reduce rebuilding was selected.
aaa...a   : Additional information

[Measures]   Unnecessary

iSM11422: Internal log init was selected.

[Classification]   INFO

[Explanation]   Internal log init was selected.

[Measures]   Unnecessary

276

iSM11423: Hot SPARE bind custom was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Hot spare bind custom was selected.
                 aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11424: Hot SPARE bind standard was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Hot spare bind standard was selected.
                 aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11425: Hot SPARE unbind was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Hot spare unbind was selected.
                 aaa...a   :   Additional information

[Measures]   Unnecessary

277

iSM11426: LD unbind was selected. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　LD unbind was selected.
　　　　　　　　aaa...a　　　：　Additional information

[Measures]　　Unnecessary

iSM11429: RANK is not found in specified PDG. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　RANK is not found in the specified PDG.
　　　　　　　　aaa...a　　　：　Additional information

[Measures]　　Check the status of the disk array.

iSM11431: Auto repair was selected. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　Auto repair was selected.
　　　　　　　　aaa...a　　　：　Additional information

[Measures]　　Unnecessary

iSM11438: Cannot execute with specified RANK capacity.

[Classification]　　INFO

[Explanation]　　It cannot be executed with specified RANK capacity.

[Measures]　　Check whether the input parameter is correct.

278

iSM11439: LD ownership was selected. (<*aaa...a*>)

[Classification] INFO

[Explanation] LD ownership was selected.

aaa...a : Additional information

[Measures] Unnecessary

iSM11440: Dynamic capacity expansion was selected. (<*aaa...a*>)

[Classification] INFO

[Explanation] Dynamic capacity expansion was selected.

aaa...a : Additional information

[Measures] Unnecessary

iSM11442: RANK bind custom was selected. (<*aaa...a*>)

[Classification] INFO

[Explanation] RANK bind custom was selected.

aaa...a : Additional information

[Measures] Unnecessary

279

iSM11443: RANK bind standard was selected. (*<aaa...a>*)

[Classification]   INFO

[Explanation]   RANK bind standard was selected.
aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11444: RANK unbind was selected. (*<aaa...a>*)

[Classification]   INFO

[Explanation]   RANK unbind was selected.
aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11455: Temp. sense interval was selected.

[Classification]   INFO

[Explanation]   Temp. sense interval was selected.

[Measures]   Unnecessary

iSM11486: Failed to execute the firmware download. (*<aaa...a>*)

[Classification]   INFO

[Explanation]   It failed in downloading the firmware.
aaa...a   :   Additional information

[Measures]   Check whether the F/W file is normal.

280

iSM11487: The resource that F/W is downloaded to may be not present. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   The resource of downloading destination may be not mounted.

                  aaa...a   :   Additional information

[Measures]   Check the status of the disk array.

iSM11501: LD information was selected.

[Classification]   INFO

[Explanation]   "LD information" was selected.

[Measures]   Unnecessary

iSM11502: LD No./Name information was selected.

[Classification]   INFO

[Explanation]   "LD Number./Name information" was selected.

[Measures]   Unnecessary

iSM11503: RANK information was selected.

[Classification]   INFO

[Explanation]   "RANK information" was selected.

[Measures]   Unnecessary

iSM11504: RANK/PD information was selected.

[Classification]   INFO

[Explanation]   "RANK/PD information" was selected.

[Measures]   Unnecessary

iSM11505: PD information was selected.

[Classification]   INFO

[Explanation]   "PD information" was selected.

[Measures]   Unnecessary

iSM11506: RANK map information was selected.

[Classification]   INFO

[Explanation]   "RANK map information" was selected.

[Measures]   Unnecessary

iSM11507: PD recovery history init. was selected.

[Classification]   INFO

[Explanation]   "PD recovery history report init." was selected.

[Measures]   Unnecessary

iSM11508: Media error list init. was selected.

[Classification] INFO

[Explanation] "Median error list init." was selected.

[Measures] Unnecessary

iSM11509: Subsystem view current setting was selected.

[Classification] INFO

[Explanation] "Subsystem view current setting" was selected.

[Measures] Unnecessary

iSM11510: Maintenance view current setting was selected.

[Classification] INFO

[Explanation] "Maintenance view current setting" was selected.

[Measures] Unnecessary

iSM11521: PD recovery history doesn't exist.

[Classification] INFO

[Explanation] "PD recovery history" does not exist.

[Measures] Unnecessary

283

iSM11522: Media error list doesn't exist.

[Classification]   INFO

[Explanation]   Media Error List does not exist.

[Measures]   Unnecessary

iSM11531: Disk Array Subsystem list information option was selected.

[Classification]   INFO

[Explanation]   "Disk Array Subsystem list information" option was selected.

[Measures]   Unnecessary

iSM11532: Disk Array Subsystem detail information option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "Disk Array Subsystem detail information" option was selected.

aaa...a   :   Additional information

[Measures]   Unnecessary

284

iSM11533: LD list information option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "LD list information" option was selected.

              aaa...a   : Additional information

[Measures]   Unnecessary

iSM11534: LD detail information option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "LD detail information" option was selected.

              aaa...a   : Additional information

[Measures]   Unnecessary

iSM11535: PD list information option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "PD list information" option was selected.

              aaa...a   : Additional information

[Measures]   Unnecessary

iSM11536: PD detail information option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "PD detail information" option was selected.
aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11537: Port information with LD key option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "Port information with LD key" option was selected.
aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11538: LD information with port key option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "LD information with port key" option was selected.
aaa...a   :   Additional information

[Measures]   Unnecessary

286

iSM11539: Controller information option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "Controller information" option was selected.
　　　　　　　　　aaa...a　　　:　Additional information

[Measures]   Unnecessary

iSM11540: Enclosure information option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "Enclosure information" option was selected.
　　　　　　　　　aaa...a　　　:　Additional information

[Measures]   Unnecessary

iSM11542: Enclosure resource doesn't exist. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Enclosure resource does not exist.
　　　　　　　　　aaa...a　　　:　Additional information

[Measures]   Unnecessary

iSM11543: Port information option was selected. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   "Platform information" option was selected.

aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11544: Specified Resource does not exist.

[Classification]   INFO

[Explanation]   Specified resource does not exist.

[Measures]   Check input resource name and resource number, and retry processing.

iSM11545: Cache doesn't exist.

[Classification]   INFO

[Explanation]   Cache module does not exist.

[Measures]   Unnecessary

iSM11546: Cache segment does not exist.

[Classification]   INFO

[Explanation]   Cache segment does not exist.

[Measures]   Check the status of the disk array.

iSM11548: Volume list data is not found.

[Classification]   ERROR

[Explanation]   A volume list data does not exist or specified volume does not exist in the volume list data.

[Measures]   Check a volume name with reference to the volume list data, and input the volume name again.   If a volume table is not displayed, create a volume list.

iSM11549: Cannot make or refresh volume list data.

[Classification]   ERROR

[Explanation]   Creation of a volume list data failed.
This message is output on UNIX system.

[Measures]   If operation trace data has been collected, troubleshoot on the basis of operation trace data and error code, and then remove cause of fault.

iSM11557: Only root can use this option.

[Classification]   ERROR

[Explanation]   A command was executed by a user other than root user or privileged user.
This message is output on UNIX system.

[Measures]   Execute the command by a root user or a privileged user.

289

iSM11561:　Rebuild option was selected. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　"Rebuild" option was selected.

aaa...a　　　:　Additional information

[Measures]　　Unnecessary

iSM11562:　Spare Rebuild option was selected. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　"Spare Rebuild" option was selected.

aaa...a　　　:　Additional information

[Measures]　　Unnecessary

iSM11563:　iSMrepair was executed.

[Classification]　　INFO

[Explanation]　　iSMrepair was executed.

[Measures]　　Unnecessary

iSM11564:　PD Group Number was too large.

[Classification]　　INFO

[Explanation]　　PD Group number exceeds the range that can be specified.

[Measures]　　Check whether the input parameter is correct.

290

iSM11565: PD Number was too large.

[Classification]   INFO

[Explanation]   PD number exceeds the range that can be specified.

[Measures]   Check whether the input parameter is correct.

iSM11566: RANK Number was too large.

[Classification]   INFO

[Explanation]   RANK number exceeds the range that can be specified.

[Measures]   Check whether the input parameter is correct.

iSM11567: PD Group Number is different.

[Classification]   INFO

[Explanation]   PD Group Number is different.

[Measures]   Check whether the input parameter is correct.

iSM11568: RANK list information option was selected.

[Classification]   INFO

[Explanation]   "RANK list information" option was selected.

[Measures]   Unnecessary

291

iSM11569: RANK detail information option was selected.

[Classification]   INFO

[Explanation]   "RANK detail information" option was selected.

[Measures]   Unnecessary

iSM11570: Access Control list information option was selected.

[Classification]   INFO

[Explanation]   "Access Control list information" option was selected.

[Measures]   Unnecessary

iSM11571: LD Set information with LD Set key option was selected.

[Classification]   INFO

[Explanation]   "LD Set information" option was selected.

[Measures]   Unnecessary

292

iSM11572:　All information option was selected.

[Classification]　　INFO

[Explanation]　　"All information" option was selected.

[Measures]　　Unnecessary

iSM11573:　Controller detail information option was selected. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　"Controller detail information" option was selected.
　　　　　　　　aaa...a　　：　Additional information

[Measures]　　Unnecessary

iSM11574:　Enclosure detail information option was selected. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　"Enclosure detail information" option was selected.
　　　　　　　　aaa...a　　：　Additional information

[Measures]　　Unnecessary

293

iSM11575: LD Set detail information option was selected.(<*aaa...a*>)

[Classification]   INFO

[Explanation]   "LD Set detail information" option was selected.

aaa...a   :   Additional information

[Measures]   Unnecessary

iSM11576: ReallocationControl information option was selected.

[Classification]   INFO

[Explanation]   "ReallocationControl information" option was selected.

[Measures]   Unnecessary

iSM11577: Cache segment list information option was selected.

[Classification]   INFO

[Explanation]   "Cache Segment list information" option was selected.

[Measures]   Unnecessary

294

iSM11578: Cache segment detail information with LDN key option was selected.

[Classification]   INFO

[Explanation]   "Cache Segment detail information with LDN key" option was selected.

[Measures]   Unnecessary

iSM11579: Cache segment detail information with LD name key option was selected.

[Classification]   INFO

[Explanation]   "Cache Segment detail information with LD Name key" option was selected.

[Measures]   Unnecessary

iSM11580: Pool list information option was selected.

[Classification]   INFO

[Explanation]   "Pool list information" option was selected.

[Measures]   Unnecessary

295

iSM11581: Pool detail information with Pool Number key option was selected.

[Classification]   INFO

[Explanation]   "Pool detail information with Pool Number key" option was selected.

[Measures]   Unnecessary

iSM11582: Pool detail information with Pool Name key option was selected.

[Classification]   INFO

[Explanation]   "Pool detail information with Pool Number key" option was selected.

[Measures]   Unnecessary

iSM11583: Snapshot Pool list information option was selected.

[Classification]   INFO

[Explanation]   "Snapshot Pool list information" option was selected.

[Measures]   Unnecessary

iSM11584: Snapshot Pool detail information with Pool Name key option was selected.

[Classification]   INFO

[Explanation]   "Snapshot Pool detail information with Pool Name key" option was selected.

[Measures]   Unnecessary

296

iSM11585: Snapshot Pool detail information with Pool Number key option was selected.

[Classification]   INFO

[Explanation]   "Snapshot Pool detail information with Pool Number key" option was selected.

[Measures]   Unnecessary

iSM11586: Snapshot LD list information option was selected.

[Classification]   INFO

[Explanation]   "Snapshot LD list information" option was selected.

[Measures]   Unnecessary

iSM11587: Snapshot LD detail information option was selected.

[Classification]   INFO

[Explanation]   "Snapshot LD detail information" option was selected.

[Measures]   Unnecessary

iSM11600: ATTENTION: Data on LD will be deleted.

[Classification]   INFO

[Explanation]   Attention: Data on LD will be deleted.

[Measures]   Please obey the instruction in the following message and go on the operation.

297

iSM11601: Failed to communicate.

[Classification]   INFO

[Explanation]   It failed to communicate.

[Measures]   Check whether iSMsvr has started.

iSM11602: Failed to set Log output environment.

[Classification]   INFO

[Explanation]   It failed in setting environment for Log output.

[Measures]   Unnecessary

iSM11603: Only an Administrators group can execute.

[Classification]   INFO

[Explanation]   Execution is allowed for users belonging to Administrators group only.
This message is output on Windows system.

[Measures]   Log on by a user that belongs to Administrators group

iSM11604: Specified directory does not exist.

[Classification]   INFO

[Explanation]   Specified directory does not exist.

[Measures]   Check the specified directory.

298

iSM11605: Please wait a minute.

[Classification]   INFO

[Explanation]   The configuration information is now being obtained(/output).   Please wait for a
minute.

[Measures]   Please wait for a minute.

iSM11700: Please wait a minute.

[Classification]   INFO

[Explanation]   The volume list is now being created/updated.   Please wait for a minute.

[Measures]   Please wait for a minute.

iSM11701: Volume list is created successfully.

[Classification]   INFO

[Explanation]   It indicates that the volume list has been successfully created.
This message is output on Windows system.

[Measures]   Unnecessary

iSM11702: Failed to make volume list data.

[Classification]   ERROR

[Explanation]   It failed in creating volume list.
This message is output on Windows system.

[Measures]   A detailed error message is displayed.   Execute the correct operation according
to the detailed error message.

299

iSM11703: Option is insufficient.

[Classification]   ERROR

[Explanation]   It indicates that the required option is not specified or invalid option is specified.

[Measures]   Specify the correct option.

iSM11704: Specified option are duplicated.

[Classification]   ERROR

[Explanation]   It indicates that the specified options are duplicated.
This message is output on Windows system.

[Measures]   Specify the correct option.

iSM11705: Options which can not control are specified.

[Classification]   ERROR

[Explanation]   It indicates that the specified option is not supported by the program.
This message is output on Windows system.

[Measures]   Specify the correct option.

iSM11706: Too many options are specified.

[Classification]   ERROR

[Explanation]   It indicates that two or more options are specified at a time.
This message is output on Windows system.

[Measures]   Specify the correct option.

300

iSM11707: Combination of options is illegal.

[Classification]   ERROR

[Explanation]   It indicates that combination of options is illegal.
                      This message is output on Windows system.

[Measures]   Specify the correct option.

iSM11708: Form of parameter is illegal.

[Classification]   ERROR

[Explanation]   It indicates that the form of parameter is illegal.
                      This message is output on Windows system.

[Measures]   Specify the correct parameter form.

iSM11709: Parameter is too long.

[Classification]   ERROR

[Explanation]   It indicates that the parameter is too long.
                      This message is output on Windows system.

[Measures]   Specify the correct parameter.

iSM11710: Conflict of volume list data has been detected. Please update volume list data.

[Classification]   WARNING

[Explanation]   Inconsistency was found in volume list.   Volume list is old and is not consistent
                      with system status.

[Measures]   Update the volume list.

301

iSM11711: Volume list data does not exist.

[Classification]   WARNING

[Explanation]   Volume list does not exist.

[Measures]   Create/update the volume list.

iSM11712: Volume list data is not created by the command which supports property display.

[Classification]   WARNING

[Explanation]   The property of the volume list could not be obtained because it is old.

[Measures]   If the property is required, recreate the volume list.

iSM11713: Some definitions of control volume are invalid.

[Classification]   WARNING

[Explanation]   Some definitions of control volume are invalid. The volume list was
                   created/updated ignoring the invalid definitions.

[Measures]   Display the control volume and check its definition status.   And, check the
                   definition of control volume and re-create the volume list.

iSM11714: Volume list data has no control volume.

[Classification]   WARNING

[Explanation]   No control volume.

[Measures]   If you want to use control volume, re-create and register a volume list after
                   defining control volume.

302

iSM11721: Disk Array does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the disk array information is not registered in the volume list.

[Measures]   Check the connection between the host machine and the disk array, and newly create the volume list.

iSM11722: Volume does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the logical disk information is not registered in the volume list. This message is output on Windows system.

[Measures]   Bind the logical disk in the disk array, and newly create a volume list.

iSM11723: Specified ld_number does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the specified logical disk is not registered in the volume disk. This message is output on Windows system.

[Measures]   Specify the correct logical disk.

303

iSM11724: Specified ld_name does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the specified logical disk name is not registered in the volume list.
This message is output on Windows system.

[Measures]   Specify the correct logical disk name.

iSM11725: Specified drive does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the specified drive letter is not registered in the volume list.
This message is output on Windows system.

[Measures]   Specify the correct drive letter.

iSM11726: Specified disk_number does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the specified disk is not registered in the volume list.
This message is output on Windows system.

[Measures]   Specify the correct disk.

iSM11727: Specified HBT does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the specified HBT is not registered in the volume list.

This message is output on Windows system.

[Measures]   Specify the correct HBT.

iSM11728: Specified HBT or LUN does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the specified HBT or LUN is not registered in the volume list.

This message is output on Windows system.

[Measures]   Specify the correct HBT or LUN.

iSM11729: Specified Disk Array information does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the disk array information is not registered in the volume list.

[Measures]   Check the connection between the host machine and the disk array, and newly create a volume list.

305

iSM11730: Failed to get the specified Disk Array information.

[Classification]	ERROR

[Explanation]   It indicates that the disk array information collection is failed.
This message is output on Windows system.

[Measures]   Check the connection between the host machine and the disk array, and newly
create a volume list.

iSM11731: Specified Disk Array is not supported.

[Classification]   ERROR

[Explanation]   It indicates that the specified disk array name is not correct
This message is output on Windows system.

[Measures]   Specify the correct disk array name.

iSM11732: Specified Volume Name does not exist in volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the specified mount point volume is not registered in the volume
list.
This message is output on Windows system.

[Measures]   Specify the correct mount point volume name.

iSM11733: Failed to initialize an ODM session.

[Classification]   ERROR

[Explanation]   Failed in initialization of ODM session.

[Measures]   Check that ODM environment is normal and retry processing.

    Check that system memory capacity is sufficient and retry processing.

iSM11734: Failed to terminate an ODM session.

[Classification]   ERROR

[Explanation]   Failed in termination of ODM session.

[Measures]   Check that ODM environment is normal, and then retry processing.

iSM11735: Failed to retrieve objects from ODM.

[Classification]   ERROR

[Explanation]   Failed in searching for an ODM object.

[Measures]   Check that ODM environment is normal, and then retry processing.

iSM11736: Failed to write target-control volume list data.

[Classification]   ERROR

[Explanation]   Failed in writing of target-control volume list data.

[Measures]   Target-control volume list data may become invalid. Create a target-control volume list again.

307

iSM11737: Failed to get control volume definitions.

[Classification]   ERROR

[Explanation]   Failed in obtaining control volume definitions.

[Measures]   Check that control volume definition file is described correctly, and then retry processing.

iSM11738: Failed to get target volume definitions.

[Classification]   ERROR

[Explanation]   Failed in obtaining target volume definitions.

[Measures]   Check that target volume definition file is described correctly, and then retry processing.

iSM11739: Failed to get control volume list data.

[Classification]   ERROR

[Explanation]   Failed in obtaining control volume list data.

[Measures]   Check settings for control volume and target volume, and make the settings for control volume function effective, then newly create the volume list.

308

iSM11740: Failed to get property of volume list data.

[Classification]   ERROR

[Explanation]   Failed in obtaining the property of volume list data.

[Measures]   Update the volume list, and then retry processing.

iSM11742: Failed to open control volume definition file.

[Classification]   ERROR

[Explanation]   Failed in opening control volume definition file.

[Measures]   Check that control volume definition file exists, and then retry processing.

iSM11743: Failed to open target volume definition file.

[Classification]   ERROR

[Explanation]   Failed in opening target volume definition file.

[Measures]   Check that target volume definition file exists, and then retry processing.

iSM11744: Failed to open target-control volume list data.

[Classification]   ERROR

[Explanation]   Failed in opening target-control volume list.

[Measures]   Target-control volume list data may be invalid.   Create a target-control volume list again.

309

iSM11745: Failed to close control volume definition file.

[Classification]   ERROR

[Explanation]   Failed in closing control volume definition file.

[Measures]   Check that control volume definition file exists, and then retry processing.

iSM11746: Failed to close target volume definition file.

[Classification]   ERROR

[Explanation]   Failed in closing target volume definition file.

[Measures]   Check that target volume definition file exists, and then retry processing.

iSM11747: Failed to close target-control volume list data.

[Classification]   ERROR

[Explanation]   Failed in closing target-control volume list.

[Measures]   Target-control volume list data may be invalid.   Create a target-control volume list again.

iSM11748: Target-control volume list data has invalid data.

[Classification]   ERROR

[Explanation]   Target-control volume list includes invalid data.

[Measures]   Create a target-control volume list again.

310

iSM11749: Control volume is not found.

[Classification]   ERROR

[Explanation]   Control volume is not found.

[Measures]   Check that control volume definition file is described correctly, and then create a target-control volume list again.

iSM11750: Failed to execute popen.

[Classification]   ERROR

[Explanation]   Execution of the popen() function failed.
This message is output on UNIX system.

[Measures]   Check descriptions in operation log and remove causes of failure.   Then retry command execution.

311

iSM11751: ReplicationControl or iSMvollist command has already started.

iSM11751: iSMvollist command has already started.

iSM11751: iSMmknod command has already started.

iSM11751: iSM/Server has already started.

[Classification]　　ERROR

[Explanation]　　Reference or update of Volume List was executed during execution of the replication control command.

The volume list is being updated by the iSMvollist command.

Update of Volume List was executed during execution of the iSMmknod command.

The iSM server has already started.　　Update of Volume List cannot be executed.

[Measures]　　Retry after each process is completed.

iSM11755: Failed to execute ioscan.

[Classification]　　ERROR

[Explanation]　　Execution of ioscan command failed.

This message is output on UNIX system.

[Measures]　　If the operation trace is collected, use the operation trace and the error code to find the cause and remove it.

312

iSM11756: Illegal OS version

[Classification]   ERROR

[Explanation]   This version of OS is not supported for ReplicationControl.
                   This message is output on UNIX system.

[Measures]   ReplicationControl cannot be used.

iSM11757: SCSI path-through driver is not installed.

[Classification]   ERROR

[Explanation]   The SCSI path-through driver is not installed in the system.
                   This message is output on UNIX system.

[Measures]   Install the SCSI path-through driver in the system.

313

iSM11758: System call error (error code=*<aaa>*)

[Classification]　　ERROR

[Explanation]　　The system call failed when the volume list was created.

　　　　　　　　aaa　　　　: 　Error code

200:	fork() fail
201:	rename() fail
202:	opendir() fail
203:	execvp() fail
204:	system() fail
205:	unlink() fail
206:	fopen() fail
207:	fwrite() fail
208:	rm command fail
209:	mv command fail
210:	lsdev command fail
211:	mknod command fail
212:	mksf command fail
213:	child process dissipation
214:	scsi open fail
215:	scsi inquiry fail
216:	scsi sense fail
217:	fseek() fail
218:	fread() fail
219:	device information acquisition fail (QueryDosDevice() fail, etc.)
220:	popen() fail
230:	open() fail
231:	stat() fail
300:	directory information acquisition fail (GetSystemWindowsDirectory() fail, etc.)
301:	file exclusive lock fail (fcntl() fail, etc.)

[Measures]　　If the operation trace is collected, use the information in the operation trace and the error code to find the cause and remove it.

314

iSM11759: Failed to open control volume in Diagnostic mode.

[Classification]   ERROR

[Explanation]   Control volume cannot be opened in Diagnostic mode.

[Measures]   Check that LVM has not been activated on control volume and has not been opened by other application in Diagnostic mode.   Then retry processing.

iSM11760: Volume list data is locked by another process.

[Classification]   ERROR

[Explanation]   Volume list has been created/modified by other process.

[Measures]   After completion of a process, retry command execution.

iSM11781: Failed to open volume list data.

[Classification]   ERROR

[Explanation]   It indicates that it failed to open the volume list.

[Measures]   The volume list may be invalid.   Create a new volume list.

iSM11782: Failed to close volume list data.

[Classification]   ERROR

[Explanation]   It indicates that it failed to close the volume list.

[Measures]   The volume list may be invalid.   Create a new volume list.

315

iSM11783: Failed to read volume list data.

[Classification]   ERROR

[Explanation]   It indicates that it failed to read the volume list.

[Measures]   The volume list may be invalid.   Create a new volume list.

iSM11784: Failed to write volume list data.

[Classification]   ERROR

[Explanation]   It indicates that it failed to write the volume list.
This message is output on Windows system.

[Measures]   The volume list may be invalid.   Create a new volume list.

iSM11785: Failed to seek volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the file operation for the volume list is failed.

[Measures]   The volume list may be invalid.   Create a new volume list.

iSM11786: Failed to copy volume list data.

[Classification]   ERROR

[Explanation]   It indicates that it failed to copy the volume list.
This message is output on Windows system.

[Measures]   The volume list may be invalid.   Create a new volume list.

iSM11787: Failed to rename volume list data.

[Classification]   ERROR

[Explanation]   It indicates that the file name of the volume list is not changed due to an error.
This message is output on Windows system.

[Measures]   The volume list may be invalid.   Create a new volume list.

iSM11791: Failed to read directory.

[Classification]   ERROR

[Explanation]   It indicates that the directory is not read.
This message is output on Windows system.

[Measures]   Directory where the volume list is stored may be not specified.   Create a new
volume list.

iSM11792: Failed to make directory.

[Classification]   ERROR

[Explanation]   It indicates that directory creation is failed.
This message is output on Windows system.

[Measures]   Volume list table is created under the installation directory of an OS.   Identify a
cause of inability to create a directory, and then create a volume list table again.

iSM11793: Failed to query device.

[Classification]   ERROR

[Explanation]   It indicates that device query is failed.
This message is output on Windows system.

[Measures]   Check the connection between the host machine and the disk array, and newly
create a volume list.

317

iSM11794: Failed to open scsi device.

[Classification]　　　ERROR

[Explanation]　　　　It indicates that SCSI device is not opened due to an error.

[Measures]　　　　　Check the connection between the host machine and the disk array, and newly create a volume list.

iSM11795: Failed to get OS version.

[Classification]　　　ERROR

[Explanation]　　　　It indicates that OS version is not obtained due to an error.

[Measures]　　　　　This program is not supported by the OS you currently use.　　Use the OS supporting this program to run this program.

iSM11796: Failed to allocate a memory space.

[Classification]　　　ERROR

[Explanation]　　　　It indicates that the required memory space cannot be allocated.

[Measures]　　　　　The required memory space may be insufficient.　　Allocate a required memory space by expanding memory to run this program.

iSM11797: Target device does not exist.

[Classification]　　　ERROR

[Explanation]　　　　It indicates that the disk array targeted for this program does not exist.

[Measures]　　　　　Check the connection between the host machine and the disk array, and newly create a volume list.

318

iSM11799: Failed to execute system function.

[Classification] ERROR

[Explanation] It indicates that an error occurred in the system function of OS.

[Measures] OS may be in instability or invalid. Set the OS in a stable condition by restarting or re-installing the OS.

iSM11801: Failed to create log files.

[Classification] INFO

[Explanation] Failed in creating log file.

[Measures] Check that creation of file is allowed in the log file output directory.

iSM11802: Started to get '<aaa...a>' log.

[Classification] INFO

[Explanation] Obtaining log from disk array indicated by "aaa...a" started.
aaa...a : Disk array name

[Measures] Unnecessary

iSM11803: Succeed to get '<aaa...a>' log.

[Classification] INFO

[Explanation] Obtaining log from disk array indicated by "aaa...a" was successful.
aaa...a : Disk array name

[Measures] Unnecessary

319

iSM11804: Failed to get '*<aaa...a>*' log.

[Classification]   INFO

[Explanation]   Failed in obtaining log from disk array indicated by "aaa...a".

[Measures]   Check status of iSM server and disk array, and then retry processing.

320

iSM13000 ~
iSM13200: *<aaa...a>*

[Classification]   INFO

[Explanation]   Executed command line.

aaa...a   : Entered character string

[Measures]   Unnecessary

iSM13201: Replicate Start *<aaaa/bb/cc>* *<dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Replicate processing start message.

aaaa/bb/cc   : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

ggg...g   : Volume name

[Measures]   Unnecessary

iSM13202: Replicate Normal End *<aaaa/bb/cc>* *<dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Replicate processing normal end message.

aaaa/bb/cc   : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

ggg...g   : Volume name

[Measures]   Unnecessary

321

iSM13203: Replicate Abnormal End *<aaaa/bb/cc> <dd:ee:ff> MV:<ggg...g> RV:<ggg...g>*

[Classification]   INFO

[Explanation]   Replicate processing abnormal termination message.

aaaa/bb/cc   : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

ggg...g   : Volume name

[Measures]   Check the message displayed immediately before to handle it.

iSM13204: Restore Start *<aaaa/bb/cc> <dd:ee:ff> MV:<ggg...g> RV:<ggg...g>*

[Classification]   INFO

[Explanation]   Restore processing start message.

aaaa/bb/cc   : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

ggg...g   : Volume name

[Measures]   Unnecessary

iSM13205: Restore Normal End *<aaaa/bb/cc> <dd:ee:ff> MV:<ggg...g> RV:<ggg...g>*

[Classification]   INFO

[Explanation]   Restore processing normal termination message.

aaaa/bb/cc   : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

ggg...g   : Volume name

[Measures]   Unnecessary

322

iSM13206: Restore Abnormal End *<aaaa/bb/cc> <dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Restore processing abnormal termination message.

    aaaa/bb/cc   : Year/Month/Day

    dd:ee:ff   : Hour/Minute/Second

    ggg...g   : Volume name

[Measures]   Check the message displayed immediately before to handle it.

iSM13207: Separate Start *<aaaa/bb/cc> <dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Separate processing start message.

    aaaa/bb/cc   : Year/Month/Day

    dd:ee:ff   : Hour/Minute/Second

    ggg...g   : Volume name

[Measures]   Unnecessary

iSM13208: Separate Normal End *<aaaa/bb/cc> <dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Separate processing normal termination message.

    aaaa/bb/cc   : Year/Month/Day

    dd:ee:ff   : Hour/Minute/Second

    ggg...g   : Volume name

[Measures]   Unnecessary

323

iSM13209: Separate Abnormal End *<aaaa/bb/cc> <dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Separate processing abnormal termination message.

aaaa/bb/cc   : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

ggg...g   : Volume name

[Measures]   Check the message displayed immediately before to handle it.

iSM13210: Change Start   *<aaaa/bb/cc> <dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Copy Control State change processing start message.

aaaa/bb/cc   : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

ggg...g   : Volume name

[Measures]   Unnecessary

iSM13211: Change Normal End   *<aaaa/bb/cc> <dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Copy Control State change processing normal termination message.

aaaa/bb/cc   : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

ggg...g   : Volume name

[Measures]   Unnecessary

324

iSM13212: Change Abnormal End *<aaaa/bb/cc> <dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   Copy Control State change processing abnormal termination message.

aaaa/bb/cc   :   Year/Month/Day

dd:ee:ff   :   Hour/Minute/Second

ggg...g   :   Volume name

[Measures]   Check the message displayed immediately before to handle it.

iSM13213: Wait Abnormal End *<aaaa/bb/cc> <dd:ee:ff>* MV:*<ggg...g>* RV:*<ggg...g>*

[Classification]   INFO

[Explanation]   The wait by the wait state processing has abnormally terminated.

aaaa/bb/cc   :   Year/Month/Day

dd:ee:ff   :   Hour/Minute/Second

ggg...g   :   Volume name

[Measures]   Check the message displayed immediately before to handle it.

iSM13214: These targets have already replicated. MV:*<aaa...a>* RV:*<aaa...a>*

[Classification]   INFO

[Explanation]   Specified volume has already been replicated.

aaa...a   :   Volume name

[Measures]   Unnecessary

325

iSM13215: These targets have already separated. (<*aaa...a*>) MV:<*bbb...b*> RV:<*bbb...b*>

[Classification]   INFO

[Explanation]   Specified volume has already been separated.

Separation condition is not displayed for separation normally ended

aaa...a   : Separation condition

                   cancel   : forced separation

                   fault   : fault separation

bbb...b   : Volume name

[Measures]   Unnecessary

iSM13216: These targets have already restored. MV:<*aaa...a*> RV:<*aaa...a*>

[Classification]   INFO

[Explanation]   Specified volume has already been restored.

aaa...a   : Volume name

[Measures]   Unnecessary

iSM13218: <*aaa...a*> <*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that a function was called. The name and parameter information of

function are edited and output with arbitrary character strings.

aaa...a   : Function name

bbb...b   : Function parameter information

[Measures]   Unnecessary

326

iSM13219: *<aaa...a>* return=*<bbb...b>* *<ccc...c>*

[Classification]   INFO

[Explanation]   It indicates that processing returned from a function. The name, return value and return information of function are edited and output with arbitrary character strings.

        aaa...a   : Function name

        bbb...b   : Return value of function (decimal)

        ccc...c   : Return information of function

[Measures]   Unnecessary

iSM13220: Setting drive letter (*<aaa...a>*) has succeeded.

iSM13220: Setting mount point (*<bbb...b>*) has succeeded.

[Classification]   INFO

[Explanation]   The drive letter or the NTFS folder mount point was set successfully.

        This message is output on Windows system.

        aaa...a   : Drive name

        bbb...b   : Path

[Measures]   Unnecessary

327

iSM13221: Resetting drive letter (*<aaa...a>*) has succeeded.

iSM13221: Resetting mount point (*<bbb...b>*) has succeeded.

[Classification]   INFO

[Explanation]   The drive letter or the NTFS folder mount point was canceled successfully.

This message is output on Windows system.

aaa...a   : Drive name

bbb...b   : Path

[Measures]   Unnecessary

iSM13222: Reading signature succeeded. *<aaa...a>* records

[Classification]   INFO

[Explanation]   The disk signature information was read successfully.

This message is output on Windows system.

aaa...a   : Record count

[Measures]   Unnecessary

iSM13223: Initializing signature succeeded. volume=*<aaa...a>*

[Classification]   INFO

[Explanation]   The disk signature information was initialized successfully.

This message is output on Windows system.

aaa...a   : Physical disk number

[Measures]   Unnecessary

328

iSM13224: MV is restored.
Volume Name:*<aaa...a>*
Mount Point:*<bbb...b>*

[Classification]   INFO

[Explanation]   The MV is to be restored by the restore command.

This message is output on Windows system.

aaa...a   : Mount point volume name

bbb...b   : Drive letters or NTFS folder name

[Measures]   Unnecessary

If an error occurs during unmount of MV that is performed at restore start, set the drive letters or mount the NTFS folder using the mount point volume name and drive letters, or NTFS folder information output with this message before you resume operation.

iSM13225: Flush Start *<aaaa/bb/cc> <dd:ee:ff>*

[Classification]   INFO

[Explanation]   Buffer flush processing start message.

aaaa/bb/cc : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

[Measures]   Unnecessary

iSM13226: Flush Normal End *<aaaa/bb/cc>*
<dd:ee:ff>

[Classification]   INFO

[Explanation]   Buffer flush processing normal end message.

aaaa/bb/cc : Year/Month/Day

dd:ee:ff   : Hour/Minute/Second

[Measures]   Unnecessary

329

iSM13227: Flush Abnormal End *<aaaa/bb/cc>* *<dd:ee:ff>*

[Classification]   INFO

[Explanation]   Buffer flush processing abnormal termination message.
aaaa/bb/cc   : Year/Month/Day
dd:ee:ff   : Hour/Minute/Second

[Measures]   Check the message displayed immediately before to handle it.

iSM13228: Scan Start *<aaaa/bb/cc>* *<dd:ee:ff>*

[Classification]   INFO

[Explanation]   Device scan processing start message.
aaaa/bb/cc   : Year/Month/Day
dd:ee:ff   : Hour/Minute/Second

[Measures]   Unnecessary

iSM13229: Scan Normal End *<aaaa/bb/cc>* *<dd:ee:ff>*

[Classification]   INFO

[Explanation]   Device scan processing normal termination message.
aaaa/bb/cc   : Year/Month/Day
dd:ee:ff   : Hour/Minute/Second

[Measures]   Unnecessary

330

iSM13230: Scan Abnormal End *\<aaaa/bb/cc\>* *\<dd:ee:ff\>*

[Classification]   INFO

[Explanation]   Device scan processing abnormal termination message.
aaaa/bb/cc   : Year/Month/Day
dd:ee:ff   : Hour/Minute/Second.

[Measures]   Check the message displayed immediately before to handle it.

iSM13231: Writing signature succeeded. volume=*\<aaa...a\>*

[Classification]   INFO

[Explanation]   The disk signature information was written successfully.
This message is output on Windows system.
aaa...a   : Physical disk number

[Measures]   Unnecessary

iSM13232: Deleting record of specified volume from signature map file succeeded. volume=*\<aaa...a\>*

[Classification]   INFO

[Explanation]   The signature information of the specified disk was deleted from the signature
map file successfully.
This message is output on Windows system.
aaa...a   : Physical disk number

[Measures]   Unnecessary

331

iSM13233: Deleting of signature information from signature map file has succeeded.

[Classification]　INFO

[Explanation]　All the disk signature information was deleted from the signature map file successfully.
This message is output on Windows system.

[Measures]　Unnecessary

iSM13234: Exporting file succeeded. filename=*<aaa...a>*
iSM13234: Exporting file succeeded. *<aaa...a>* records

[Classification]　INFO

[Explanation]　The disk signature information was written successfully.
This message is output on Windows system.
aaa...a　　　：　File name or record count

[Measures]　Unnecessary

iSM13235: Importing file succeeded. *<aaa...a>* records

[Classification]　INFO

[Explanation]　The disk signature information was read successfully.
This message is output on Windows system.
aaa...a　　　：　Record count

[Measures]　Unnecessary

332

iSM13238: Freeze of database is started.
<aaaa>/<bb>/<cc> <dd>:<ee>:<ff>

[Classification]   INFO

[Explanation]   Freeze of database is started.
aaaa/bb/cc : System date (year/month/day) when freeze of database started.
dd:ee:ff   : System time (hour:minute:second) when freeze of database started.

[Measures]   Unnecessary

iSM13239: All of database were thawed.
<aaaa>/<bb>/<cc> <dd>:<ee>:<ff>

[Classification]   INFO

[Explanation]   All databases were thawed.
aaaa/bb/cc : System date (year/month/day) when databases were thawed.
dd:ee:ff   : System time (hour:minute:second) when databases were thawed.

[Measures]   Unnecessary

iSM13240: SnapshotBackup Start
<aaaa>/<bb>/<cc> <dd>:<ee>:<ff>

[Classification]   INFO

[Explanation]   Snapshot backup processing has started.
aaaa/bb/cc : Year/Month/Day
dd:ee:ff   : Hour/Minute/Second

[Measures]   Unnecessary

333

iSM13241: SnapshotBackup Normal End
<aaaa>/<bb>/<cc> <dd>:<ee>:<ff>

[Classification]　　INFO

[Explanation]　　Snapshot backup processing has terminated normally.
　　　　　　　　aaaa/bb/cc　：　Year/Month/Day
　　　　　　　　dd:ee:ff　　：　Hour/Minute/Second

[Measures]　　　Unnecessary

iSM13242: SnapshotBackup Abnormal End
<aaaa>/<bb>/<cc> <dd>:<ee>:<ff>

[Classification]　　INFO

[Explanation]　　Snapshot backup processing has terminated abnormally.
　　　　　　　　aaaa/bb/cc　：　Year/Month/Day
　　　　　　　　dd:ee:ff　　：　Hour/Minute/Second

[Measures]　　　Take measures with reference to a message that was output immediately before this message.

iSM13243: SnapshotRestore Start
<aaaa>/<bb>/<cc> <dd>:<ee>:<ff>

[Classification]　　INFO

[Explanation]　　Snapshot restore processing has started.
　　　　　　　　aaaa/bb/cc　：　Year/Month/Day
　　　　　　　　dd:ee:ff　　：　Hour/Minute/Second

[Measures]　　　Unnecessary

334

iSM13244: SnapshotRestore Normal End
<aaaa>/<bb>/<cc> <dd>:<ee>:<ff>

[Classification]   INFO

[Explanation]   Snapshot restore processing has terminated normally.

        aaaa/bb/cc : Year/Month/Day

        dd:ee:ff   : Hour/Minute/Second

[Measures]   Unnecessary

iSM13245: SnapshotRestore Abnormal End
<aaaa>/<bb>/<cc> <dd>:<ee>:<ff>

[Classification]   INFO

[Explanation]   Snapshot restore processing has terminated abnormally.

        aaaa/bb/cc : Year/Month/Day

        dd:ee:ff   : Hour/Minute/Second

[Measures]   Take measures with reference to a message that was output immediately before this message.

iSM13247: Command has completed successfully. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   INFO

[Explanation]   Command execution was successful.

        aaa...a   : Process number

        bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Unnecessary

335

iSM13248:　Command has completed successfully.(already) (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)

[Classification]　INFO

[Explanation]　The requested state has already been set up, and command execution was successful.

aaa...a	:	Process number
bbb...b	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　Unnecessary

iSM13250:　Snapshot has been deleted. SV: *<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]　INFO

[Explanation]　The snapshot has been deleted before a new snapshot creation.

aaa...a	:	Logical disk name for SV
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　Unnecessary

336

iSM13251: Create Start   *\<aaaa/bb/cc\>* *\<dd:ee:ff\>*

[Classification]   INFO

[Explanation]   Snapshot create processing start message.

    aaaa/bb/cc   :   Year/Month/Day

    dd:ee:ff   :   Hour/Minute/Second

[Measures]   Unnecessary

iSM13252: Create Normal End   *\<aaaa/bb/cc\>* *\<dd:ee:ff\>*

[Classification]   INFO

[Explanation]   Snapshot create processing normal end message.

    aaaa/bb/cc   :   Year/Month/Day

    dd:ee:ff   :   Hour/Minute/Second

[Measures]   Unnecessary

iSM13253: Create Abnormal End *\<aaaa/bb/cc\>* *\<dd:ee:ff\>*

[Classification]   INFO

[Explanation]   Snapshot create processing abnormal termination message.

    aaaa/bb/cc   :   Year/Month/Day

    dd:ee:ff   :   Hour/Minute/Second

[Measures]   Check the message displayed immediately before to handle it.

337

iSM13254: Delete Start *<aaaa/bb/cc> <dd:ee:ff>*

[Classification]   INFO

[Explanation]   Snapshot delete processing start message.
                  aaaa/bb/cc   : Year/Month/Day
                  dd:ee:ff   : Hour/Minute/Second

[Measures]   Unnecessary

iSM13255: Delete Normal End *<aaaa/bb/cc>*
<dd:ee:ff>

[Classification]   INFO

[Explanation]   Snapshot delete processing normal end message.
                  aaaa/bb/cc   : Year/Month/Day
                  dd:ee:ff   : Hour/Minute/Second

[Measures]   Unnecessary

iSM13256: Delete Abnormal End *<aaaa/bb/cc>*
<dd:ee:ff>

[Classification]   INFO

[Explanation]   Snapshot delete processing abnormal termination message.
                  aaaa/bb/cc   : Year/Month/Day
                  dd:ee:ff   : Hour/Minute/Second

[Measures]   Check the message displayed immediately before to handle it.

338

iSM13400: Specified volume state has already been set up. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   WARNING

[Explanation]   Specified volume state has already been set up.

       aaa...a   :   Process number

       bbb...b   :   Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check specified volume state and re-execute.

iSM13401: This iSM/Server version does not support necessary function. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   WARNING

[Explanation]   There is a function that is not supported by the iSM server in use.

       aaa...a   :   Process number

       bbb…b   :   Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the version of the iSM server.

If the version of the iSM server is older than that of ReplicationControl, upgrade the version of the iSM server.

If the iSM server is Ver2.2, and if Not Available (volume unrecognizable) is set as the RV restriction state, the state value cannot be obtained.

339

iSM13403: Specified attribute (*<aaa...a>*) was already set up to the ATgroup. ATG=*<bbb...b>* (code=*<ccc...c>-<ddd...d>-<ddd...d>-<ddd...d>*)

[Classification]   WARNING

[Explanation]   Specified attribute has already been set up to the AT-group.

aaa...a	:	Specified attribute value
bbb…b	:	AT-group name
ccc...c	:	Process number
ddd...d	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Confirm the condition for executing the specified command, and then re-execute the command.

iSM13405: Specified targets are duplicated. device name MV=*<aaa...a>*, device name RV=*<aaa...a>*

[Classification]   WARNING

[Explanation]   Specified pair information is defined repeatedly.   When iSMrc_sense is executed, the volume defined on the MV side is repeated.

aaa...a	:	Volume name

[Measures]   Check the volume specification.

340

iSM13406: Specified targets are duplicated. MV=*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

iSM13406: Specified targets are duplicated. volume=*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   WARNING

[Explanation]   MV or BV is defined repeatedly.

aaa...a	:	Volume name
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the volume specification.

iSM13407: Control path is blockaded. file=*<aaa...a>* func=*<bbb...b>* errno=*<ccc>* status=*<ddd...d>*

[Classification]   WARNING

[Explanation]   An alternate path is switched to since an access path error occurred.

This message is output on UNIX system.

aaa...a	:	Special file name
bbb...b	:	Function name
ccc	:	Error number
ddd...d	:	Error information

[Measures]   Unnecessary

341

iSM13408: These targets have replicated. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13408: These targets have replicated. MV:<*aaa...a*> RV:<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   WARNING

[Explanation]   A command, which must not be executed for volumes or AT-groups with

Replicate being completed, was executed.

aaa...a	:	AT-group name or volume name
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Confirm the condition for executing the command, and then re-execute the
command.

342

iSM13409: These targets have separated. ATG=*\<aaa...a\>>* (code=*\<bbb...b\>-\<ccc...c\>-\<ccc...c\>-\<ccc...c\>*)

iSM13409: These targets have separated. MV:*\<aaa...a\>* RV:*\<aaa...a\>>* (code=*\<bbb...b\>-\<ccc...c\>-\<ccc...c\>-\<ccc...c\>*)

[Classification]   WARNING

[Explanation]   A command, which must not be executed for volumes or AT-groups with Separate being completed, was executed.

aaa...a	:	AT-group name or volume name
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Confirm the condition for executing the command, and then re-execute the command.

343

iSM13410: These targets have restored. MV:*<aaa...a>* RV:*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   WARNING

[Explanation]   A command, which must not be executed for volumes with Restore being completed, was executed.

aaa...a	:	Volume name
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Confirm the condition for executing the specified command, and then re-execute the command.

iSM13411: Specified target is suspended.

[Classification]   WARNING

[Explanation]   The specified pair of volumes are in normal suspend state of copy control states.

[Measures]   Execute the copy mode change instruction to restart the process by issuing the copy control state change command.

iSM13412: Target pair's copy mode is background.

[Classification]   WARNING

[Explanation]   The specified pair of volumes are in background copy state of copy control states.

[Measures]   Change the copy control state to synchronous copy mode or semi-synchronous copy mode, and then retry processing.

344

iSM13413: Target pair's copy mode is foreground.

[Classification]   WARNING

[Explanation]   A request was made for a pair of volumes to change from the foreground copy state into the synchronous copy mode or semi synchronous copy mode.

[Measures]   Move the volumes into normal suspend state, and then change the copy mode.

iSM13414: Conflict of volume list data has been detected. Please update volume list data.

[Classification]   WARNING

[Explanation]   Inconsistency was found in volume list.   Volume list is old and is not consistent with system status.

[Measures]   Update the volume list.

iSM13415: Specified volume was ignored. (<*aaa...a*>)

[Classification]   WARNING

[Explanation]   Specified volume was ignored.
                     aaa...a   : Ignored volume (MV or RV)

[Measures]   Take measures with reference to a message that was output immediately before this message.

345

iSM13480: Target ATgroup is replicating now. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   WARNING

[Explanation]   The specified AT-group is in the state of replicate start (Rpl/start) or replicate

execution (Rpl/exec), and replicate has been already started.

    aaa...a   : AT-group name

    bbb...b   : Process number

    ccc...c   : Detailed information (This code is not disorder reason but a

                              value for maintenance.)

[Measures]   Confirm the condition for executing the specified command, and then re-execute

the command.

iSM13481: Target ATgroup is restoring now. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   WARNING

[Explanation]   The specified AT-group is in the state of restore execution (Rst/exec), and restore

has been already started.

    aaa...a   : AT-group name

    bbb...b   : Process number

    ccc...c   : Detailed information (This code is not disorder reason but a

                              value for maintenance.)

[Measures]   Confirm the condition for executing the specified command, and then re-execute

the command.

346

iSM13482: Target ATgroup is separating now. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   WARNING

[Explanation]   The specified AT-group is in the state of separate start (Sep/start) or separate execution (Sep/exec), separation has been already started.

    aaa...a   : AT-group name
    bbb...b   : Process number
    ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Confirm the condition for executing the specified command, and then re-execute the command.

iSM13483: Target ATgroup is fault. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   WARNING

[Explanation]   The specified AT-group is in the state of failure separation (Fault), and synchronization has already stopped.

    aaa...a   : AT-group name
    bbb...b   : Process number
    ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Confirm the condition for executing the specified command, and then re-execute the command.

347

iSM13500: Insufficient option. (*<aaa...a>*)

[Classification]　　ERROR

[Explanation]　　The specified command does not have some required arguments, or invalid
arguments are specified.
When -file option is specified, an available option is specified for the pair
specified by the replication operation file.
() may or may not be displayed.
aaa...a　　　：　Specified value

[Measures]　　Specify the necessary arguments in the command line.
If -file option is specified, check the replication operation file.

iSM13501: Specified options are duplicated. (*<aaa...a>*)

[Classification]　　ERROR

[Explanation]　　The same argument is specified more than once in the command line.
aaa...a　　　：　Specified value

[Measures]　　Specify only one argument.

iSM13502: Options which can not be omitted are specified. (*<aaa...a>*)

[Classification]　　ERROR

[Explanation]　　An argument which cannot be omitted is omitted.
aaa...a　　　：　Specified value

[Measures]　　Check the input format and enter it again.

348

iSM13503: Too many options are specified. (*<aaa...a>*)

[Classification] ERROR

[Explanation] Too many values are specified in the argument.
aaa...a : Specified value

[Measures] Check the input format and enter it again.

iSM13504: Illegal combination of options. (*<aaa...a>*)

[Classification] ERROR

[Explanation] An invalid combination of arguments are specified in the command line.
aaa...a : Specified value

[Measures] Check the input format and enter it again.

iSM13505: Illegal control option.

[Classification] ERROR

[Explanation] The argument you specified in the command line cannot be specified.

[Measures] Check the input format and enter it again.

iSM13506: Illegal mvflg type. (*<aaa...a>*)

[Classification] ERROR

[Explanation] The value specified as MV type is invalid.
aaa...a : Specified value

[Measures] Specify a correct value.

349

iSM13507: Illegal rvflg type. (<*aaa...a*>)

[Classification]   ERROR

[Explanation]   The value specified as RV type is invalid.

aaa...a   : Specified value

[Measures]   Specify a correct value.

iSM13508: Illegal cprange type. (<*aaa...a*>)

[Classification]   ERROR

[Explanation]   The value specified in -cprange is invalid.

aaa...a   : Specified value

[Measures]   Specify a correct value.

iSM13509: Illegal cpmode type. (<*aaa...a*>)

[Classification]   ERROR

[Explanation]   The value specified in -cpmode is invalid.

aaa...a   : Specified value

[Measures]   Specify a correct value.

iSM13510: Illegal rvacc type. (<*aaa...a*>)

[Classification]   ERROR

[Explanation]   The value specified in -rvacc for RV is invalid.

aaa...a   : Specified value

[Measures]   Specify a correct value.

350

iSM13511: Illegal force type. (<*aaa...a*>)

[Classification]   ERROR

[Explanation]   The value specified in -force is invalid.
aaa...a   : Specified value

[Measures]   Specify a correct value.

iSM13512: Illegal copy mode.

[Classification]   ERROR

[Explanation]   A copy mode is not specified.
Or, the specified copy mode is not supported as copy control mode for the target pair.

[Measures]   Specify a correct value.

iSM13513: Volume (<*aaa...a*>) does not exist in volume list.

[Classification]   ERROR

[Explanation]   Specified volume does not exist in the volume list.

If you use the control volume for operation, the specified volume or volume paired with the specified volume should be accessible from the relevant business server with the Access Control or other functions.

When operating the remote disk array pair through remote operation, you can operate the target pairs and volumes on the level accessible from the business server as well as one level below and above it. Specified pair and volume cannot be operated during remote operation if the disk array is shutdown or in the freeze status, if the link path between disk arrays failed, or if the disk array does not have required functions or product license.

Note that () may or may not be displayed.

aaa...a   :   Mount point volume name

[Measures]   Check the volume and re-execute or re-create a volume list.

Check that specified volume is accessible from the relevant server when using the control volume for operation.

Check that the disk array and link path statuses are normal when operating the remote disk array pair through remote operation. Both of the local and remote disk arrays should have the RemoteDataReplication/DisasterRecovery function and product license.

iSM13514: Volume name is too long. (<aaa...a>)

[Classification]   ERROR

[Explanation]   The specified volume name is too long.

        aaa...a   : Specified volume name

[Measures]   Specify the volume within the following range:

Logical disk name:	within 24 1-byte characters
Special file name:	within 32 1-byte characters
Volume group name:	within 32 1-byte characters
Disk group name:	within 32 1-byte characters
Mount point volume name:	within 52 1-byte characters
Path name (drive letters, NTFS folder name):	within 260 1-byte characters

iSM13515: Number of MV is too many.

[Classification]   ERROR

[Explanation]   Two or more MVs are specified when the RV volume is not in the volume group or disk group.

        This message is output on UNIX system.

[Measures]   Specify only one volume for the MV.

iSM13516: Number of RV is too many.

[Classification]   ERROR

[Explanation]   Two or more RVs are specified when the MV volume is not in the volume group or disk group.

        This message is output on UNIX system.

[Measures]   Specify only one volume for the RV.

353

iSM13517: Number of LD(MV) is not equal to that of LD(RV).

[Classification] ERROR

[Explanation] The number of volumes specified for MV and RV are different.
This message is output on UNIX system.

[Measures] Make the number of MV and RV volumes equal.

iSM13518: Illegal value of -wait [second]. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification] ERROR

[Explanation] The value specified for the monitoring time interval is out of the specified range.

aaa...a : Specified value

bbb...b : Process number

ccc…c : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] Specify a value within the specified range.

354

iSM13519:　Illegal value of RPL_WATCHDEV. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]　　ERROR

[Explanation]　　The value specified in the environment variable RPL_WATCHDEV is invalid. (UNIX)

The value specified in RPL_WATCHDEV of the replication operation option setting file is not allowed. (Windows)

aaa...a	:	Specified value
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a value within the specified range.

iSM13520:　Illegal value of RPL_ENDWATCHDEV. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]　　ERROR

[Explanation]　　The value specified in the environment variable RPL_ENDWATCHDEV is invalid.

The value specified in RPL_ENDWATCHDEV of the replication operation option setting file is not allowed.

aaa...a	:	Specified volume
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a value within the specified range.

355

iSM13521: Specified volume group does not exist vg=*<aaa...a>*

iSM13521: Specified disk group does not exist dg=*<bbb...b>*

[Classification]   ERROR

[Explanation]   An invalid volume group or disk group is specified.
This message is output on UNIX system.

aaa...a   :   Volume group
bbb...b   :   Disk group

[Measures]   Specify the correct volume group or disk group.

iSM13522: No such VG

iSM13522: No such DG

[Classification]   ERROR

[Explanation]   A volume group or disk group that does not exist is specified.
This message is output on UNIX system.

[Measures]   Specify the correct volume group or disk group.

iSM13523: Illegal targets are specified.

[Classification]   ERROR

[Explanation]   The specified pair is invalid.

[Measures]   Specify a correct pair.

356

iSM13524: No such file filename=*<aaa...a>* errno=*<bbb>*

[Classification]   ERROR

[Explanation]   The specified file does not exist.
          aaa...a   : File name
          bbb   : Error number

[Measures]   Specify a correct file name.

iSM13525: Illegal file type filename=*<aaa...a>*

[Classification]   ERROR

[Explanation]   The specified file type cannot be processed.
          aaa...a   : File name

[Measures]   Specify the file created by the regular file. (UNIX)
                       Specify a file created as a text file. (Windows)

iSM13526: File open error occurred. filename=*<aaa...a>* errno=*<bbb>*

[Classification]   ERROR

[Explanation]   A file open error occurred.
          aaa...a   : File name
          bbb   : Error number

[Measures]   Check whether the file has no error.

357

iSM13527: Illegal character is included. filename=<*aaa...a*> line=<*bbb...b*>

[Classification]   ERROR

[Explanation]   An invalid character exists in the description in the file.

aaa...a   : File name

bbb...b   : Number of lines

[Measures]   Correct the file and execute it again.

iSM13528: Line has too many characters. filename=<*aaa...a*> line=<*bbb...b*>

[Classification]   ERROR

[Explanation]   More than 1024 characters (1-byte) are specified in one line.

aaa...a   : File name

bbb...b   : Number of lines

[Measures]   Correct the file and execute it again.

iSM13529: Illegal rvdata type. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   Value specified for -rvdata option is invalid.

aaa...a   : Specified value

bbb...b   : Process number

ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value and execute it again.

358

iSM13530:　Illegal MV type is specified. filename=<*aaa...a*> line=<*bbb...b*>

[Classification]　　ERROR

[Explanation]　　An invalid value was specified in MV Type.

aaa...a　　　　：　File name

bbb...b　　　　：　Number of lines

[Measures]　　Specify a correct value for MV Type..

iSM13531:　Illegal iopath type. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]　　ERROR

[Explanation]　　Value specified for -iopath option is invalid.

aaa...a　　　　：　Specified value

bbb...b　　　　：　Process number

ccc...c　　　　：　Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a correct value.

iSM13532:　Illegal RV type is specified. filename=<*aaa...a*> line=<*bbb...b*>

[Classification]　　ERROR

[Explanation]　　An invalid value was specified in RV Type.

aaa...a　　　　：　File name

bbb...b　　　　：　Number of lines

[Measures]　　Specify a correct value for RV type.

359

iSM13533: MV name is too long. error filename=<aaa...a> line=<bbb...b>

iSM13533: RV name is too long. error filename=<aaa...a> line=<bbb...b>

iSM13533: Specified volume name is too long. error filename=<aaa...a> line=<bbb...b>

[Classification]   ERROR

[Explanation]   The specified volume name is too long.

aaa...a   : File name

bbb...b   : Number of lines

[Measures]   Specify the volume within the following range:

Logical disk name:	within 24 1-byte characters
Special file name:	within 32 1-byte characters
Volume group name:	within 32 1-byte characters
Disk group name:	within 32 1-byte characters
Mount point volume name:	within 52 1-byte characters
Path name (drive letters, NTFS folder name):	within 260 1-byte characters

360

iSM13535: ATgroup does not exist. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13535: ATgroup does not exist. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The specified AT-group does not exist.   Or, no operational AT-group is found.

    aaa...a   : Specified AT-group name

    bbb...b   : Process number

    ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check whether the specified AT-group name is correct, and then retry processing. Or, register MV or RV in the specified AT-group with the volume list, and then retry processing.

iSM13536: Aborted to read the file. filename=<*aaa...a*> line=<*bbb...b*>

[Classification]   ERROR

[Explanation]   An error is detected in the execution of fgets function.   File read out is interrupted since failed to obtain volume group or disk group information.

    aaa...a   : File name

    bbb...b   : Number of lines

[Measures]   Check that the file is not destroyed, and retry the command.   Or, Specify a correct volume group or disk group.

361

iSM13537: Number of LD(MV) is not equal to that of LD(RV). filename=<*aaa...a*> line=<*bbb...b*>

[Classification]   ERROR

[Explanation]   The number of volumes specified for MV and RV are different.

    aaa...a   : File name

    bbb...b   : Number of lines

[Measures]   Make the number of volumes of MV and RV equal.

iSM13538: Specified file is empty. filename=<*aaa...a*> line=<*bbb...b*>

[Classification]   ERROR

[Explanation]   Volume information is not defined in the specified file.

    aaa...a   : File name

    bbb...b   : Number of lines

[Measures]   Define the volume information.

iSM13539: Specified RV is not available to '-force'.

[Classification]   ERROR

[Explanation]   -force all or rv cannot be specified when RV is not visible from the self host.

[Measures]   Specify mv when RV is not visible from the self host.

362

iSM13540: Illegal volflg type (*<aaa...a>*)

[Classification]   ERROR

[Explanation]   The value specified in the -vol type is invalid.
aaa...a   :   Specified value

[Measures]   Specify a correct value.

iSM13541: Semi-sync mode is not available to DynamicDataReplication.

[Classification]   ERROR

[Explanation]   Semi-sync mode cannot be specified for pairs in the same disk array.

[Measures]   Change the copy mode and execute it.

iSM13542: Specified targets are not paired.

[Classification]   ERROR

[Explanation]   Request has been issued to a volume that is not paired or forcibly unpaired.   If RemoteDataReplication is used, the volume information on the paired remote side cannot be obtained because a fault has occurred in the link path to the disk array on the remote side or the disk array is in the shutdown or freeze state.

[Measures]   Check the state of the volume , and then re-execute the command.   If RemoteDataReplication is used, check the state of the disk array on the remote side and the state of the link path, and then re-execute the command.

363

iSM13543: Illegal atmode type. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   The value specified in the -atmode option is invalid.

aaa...a	:	Specified value
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value.

iSM13544: Illegal value of concentrator number. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   The value specified in the -concnum option is invalid.

aaa...a	:	Specified value
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value.

364

iSM13545:　Illegal site type. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]　　ERROR

[Explanation]　　　The value specified in the -site option is invalid.

　　　　　　　　　aaa...a　　　：　Specified value

　　　　　　　　　bbb...b　　　：　Process number

　　　　　　　　　ccc...c　　　：　Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　　　　Specify a correct value.

iSM13547:　Specified partition does not exist.

[Classification]　　ERROR

[Explanation]　　　Specified partition does not exist.

　　　　　　　　　This message is output on Windows system.

[Measures]　　　　Check the specified partition and retry it

iSM13548:　Making MV& RV device list failed.

[Classification]　　ERROR

[Explanation]　　　Creation of internal information of the specified volume failed.

[Measures]　　　　Check the message displayed immediately before to handle it.

365

iSM13549: Failed to replicate.

[Classification]   ERROR

[Explanation]   Replicate failed.

[Measures]   Check the message displayed immediately before to handle it.

iSM13550: Failed to restore.

[Classification]   ERROR

[Explanation]   Restore failed.

[Measures]   Check the message displayed immediately before to handle it.

iSM13551: Failed to separate.

[Classification]   ERROR

[Explanation]   Separate failed.

[Measures]   Check the message displayed immediately before to handle it.

iSM13552: Failed to change.

[Classification]   ERROR

[Explanation]   Change of the copy control state or change of the AT-group attribute failed.

[Measures]   Check the message displayed immediately before to handle it.

366

iSM13553: Illegal value of RPL_LIMWATCHDEV. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   The specified value of an environment variable or RPL_LIMWATCHDEV of the replication operation option setting file is out of the specified range.

    aaa...a   : Specified value

    bbb...b   : Process number

    ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a value within the specified range.

iSM13554: Specified ATgroup name is too long. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)

[Classification]   ERROR

[Explanation]   The specified AT-group name is too long.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify an AT-group name within 32 characters (1-byte).

367

iSM13555: Checking status failed. (detail error code=<*aaa*>)

[Classification]   ERROR

[Explanation]   A failure was detected during wait mode process and volume state could not be obtained.

aaa   : Error code

The following show major error codes.

1	:	SCSI I/O failure
4	:	system error occurred
7	:	SCSI open failure
8	:	SCSI close failure
9	:	volume search error
48	:	volume list lock failure
49	:	volume list state error detection
53	:	freeze state detection
54	:	copy suspend state detection
55	:	replicate state detection
56	:	restore state detection
57	:	separate state detection
58	:	background copy state detection
61	:	memory allocation failure
63	:	foreground copy state detection

[Measures]   Take appropriate measures by identifying the error cause from the operation trace information and detailed error code.

368

iSM13556: SCSI I/O error has occurred.

[Classification]   ERROR

[Explanation]   SCSI I/O error has occurred.

[Measures]   A failure may be occurring in connection with disk array.   Check status of FC
connection and then retry processing.   If no problems are found in status of FC
connection, check the following for the specified volume.   Then retry
processing.
- A special file or physical disk exists for the volume.
- The volume is not set to Not Ready or Not Available.
- Volume list was updated to the newest information after the configuration of
the disk array or system was changed.
- The target volume was registered in the volume list.
If RemoteDataReplication is used, a fault may have occurred in the link path to
the disk array on the remote side or the disk array may be in the shutdown or
freeze state.   Check the state of the disk array on the remote side and the state of
the link path.

iSM13557: SCSI open has failed.

[Classification]   ERROR

[Explanation]   SCSI open error occurred.

[Measures]   Check that the user with the access right to the volume exists or that the disk
number corresponding to the specified volume exists, and execute it again.

iSM13558: SCSI close has failed.

[Classification]   ERROR

[Explanation]   SCSI close error occurred.

[Measures]   Check that the user with the access right to the volume exists or that the disk
number corresponding to the specified volume exists, and execute it again.

369

iSM13559: Parameter error occurred.

[Classification]   ERROR

[Explanation]   Parameter error occurred in the internal processing.

[Measures]   Collect information on operation trace

iSM13560: State of the specified ATgroup is unknown. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   State of the specified AT-group is unknown.
     aaa...a   :   Process number
     bbb...b   :   Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Processing to the specified AT-group is not permitted.

iSM13561: Platform of LD specified is unavailable.

[Classification]   ERROR

[Explanation]   The command was issued to the volume with OS type not supported.

[Measures]   Check the OS type and execute it again.

iSM13562:　RV is omitted.

[Classification]　　ERROR

[Explanation]　　RV was omitted for MV with the pair setting of multiple RVs.

[Measures]　　Specify RV and execute it again.

iSM13563:　System call error (error code=<*aaa*>)

[Classification]　　ERROR

[Explanation]　　It failed in system calling.

　　aaa　　　　：　System error number

[Measures]　　If the operation trace is collected, use the information in the operation trace and the error code to find the cause and remove it.

iSM13564:　This connection does not allow replicating & restoring at the same time.

[Classification]　　ERROR

[Explanation]　　The operation could not be executed because the upper or lower pair of the specified volume has already been in Replicate or Restore state.

[Measures]　　Make the upper or lower pair Separate, and execute it again.

371

iSM13565: Upper pair is not separated.

[Classification]　　ERROR

[Explanation]　　The activity state of the pair of the specified MV and the upper pair is not
Separate.

[Measures]　　Make the activity state of the upper pair separate state, and retry processing.
To replicate the target pair when the activity state of the upper pair is Replicate,
set the copy control mode on the target pair to the background copy mode and
replicate it.

iSM13566: Lower pair is not separated.

[Classification]　　ERROR

[Explanation]　　The activity state of the pair of the specified RV and the lower pair is not
Separate.

[Measures]　　Make the activity state of the lower pair separate state, and retry processing.
To replicate the target pair when the activity state of the lower pair is Replicate,
the copy control mode on the lower pair must be set to the background copy
mode in advance.

iSM13567: Specified Disk Array's status is 'freeze'.

[Classification]　　ERROR

[Explanation]　　The disk array where the specified MV or RV is stored is in the freeze state, or
the disk array on the remote side is in the freeze state when
RemoteDataReplication is used.

[Measures]　　Cancel the Freeze state and execute it again.

372

iSM13568: Target ATgroup is processing Atomic-break now. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   Request was rejected because atomic-break is operating on the specified

AT-group.

aaa...a   : AT-group name

bbb...b   : Process number

ccc...c   : Detailed information (This code is not disorder reason but a

value for maintenance.)

[Measures]   Check the state of the AT-group and the state of the pair registered in the

AT-group.   Take recovery action for continuing operation according to the

AT-group consistency state and sync state.   And also remove the cause of copy

fault.

373

iSM13569: Target ATgroup is replicating now. ATG=*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

iSM13569: Target pair is replicating now. (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   The specified pair is being replicated.   Or, the specified AT-group is in the replicate start (Rpl/start) or replicate execution (Rpl/exec) state.

aaa...a   : AT-group name

bbb...b   : Process number

ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Retry processing after the state becomes the replicate synchronous (Rpl/sync).

374

iSM13570: Target ATgroup is restoring now. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13570: Target pair is restoring now. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The specified pair is being restored.   Or, the specified AT-group is in the restore execution (Rst/exec) state.

    aaa...a   : AT-group name

    bbb...b   : Process number

    ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   If the target is a pair, resume processing after the sync state is established.   If it is an AT-group, retry processing after the state becomes Separated by sync state establishment.

375

iSM13571: Target ATgroup is separating now. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13571: Target pair is separating now. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The specified pair is being separated.   Or the specified AT-group is in the separate start (Sep/start) or separate execution (Sep/exec) state.

aaa...a   : AT-group name

bbb...b   : Process number

ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Retry processing after the separated state is established.

iSM13572: Target ATgroup is not suspended. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The sync state of the specified AT-group is not replicate suspend (Rpl/suspend) or restore suspend (Rst/suspend).

aaa...a   : AT-group name

bbb...b   : Process number

ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the AT-group, and retry replicate or restore if necessary.

376

iSM13573: Target ATgroup is not replicated. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13573: Target pair is not replicated or restored. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The activity state of the specified pair is not the Replicate or Restore state. Or, the sync state of the specified AT-group is not replicate synchronous.

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   If the target is a pair, retry processing when the activity state is replicate synchronous or sync state. If the target is an AT-group, make the AT-group replicate synchronous, and then re-execute the command.

iSM13574: Specified path (<*aaa...a*>) does not exist.

[Classification]   ERROR

[Explanation]   Specified path does not exist.

aaa...a   : Specified value

[Measures]   Check the path and retry it.

377

iSM13575:　Unexpected error occurred.

[Classification]　　ERROR

[Explanation]　　Message for an unexpected error.

[Measures]　　Check library version for the replication operation, and check firmware revision of disk array device.

iSM13576:　Targets may not be a pair, or unexpected error occurred.

[Classification]　　ERROR

[Explanation]　　Specified volume is not paired.　Or, it failed to obtain the pair activity state information.

[Measures]　　Retry after confirming the pair state of the specified volume.

iSM13577:　These targets are replicating now. MV:*<aaa...a>* RV:*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]　　ERROR

[Explanation]　　A non-executable replication operation command was performed for the pair in Replicate execution.
　　　　aaa...a　　　：　Volume name
　　　　bbb...b　　　：　Process number
　　　　ccc…c　　　：　Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Check the execution conditions of the specified command and execute it again.

378

iSM13578: These targets are separating now. MV:*<aaa...a>* RV:*<aaa...a>* (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)

[Classification]   ERROR

[Explanation]   A non-executable replication operation command was performed for the pair in Separate execution.

    aaa...a   : Volume name

    bbb...b   : Process number

    ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the execution conditions of the specified command and execute it again.

iSM13579: These targets are restoring now. MV:*<aaa...a>* RV:*<aaa...a>* (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)

[Classification]   ERROR

[Explanation]   A non-executable replication operation command was performed for the pair in Restore execution.

    aaa...a   : Volume name

    bbb...b   : Process number

    ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the execution conditions of the specified command and execute it again.

379

iSM13580: Target ATgroup is suspended now. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The sync state of the specified AT-group has become replicate suspend (Rpl/suspend) or restore suspend (Rst/suspend).

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the AT-group, and resume replicate or restore.

iSM13581: These targets have replicated. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13581: These targets have replicated. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   A command not allowed for replicated volume or AT-group was executed.

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check executing condition of the command and retry command execution.

380

iSM13582: These targets have separated. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13582: These targets have separated. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   A command not allowed for separated volume or AT-group was executed.

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check executing condition of the command and retry command execution.

iSM13583: These targets have restored. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   A command not allowed for restored volume was executed.

aaa...a	:	Process number
bbb…b	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check executing condition of the command and retry command execution.

381

iSM13584:　Not enough memory (*<aaa...a>*) errno=*<bbb>*

[Classification]　　ERROR

[Explanation]　　Insufficient memory to execute the process.

() and error number may or may not be displayed.

aaa...a　　　　:　Resource name

bbb　　　　　　:　Error number

[Measures]　　Add more memory to the system.

iSM13585:　Volume list is missing or unexpected error occurred. error code=*<aa>*

[Classification]　　ERROR

[Explanation]　　Processing is interrupted because the volume list table does not exist.

aa　　　　　:　Error code

　　　　　　-2:　　fopen() failure

　　　　　　-3:　　Internal error

　　　　　　-4:　　fread() failure

[Measures]　　Create the volume list table and re-execute.

iSM13586: Target ATgroup is fault. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The sync state of the specified AT-group has become failure separation (Fault).

        aaa...a   : AT-group name

        bbb...b   : Process number

        ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   This AT-group may have been forcibly separated by another process or it may have a fault.   Check the state of the AT-group, and re-execute replicate or restore.

iSM13587: Specified drive letter has already existed.

[Classification]   ERROR

[Explanation]   Specified drive has already existed.

        This message is output on Windows system.

[Measures]   Check the drive letter, and re-execute.

iSM13588: Specified ATgroup has already existed. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13588: Specified ATgroup has already existed. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The specified AT-group already exists.

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   A newly created AT-group must have a unique name in the system.

iSM13589: Specified ATgroup is not empty. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The specified AT-group has some registered pairs.

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   To delete an AT-group, all the registered pairs must be deleted in advance.

384

iSM13590: Specified ATgroup cannot be operated from this site. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   Operation of the specified AT-group cannot be executed from the current position.

AT-group binding is enabled on the concentrator side.

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the operation position, and re-execute the command from the position where the operation is possible.

iSM13591: Volume list error.

[Classification]   ERROR

[Explanation]   The volume list table is invalid.
Or, a volume list created by the iSMvollist command of a version that is older than Ver1.4 cannot be used for operation of AT-groups.

[Measures]   Create a new volume list table.

iSM13592:　Target ATgroup is not separated. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13592:　Target pair is not separated. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]　　ERROR

[Explanation]　　The activity status of the specified pair is not Separate.　Or, the specified AT-group sync state is not separated (Separated) or failure separation (Fault).

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　　If the target is a pair, retry processing when the activity state is separated.　If the target is an AT-group, make the AT-group separated (Separated) or failure separation (Fault) state, and then re-execute the command.

iSM13593:　Target ATgroup is not fault. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]　　ERROR

[Explanation]　　The specified AT-group sync state is not failure separation (Fault).

aaa...a	:	AT-group name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　　Check the state of the AT-group.　If you need to interrupt replicate or restore, forcibly separate it.

386

iSM13594: License for RemoteDataReplication /DisasterRecovery is locked. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   The product of RemoteDataReplication/DisasterRecovery is not purchased.

    aaa...a   : Process number

    bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   To perform the RemoteDataReplication/DisasterRecovery operation, purchase the RemoteDataReplication/DisasterRecovery product.

iSM13595: License for DynamicDataReplication is locked.

[Classification]   ERROR

[Explanation]   The DynamicDataReplication product has not been purchased.

[Measures]   To perform the DynamicDataReplication operations, purchase the DynamicDataReplication product.

iSM13596: License for RemoteDataReplication is locked.

[Classification]   ERROR

[Explanation]   The RemoteDataReplication product has not been purchased.

[Measures]   To perform the RemoteDataReplication operations, purchase the RemoteDataReplication product.

387

iSM13597: DynamicDataReplication is not supported.

[Classification]   ERROR

[Explanation]   The DynamicDataReplication function is not supported.

[Measures]   ReplicationControl cannot be used.

iSM13598: RemoteDataReplication is not supported.

[Classification]   ERROR

[Explanation]   The RemoteDataReplication function is not supported.

[Measures]   ReplicationControl cannot be used.

iSM13599: License for this command is locked.

[Classification]   ERROR

[Explanation]   The product function necessary to execute the command is not supported, or the license of the product is not unlocked.

[Measures]   Check whether the target unit supports the necessary product function and the license of the product has been unlocked.

388

iSM13600: Specified drive has multiple partitions/extents.

[Classification]   ERROR

[Explanation]   Specified physical disk is configured in multiple partitions, or logical volume in the specified volume disk is configured in multiple extensions (physical disk). This message is output on Windows system.

[Measures]   Physical disk status can be confirmed by Disk Management (Computer Management) for Windows. Settings for the replication operation option setting file (iSMrpl.ini) must be changed to execute operation for multiple partitions. However, operation for multiple extensions is not allowed.

iSM13601: Specified drive is not basic disk.

[Classification]   ERROR

[Explanation]   Specified drive is not a basic disk.
This message is output on Windows system.

[Measures]   Specify a basic disk and retry it.

iSM13602: Specified partitions is not primary/extended partition.

[Classification]   ERROR

[Explanation]   The partition to which the mount operation is executed is not primary or extended partition.
This message is output on Windows system.

[Measures]   Specify a primary or extended partitions and retry it.

389

iSM13603: Partition that specified drive character assigned has multiple partitions/extents.

[Classification]   ERROR

[Explanation]   Specified disk to which the drive letter is allocated is configured in multiple partitions, or volume in the disk is configured in multiple extensions (physical disk).
This message is output on Windows system.

[Measures]   Physical disk status can be confirmed by Disk Management (Computer Management) for Windows.   Settings for the replication operation option setting file (iSMrpl.ini) must be changed to execute operation for multiple partitions.   However, operation for multiple extensions is not allowed.

iSM13604: Specified partition does not exist.

[Classification]   ERROR

[Explanation]   Specified partition does not exist.
This message is output on Windows system.

[Measures]   Check the partition and re-execute.

iSM13605: Specified drive number does not exist.

[Classification]   ERROR

[Explanation]   Specified disk number does not exist.
This message is output on Windows system.

[Measures]   Check the specified physical drive and re-execute.

390

iSM13606: There is no authority to access the specified volume. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

iSM13606: There is no authority to access the specified pair. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   The operation could not be executed because access to the specified pair or volume is not permitted.

Operation using control volume requires that either the specified volume or the volume paired with the specified volume be made accessible from the business server by a function such as access control.

In remote operation of a pair of the disk array on the remote side, the effective range of pairs and volumes is one layer farther that is linked with the accessible volume from the business server. In remote operation, operation of the specified pair or volume is disabled when the disk array is in the state of shutdown or freeze, when a fault occurs on the link path between the disk arrays, or when the user does not have the function or the license of the product necessary for the disk array.

aaa...a   : Process number

bbb...b   : Detail information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check whether the specified volume is accessible from the server.

For remote operation of the pair of disk arrays on the remote side, check that the states of disk array and link path are normal. Both the disk arrays on the local side and remote side requires the function and license of RemoteDataReplication/DisasterRecovery product.

391

iSM13607: Specified disk type is not supported.

iSM13607: Specified drive type is not supported.

[Classification]   ERROR

[Explanation]   Specified disk or drive type is not supported.
This message is output on Windows system.

[Measures]   Check the formats of the specified disk and connected device and retry command
execution.
Partition disk with the GPT (GUID Partition Table) format cannot be used.

iSM13608: Specified partition has already mounted.

[Classification]   ERROR

[Explanation]   Specified partition has already been mounted.
This message is output on Windows system.

[Measures]   Check the specified partition and re-execute.

iSM13609: Access of specified disk was refused.

[Classification]   ERROR

[Explanation]   Access to the disk is refused.
This message is output on Windows system.

[Measures]   If there is any application accessing the specified disk, terminate the application,
and then re-execute.   Refer to the description on the unmount operation for the
"Data Replication User's Manual (Installation and Operation Guide for
Windows)".

iSM13610: Illegal drive number is specified.

[Classification]   ERROR

[Explanation]   The specified disk number is illegal.
This message is output on Windows system.

[Measures]   Specify a correct value.

iSM13611: RemoteDataReplication/Disaster Recovery is not supported. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   RemoteDataReplication/DisasterRecovery function is not supported.
Or, software supporting the RemoteDataReplication/DisasterRecovery function is not installed.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check that the disk array supports of RemoteDataReplication/DisasterRecovery function.   Prepare ReplicationControl/DisasterRecovery software and install it.

393

iSM13612: Specified ATgroup is empty. ATG=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The specified AT-group does not have any registered pair.

aaa...a   :   AT-group name

bbb...b   :   Process number

ccc...c   :   Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   For operation of an AT-group, a pair must be registered in advance.

iSM13613: Specified volume does not have signature. volume=<*aaa...a*>

[Classification]   ERROR

[Explanation]   The signature information of the specified disk does not exist.

This message is output on Windows system.

aaa...a   :   Physical disk number

[Measures]   Specify a correct value.

394

# iSM13614: Failed to read signature.
# iSM13614: Failed to read signature.
volume=*<aaa...a>*

[Classification]   ERROR

[Explanation]   The disk signature information could not be read.

              aaa...a   : Physical disk number

[Measures]   If a message is output immediately before this message, take measures according to the message.   If no message is output immediately before this message, check that no fault occurs on the volume and that it is readable, and then retry processing.

# iSM13615: Failed to read signature map file.
errno=<aaa>

[Classification]   ERROR

[Explanation]   The signature map file could not be read.

              This message is output on Windows system.

              aaa   : Error number

[Measures]   Take measures according to the message output immediately before this message.

iSM13616: ATgroup cannot be registered any more. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   No more AT-group can be registered.

aaa...a   : Process number

bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   No more AT-group can be registered because the number of registered AT-groups has already reached the maximum number of AT-groups that can be registered to the disk array.

iSM13617: Illegal ATgroup name. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The value specified as an AT-group name is invalid.

aaa...a   : Specified value

bbb...b   : Process number

ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a valid value.   Characters other than alphanumeric characters, hyphen (-), and slush (/) cannot be used for an AT-group name.

396

iSM13618: Specified volume does not exist in signature map file. volume=<*aaa...a*>

[Classification] ERROR

[Explanation] The specified disk does not exist in the signature map file.

This message is output on Windows system.

aaa...a : Physical disk number

[Measures] Specify a correct value.

iSM13619: Writing signature failed.
iSM13619: Writing signature failed. volume=<*aaa...a*>

[Classification] ERROR

[Explanation] The signature could not be written into the signature map file.

This message is output on Windows system.

aaa...a : Physical disk number

[Measures] Take measures according to the message output immediately before this message.

397

iSM13623: Signature file access has failed. filename=<aaa...a> errno=<bbb>

[Classification]   ERROR

[Explanation]   Access to the signature map file could not be made.

This message is output on Windows system.

aaa...a   : File name

bbb   : Error number

[Measures]   Take measures according to the message output immediately before this

message.

iSM13624: Specified volume has no mount point. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   The specified volume has no mount point (drive letter or NTFS folder name).

aaa...a   : Process number

bbb...b   : Detailed information (This code is not disorder reason but a

value for maintenance.)

[Measures]   The volume should have only one mount point (drive letter or NTFS folder

name). Check the volume status and operation procedures and re-execute.

398

iSM13625: Specified volume has more than one mount point. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   ERROR

[Explanation]   The specified volume has multiple mount points (drive letter or NTFS folder name).

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   The volume should have only one mount point (drive letter or NTFS folder name). Check the volume status and operation procedures and re-execute. Note that you can delete the mount point set to the volume by using the /D option for the MOUNTVOL command.

iSM13626: Signature file format is illegal. filename=*<aaa...a>*

[Classification]   ERROR

[Explanation]   The signature map file is in illegal format.

    This message is output on Windows system.

    aaa...a   : File name

[Measures]   Specify a correct signature map file.

399

iSM13627: Specified volume's signature does not exist in file. filename=*<aaa...a>*

[Classification]   ERROR

[Explanation]   The signature information of the specified disk does not exist in the signature map file.
This message is output on Windows system.
aaa...a   : File name

[Measures]   Specify a correct value.

iSM13629: Too long file name is specified.

[Classification]   ERROR

[Explanation]   The specified file name is too long.
This message is output on Windows system.

[Measures]   Specify a correct signature map file.   If the current signature map file is correct, change the file name.

iSM13630: Specified disk is read only.

[Classification]   ERROR

[Explanation]   Specified disk is read only.   Write operation is not executes.
This message is output on Windows system.

[Measures]   Change the RV access from the Replication Manager, or select a read/write-enable disk.

400

iSM13631: Failed to mount.

[Classification]   ERROR

[Explanation]   Failed to mount.
                  This message is output on Windows system.

[Measures]   Check the message displayed immediately before to handle it.

iSM13632: Failed to umount.

[Classification]   ERROR

[Explanation]   Failed to unmount.
                  This message is output on Windows system.

[Measures]   Check the message displayed immediately before to handle it.

iSM13633: Failed to flush.

[Classification]   ERROR

[Explanation]   Failed to execute buffer-flush for the file system.
                  This message is output on Windows system.

[Measures]   Check the message displayed immediately before to handle it.

401

iSM13634:　Failed to set drive letter. (*<aaa...a>*)
iSM13634:　Failed to set mount point. (*<bbb...b>*)

[Classification]　　ERROR

[Explanation]　　The drive letter or the NTFS folder mount point could not be set.

This message is output on Windows system.

aaa...a 　　　:　Drive letters
bbb...b 　　　:　Path

[Measures]　　Take measures according to the message output immediately before this

message.

iSM13635:　Failed to reset drive letter. (*<aaa...a>*)
iSM13635:　Failed to reset mount point. (*<bbb...b>*)

[Classification]　　ERROR

[Explanation]　　The drive letter or the NTFS folder mount point could not be canceled.

This message is output on Windows system.

aaa...a 　　　:　Drive letter
bbb...b 　　　:　Path

[Measures]　　Take measures according to the message output immediately before this

message.

402

iSM13636: Failed to initialize signature.

iSM13636: Failed to initialize signature. volume=*<aaa...a>*

[Classification]   ERROR

[Explanation]   The disk signature information could not be initialized.

This message is output on Windows system.

aaa...a   :   Physical disk number

[Measures]   Take measures according to the message output immediately before this

message.

iSM13637: Specified path (*<aaa...a>*) is not correct directory.

[Classification]   ERROR

[Explanation]   The volume is not mounted onto the specified mount point (drive letter or NTFS

folder name). Or, the mount point volume name does not match the mount point.

aaa...a   :   Mount point (drive letter or NTFS folder name)

[Measures]   Check the correspondence between the specified mount point volume name and

mount point, and re-execute the command.

Re-create the volume list if a mount point volume name or mount point status

does not match those in the volume list.

iSM13638: This OS version does not support specified function.

[Classification]   ERROR

[Explanation]   Specified option cannot be used on this OS.

This message is output on Windows system.

[Measures]   Check the target OS version.

403

iSM13639: Specified path is not normal status.

[Classification]   ERROR

[Explanation]   File or directory cannot be read.

This message is output on Windows system.

[Measures]   Check that the file or directory exists or access to the volume is permitted, and

retry command execution.

iSM13640: This iSM/Server version does not support necessary function. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)

iSM13640: This iSM/Server version does not support necessary function for *<ccc...c>*. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)

[Classification]   ERROR

[Explanation]   There is a function that is not supported by the iSM server in use.

aaa...a   : Process number

bbb…b   : Detailed information   (This code is not disorder reason but a

value for maintenance.)

ccc…c   : Function name

RemoteDataReplication : There is a function that is not

supported for the pair of

RemoteDataReplication.

[Measures]   Check the version of the iSM server.

If the version of the iSM server is older than that of ReplicationControl, upgrade

the version of the iSM server.

404

iSM13641: Firmware does not support necessary function.

iSM13641: Firmware does not support *<aaa...a>* function.

[Classification]	ERROR

[Explanation] Functions of firmware necessary are not supported.

aaa...a   : Function name

   signature   : Signature function

   separate(immediate)   : Separate (Quick Replicate) function

   separate(RDR immediate): Separate (Quick Replicate) function
                                          of RemoteDataReplication

   restore(rv-protection)   : Restore (protect) function

[Measures] Check for the target product, and update it.

iSM13642: Popen (ps command) has failed.

[Classification] ERROR

[Explanation] The I/O function of a pipe using the ps command could not be performed.

This message is output on UNIX system.

[Measures] Re-execute the command.

iSM13644: Failed to scan devices.

[Classification] ERROR

[Explanation] Failed to scan the device.

This message is output on Windows system.

[Measures] Check that there is no abnormality in the system and re-execute.

405

iSM13645: Target pair cannot be registered in specified ATgroup. MV=<*aaa...a*> RV=<*aaa...a*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

iSM13645: Target pair cannot be registered in specified ATgroup. ATG=<*bbb... b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   The specified pair cannot be registered in the AT-group.

To register a pair in an AT-group, the following conditions are required:

- The AT-group sync state is separated (Separated), failure separation (Fault), or no pair registered (Invalid).
- The pair sync state is separated (separated), forced separate (cancel), or failure separate (fault).
- The configuration of the pair must be RDR configuration.   RV in RDR configuration paired with MV must be only one.
- MV must be the top (PV) in relation with the related pairs, and it must not be paired with another MV as RV.
- Every MV of RDR configuration within the AT-group must belong to the same disk array.
- Every RV of RDR configuration within the AT-group must belong to the same disk array.
- The number of pairs registered in the AT-group must not exceed the limit (disk array specifications).

    aaa...a : Volume name

    bbb...b : AT-group name

    ccc...c : Process number

    ddd…d : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the state of the AT-group, the state of the specified pair, and configuration of the pair, and then re-execute the command.   If the number of pairs registered in the AT-group has already reached the limit, a new pair cannot be registered any more.

406

iSM13646: Specified mv volume is mounted. path=<*aaa...a*>

[Classification]   ERROR

[Explanation]   The MV has been mounted.

This message is output on UNIX system.

aaa...a   :   Path name of MV (special file name, volume path name, etc.)

[Measures]   Unmount the MV, and then re-execute the command.

iSM13647: These targets are not replicating now. MV:<*aaa...a*> RV:<*aaa...a*>

[Classification]   ERROR

[Explanation]   Specified pair is not in the replication status.

aaa...a   :   Volume name

[Measures]   Check the pair operation status and re-execute

iSM13648: These targets are not separating now. MV:<*aaa...a*> RV:<*aaa...a*>

[Classification]   ERROR

[Explanation]   Specified pair is not in the separation status.

aaa...a   :   Volume name

[Measures]   Check the specified pair operation status and re-execute

407

iSM13649: These targets are not restoring now. MV:*<aaa...a>* RV:*<aaa...a>*

[Classification]   ERROR

[Explanation]   Specified pair is not in the restoration status.

    aaa...a   : Volume name

[Measures]   Check the specified pair operation status and re-execute

iSM13650: Target pair is a member of ATgroup. MV=*<aaa...a>* RV=*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   The specified pair is already registered in the AT-group.

    Pairs registered in an AT-group are not individually manipulable.

    RDR configuration cannot be set additionally to pairs registered in an AT-group.

    Pairs registered in an AT-group cannot be unpaired or forcibly unpaired.

    aaa...a   : Volume name

    bbb...b   : Process number

    ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the specified volume, and retry processing.

    Or, specify the AT-group, and perform operation by manipulating it.

    Otherwise, delete the pair registration from the AT-group, and then unpair or forcibly unpair the target.

408

iSM13651: Target pair is already registered in other ATgroup. MV=<*aaa...a*> RV=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

iSM13651: Target pair is already registered in specified ATgroup. MV=<*aaa...a*> RV=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The specified pair is already registered in another AT-group.   A pair cannot be registered in multiple AT-groups at the same time.

aaa...a	:	Volume name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the specified volume, and then retry processing.
Or, unpair the target from the AT-group, and re-execute the command.

iSM13652: Target pair is not registered in specified ATgroup. MV=<*aaa...a*> RV=<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The specified pair is not registered in the AT-group.

aaa...a	:	Volume name
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the specified AT-group or volume, and retry processing.

409

iSM13653:　Illegal mode type. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]　　ERROR

[Explanation]　　The value specified in the mode option of the Restore command is illegal.

　　aaa...a　　　:　Specified value

　　bbb...b　　　:　Process number

　　ccc…c　　　:　Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a correct value.

iSM13654:　Illegal rvuse type. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]　　ERROR

[Explanation]　　The value specified in the rvuse option of the Separate command is illegal.

　　aaa...a　　　:　Specified value

　　bbb...b　　　:　Process number

　　ccc…c　　　:　Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a correct value.

iSM13655: Illegal condition type. (*\<aaa...a\>*) (code=*\<bbb...b\>-\<ccc...c\>-\<ccc...c\>-\<ccc...c\>*)

[Classification]   ERROR

[Explanation]   The value specified in the cond option of the Wait command is illegal.

    aaa...a   : Specified value

    bbb...b   : Process number

    ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value.

iSM13656: Illegal value of -interval [second]. (*\<aaa...a\>*) (code=*\<bbb...b\>-\<ccc...c\>-\<ccc...c\>-\<ccc...c\>*)

[Classification]   ERROR

[Explanation]   The value specified in the interval option of the Wait command is illegal.

    aaa...a   : Specified value

    bbb...b   : Process number

    ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value.

411

iSM13657: Illegal value of -limit [second]. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   The value specified in the limit option of the Wait command is illegal.

aaa...a	:	Specified value
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value.

iSM13658: Wait command has terminated because it has reached the time limit which is specified by the limit option. (*<aaa>* sec) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   The time limit specified in the limit option of the wait command arrived, and the wait process was discontinued.

aaa	:	Time limit
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Re-execute the Wait command.

412

iSM13659: Specified targets are not ready. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

iSM13659: Specified targets are not available. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified volume is unavailable.

aaa...a   : Process number

bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   The volume is specified under the Read Only, Not Ready, or Not Available status.   Check status of volume and retry command execution.

413

iSM13660:　Replicate command has terminated because "activity status" is changed by other process.

iSM13660:　Replicate command has terminated because "ATgroup Sync State" is changed by other process. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)

[Classification]　ERROR

[Explanation]　Activity status of a pair has changed to status other than Replicate during waiting process for completion of replication.　The replication command has terminated waiting for completion of replication.　Or, the waiting is terminated because the AT-group sync state changed to another state than replicate synchronous (Rpl/sync) from replicate execution (Rpl/exec) during waiting process for completion of replication.

aaa...a　　：Process number

bbb…b　　：Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　If the target is a pair, another process may have manipulated this pair.　If it is an AT-group, this AT-group may have had its sync state manipulated by another process or it may have failure.　Check status of pair or AT-group.　If replication is required, retry executing the replication command.

414

iSM13661: Restore command has terminated because "activity status" is changed by other process.

iSM13661: Restore command has terminated because "ATgroup Sync State" is changed by other process. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Activity status of a pair has changed to status other than Restore during waiting process for completion of restoration.   The restore command has terminated waiting for completion of restoration.   Or, the waiting is terminated because the AT-group sync state changed to another state than separated (Separated), which is concurrent with completion of restoration, from restore execution (Rst/exec) during waiting process for completion of restoration.

[Measures]   If the target is a pair, another process may have manipulated this pair.   If it is an AT-group, this AT-group may have had its sync state manipulated by another process or it may have a fault.   Check status of pair or AT-group.   If restoration is required, retry executing the restore command.

415

iSM13662: Separate command has terminated because "activity status" is changed by other process.

iSM13662: Separate command has terminated because "ATgroup Sync State" is changed by other process. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)

[Classification]   ERROR

[Explanation]   Activity status of a pair has changed to status other than Separate during waiting process for completion of separation.   The separate command has terminated waiting for completion of separation.   Or, the waiting is terminated because the AT-group sync state changed to another state than separated (Separated) from separate execution (Sep/exec) during waiting process for completion of separation.

aaa...a   : Process number
bbb…b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   If the target is a pair, another process may have manipulated this pair.   If it is an AT-group, this AT-group may have had its sync state manipulated by another process or it may have a fault.   Check the state of the pair or the AT-group, and separate it by Forced Separate if necessary.   If it is required that the consistency of the data on the RV should be kept when the target is separated, you have to do it all over again from replication.

416

iSM13663: The processing of waiting has terminated because "separate diff" or "copy diff" does not decrease in the specified time. (<*aaa*> sec) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   The waiting process for completion of replication, restoration, or separation has been terminated before completion because the copy difference of the pair or the differential quantity volume of the AT-group did not decrease in the specified time.

aaa	:	Specified value
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   The possible causes are a link failure of the disk array and delay of copy processing or data transfer due to heavy I/O load or another factor.   Check the state of the disk array and AT-group.

417

iSM13664: Wait command has terminated because "ATgroup Sync State" is changed by other process. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   The waiting process for completion of synchronization or separation has been terminated before completion because an error in the AT-group sync state as described below has been detected.

- An error has been detected in the link path of the AT-group.

  Normal link path does not exist any more.

  Differential quantity of volume of the AT-group has become an invalid value.

- The AT-group sync state has changed to:

  Invalid state with no pair registered (Invalid)

  Failure separation (Fault)

  Restore suspend (Rst/suspend)

  Replicate suspend (Rpl/suspend)

aaa...a   : Process number

bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   This AT-group may have had its sync state manipulated by another process or it may have a fault.   Check the state of the AT-group, and separate it by Forced Separate if necessary.   If it is required that the consistency of the data on the RV should be kept when the target is separated, you have to do it all over again from replication.

418

iSM13669: SnapControl is not installed. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   SnapControl has not been installed.

    aaa...a   : Process number

    bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Install SnapControl.

iSM13670: ReplicationControl is not installed. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   ReplicationControl has not been installed.

    aaa...a   : Process number

    bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Install ReplicationControl.

iSM13671: License for DynamicSnapVolume is locked. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   The license for DynamicSnapVolume has not been unlocked.

    aaa...a   : Process number

    bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Unlock the license for disk array.

419

iSM13672: DynamicSnapVolume is not supported. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   ERROR

[Explanation]   DynamicSnapVolume is not supported.

aaa...a   : Process number

bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the support state of the disk array.

iSM13673: Specified attribute (*<aaa...a>*) does not match the attribute of ATgroup. ATG=*<bbb...b>* (code=*<ccc...c>-<ddd...d>-<ddd...d>-<ddd...d>*)

[Classification]   ERROR

[Explanation]   The specified attribute does not match the attribute of the AT-group.   To specify the atomic-break mode or copy mode at restart of replication, the attribute must match the value specified at start of replication.

aaa...a   : Specified attribute value

bbb…b   : AT-group name

ccc…c   : Process number

ddd…d   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify the same value for the atomic-break mode or copy mode as the value specified at start of replication.   Otherwise, omit specification of the atomic-break mode or copy mode, and then re-execute the command.

420

iSM13674: Specified volume is used by snapshot function. *<aaa...a>:<bbb...b >* *(code=<ccc...c>-<ddd...d>-<ddd...d>-< ddd...d>)*

[Classification]   ERROR

[Explanation]   Snapshot operation is taking place in the specified volume.

aaa...a   :   Character string indicating MV or RV

MV :   MV volume

RV :   RV volume

bbb...b   :   Volume name (logical disk name)

ccc...c   :   Process number

ddd...d   :   Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the snapshot status of specified volume and re-execute. Replication and restore operations cannot be performed while you are restoring snapshot to MV. You can perform restore operation only when all MV-related snapshots are inactive (snap/inactive).

iSM13675: Failed to umount of metafile volume.

[Classification]   ERROR

[Explanation]   Unmounting of metafile volume failed.

[Measures]   Other program is using the applicable volume.   Terminate the program, execute iSMrc_umount, and then disconnect the volume.

421

iSM13676: Failed to sql server connection.

[Classification]   ERROR

[Explanation]   Connection of Microsoft SQL Server 2000 failed.

[Measures]   Microsoft SQL Server 2000 service may have not started.   Check that the service started and retry command execution.   Or, if a user ID is specified upon execution of a command, the specified user ID and password are used for connecting to Microsoft SQL Server 2000.   However, if a user ID is omitted, user name and password of Windows login account are used for connection. Check that the user ID and password are correct, and then retry command execution.

iSM13677: Backup set name is too long. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*< ccc...c>*)

[Classification]   ERROR

[Explanation]   The specified backup set name is too long.
aaa...a   : Specified value
bbb…b   : Process number
ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Enter the backup set name correctly and retry the processing.

iSM13678: Description is too long. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*< ccc...c>*)

[Classification]   ERROR

[Explanation]   Description for the specified backup set is too long.
aaa...a   : Specified value
bbb…b   : Process number
ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Enter description for the backup set correctly and retry the processing.

422

iSM13679: Illegal remod type. (<*aaa...a*>)

[Classification] ERROR

[Explanation] A value specified for -remod option is invalid.
aaa...a : Specified value

[Measures] Specify a valid value.

iSM13680: Illegal refile name. (<*aaa...a*>)

[Classification] ERROR

[Explanation] A value specified for -refile option is invalid.
aaa...a : Specified value

[Measures] Specify a valid value.

iSM13681: Specified volume differs from database volume. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification] ERROR

[Explanation] Volume specified by MV or BV is different than a volume in which a target database has been created.
aaa...a : Process number
bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] Specify a volume in which a database has been created to MV or BV.

423

iSM13682: Failed to VDI initialization.

[Classification]   ERROR

[Explanation]   Initial process of VDI failed.

[Measures]   Check that VDI is available in given environment, and then retry command
execution.

iSM13683: No authority to access database.

[Classification]   ERROR

[Explanation]   No authority to access database is given.

[Measures]   Check that authority to access database is given.   Check that database is not
under restoration or under verification.

iSM13684: Failed to get database name list.

[Classification]   ERROR

[Explanation]   Failed in obtaining database name list.

[Measures]   Check that authority to access database is given.   Check that database is not
under restoration or under verification.

iSM13685: Failed to sql connection initialization.

[Classification]   ERROR

[Explanation]   Failed in initializing SQL connection.

[Measures]   Check the environment allows use of ODBC, and then retry command execution.

424

iSM13686: Failed to metafile (<aaa...a>) creation.

[Classification]   ERROR

[Explanation]   Failed in creating metafile.
              aaa...a   : File name

[Measures]   Check that specified metafile is correct and retry command execution.

iSM13687: Metafile(<*aaa...a*>) is not found.

[Classification]   ERROR

[Explanation]   Specified metafile is not found.
              aaa...a   : File name

[Measures]   Check that specified metafile is correct and retry command execution.

iSM13688: Failed to metafile(<*aaa...a*>) open.

[Classification]   ERROR

[Explanation]   Failed in opening metafile.
              aaa...a   : File name

[Measures]   Check that specified metafile is correct and retry command execution.

iSM13689: Failed to snapshot execution. code=<*aaa...a*>

[Classification]   ERROR

[Explanation]   Failed in executing snapshot.
              aaa...a   : Error message number notified from Microsoft SQL Server 2000 (decimal)

[Measures]   For error message number, refer to Microsoft SQL Server 2000 Books online. Check error log of Microsoft SQL Server 2000, remove cause of fault and then retry command execution.

425

iSM13690: Failed to sql command execution.

[Classification]　　ERROR

[Explanation]　　Failed in SQL command.

[Measures]　　Check error log of Microsoft SQL Server 2000, remove cause of fault and then retry command execution.

iSM13691: Dbname does not exist in SQL server.

[Classification]　　ERROR

[Explanation]　　Database name does not exist in Microsoft SQL Server 2000.

[Measures]　　Check that database name is correct, and then retry command execution.

iSM13692: Specified volume has multiple databases.

[Classification]　　ERROR

[Explanation]　　Two or more databases exist in one volume.　Or, the target volume has an unspecified database.

[Measures]　　Create only one database on one volume.　Or, specify each and every database on the volume for executing snapshot backup or snapshot restore.

iSM13693: Metafile is existing in the same volume as the database.

[Classification]　　ERROR

[Explanation]　　A metafile exist in the same volume that is used by database.

[Measures]　　Specify a metafile in different volume than that used by database.

426

iSM13694: Database (*<aaa...a>*) is being used in another process.

[Classification]   ERROR

[Explanation]   Database is used by other process.
aaa...a   :   Database name

[Measures]   Check that other process is not using the database and then retry command execution.

iSM13695: Failed to detach database.

[Classification]   ERROR

[Explanation]   Detaching database failed.

[Measures]   Check that detaching database is allowed and then retry command execution.

iSM13696: Failed to get database volume from metafile.

[Classification]   ERROR

[Explanation]   Obtaining volume from metafile failed.

[Measures]   Check that metafile is correct and then retry command execution.

iSM13697: Not found database file.

[Classification]   ERROR

[Explanation]   Physical file in database is not found.

[Measures]   Check that the physical file exists and then retry command execution.

427

iSM13698: Database filename does not exist in metafile.

[Classification]　ERROR

[Explanation]　File name of database does not exist in metafile.

[Measures]　Check that specified file name indicates a physical file of database and then retry command execution.

iSM13699: Number of move files are not equal to metafile's number.

[Classification]　ERROR

[Explanation]　The number of files specified by -move option is not the same as the number of files in database.

[Measures]　Check that the number of specified files is the same as the number of physical files in database, and then retry command execution.

iSM13700: Failed to execute command.

iSM13700: Failed to execute command. (mv=<*aaa...a*>, rv=<*aaa...a*>)

[Classification]　ERROR

[Explanation]　Command execution failed.
aaa...a　　　:　Volume name

[Measures]　Take measures with reference to a message that was output immediately before this message.

428

iSM13701: 'R/W permit' mode cannot be set when state is 'rpl/sync', 'rpl/exec', 'rst/sync', 'rst/exec' or 'sep/exec'. (code=<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>)

[Classification] ERROR

[Explanation] R/W Permit mode cannot be specified because the system is under status of replicated, executing replication, restored, executing restoration, or executing separation.

aaa...a	:	Process number
bbb...b	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] For specifying R/W, check that the system is under separated status and then retry command execution.

iSM13702: Specified 'Background copy level' is incorrect. (level=<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification] ERROR

[Explanation] Invalid value has been specified for copy level.

aaa...a	:	Specified values
bbb...b	:	Process number
ccc...c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] Specify correct value for copy level and then retry command execution.

429

iSM13703: Failed to connect iSM/Server. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>- <*bbb...b*>)

[Classification]   ERROR

[Explanation]   Socket connection failed

 aaa...a : Process number

 bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check status of iSM server.

iSM13704: The unexpected error has occurred in iSM/Server. (code=<*aaa...a*>- <*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   An unexpected error occurred.

 aaa...a : Process number

 bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Abnormality was found in message from iSM server.   Check status of iSM server.

iSM13705: Receive data is incorrect. Data mismatch may has occurred in iSM/Server. (code=<*aaa...a*>- <*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Received data is invalid.   Data inconsistency may exist in server.

 aaa...a : Process number

 bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Abnormality was found in message from iSM server.   Check status of iSM server.

430

iSM13706: No more RV can be paired with specified MV. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification] ERROR

[Explanation] Pair setting is unavailable because the number of pairs in specified MV exceeds upper limit.

aaa...a : Process number

bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] Check status of specified MV, and then specify pairs correctly.

iSM13707: Specified RV has already paired with other MV. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification] ERROR

[Explanation] Pair setting is unavailable because specified RV has been specified for a pair with other MV.

aaa...a : Process number

bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] Check status of specified RV, and then specify pairs correctly.

iSM13708: Specified pair will build loop structure. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification] ERROR

[Explanation] Specified volume results in loop structure of pairs

aaa...a : Process number

bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] Specify volume correctly so that it does not result in loop structure of pairs

431

iSM13709: Conflict of volume list data has been detected. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]　ERROR

[Explanation]　Inconsistency was found in volume list.
aaa...a　　　：Process number
bbb...b　　　：Detailed information (This code is not disorder reason but a
　　　　　　　value for maintenance.)

[Measures]　Create a volume list again.

iSM13710: Capacity of specified volumes does not match. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]　ERROR

[Explanation]　Pair setting is not allowed because volume capacities are different from each
other.
aaa...a　　　：Process number
bbb...b　　　：Detailed information (This code is not disorder reason but a
　　　　　　　value for maintenance.)

[Measures]　Check volume capacity.

iSM13711: OS type of specified volumes does not match. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]　ERROR

[Explanation]　OS type of specified values does not match with each other.
aaa...a　　　：Process number
bbb...b　　　：Detailed information (This code is not disorder reason but a
　　　　　　　value for maintenance.)

[Measures]　Check OS type.

432

iSM13712: Some link paths which belong to specified Disk Array are not normal state. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   ERROR

[Explanation]   An error has been detected in some link paths among disk arrays.
aaa...a   : Process number
bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check link path status of disk array.

iSM13713: Specified Disk Array is not managed by iSM. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   ERROR

[Explanation]   Specified disk array is not under control of iSM.
aaa...a   : Process number
bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check that specified disk array is under management of iSM.

433

iSM13714: Disk Array includes specified volume is not managed by iSM. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Necessary information could not be obtained because the disk array including the specified volume is not managed by iSM.

aaa...a   :   Process number

bbb...b   :   Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check that specified disk array is under management of iSM.

iSM13715: Disk Arrays managed by iSM do not exist. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified disk array does not exist.

aaa...a   :   Process number

bbb...b   :   Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check disk array name and input a correct name.

iSM13716: State of specified Disk Array is not 'freeze'. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified disk array is under "defreeze" status.

aaa...a   :   Process number

bbb...b   :   Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the status of the disk array.

434

iSM13717: Control path is not set to iSM/Server. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   I/O path for disk array is not specified to use iSM server (replication management function).

    aaa...a   : Process number

    bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specified option is available only when I/O path for disk array is specified to use iSM server (replication management function).

Check environment settings of ReplicationControl.

iSM13718: Specified Disk Array does not exist. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified disk array does not exist.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check disk array name and then retry command execution.

iSM13719: Specified Disk Array name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified disk array name is tool long.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Input a correct disk array name and then retry command execution.

435

iSM13720: License for DynamicDataReplication/ RemoteDataReplication is locked. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>- <*bbb...b*>)

[Classification]   ERROR

[Explanation]   License for DynamicDataReplication or RemoteDataReplication is not unlocked.

    aaa...a   : Process number

    bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Unlock the license of disk array.

iSM13721: DynamicDataReplication/Remote DataReplication is not supported. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>- <*bbb...b*>)

[Classification]   ERROR

[Explanation]   DynamicDataReplication or RemoteDataReplication is not supported.

    aaa...a   : Process number

    bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check supporting status of disk array.

iSM13722: Specified volume does not exist in Logical disk list. (code=<*aaa...a*>- <*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified volume does not exist in logical disk list.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check specified volume name and then retry command execution.

436

iSM13723: State of Disk Array includes specified volume is 'monitoring stop'. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>- <*bbb...b*>)

[Classification]   ERROR

[Explanation]   Monitoring on disk array of specified volume has been stopped.

aaa...a   : Process number

bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Start monitoring on disk array.

iSM13724: Failed to receive volume information. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>- <*bbb...b*>)

[Classification]   ERROR

[Explanation]   Obtaining volume information failed.

aaa...a   : Process number

bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check specified volume name and then retry command execution.

iSM13725: Disk Arrays can be available to replication does not exist. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Disk array to be monitored does not exist, or disk array applicable to data replication function does not exist.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check that disk array is monitored, or that data replication function is available.

iSM13726: Volume information error has detected in iSM/server. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Volume information is invalid.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check status of iSM server and disk array.

438

iSM13727: Attribute of specified volume is '*<aaa...a>*'. *<bbb...b>:<ccc...c>* (code=*<ddd...d>-<eee...e>-<eee...e>-<eee...e>*)

[Classification]   ERROR

[Explanation]   The following attributes are added to the specified volume.

    aaa...a   : Volume attribute

        reserve: Volume with a reserve attribute (registered in a reserve group)

        BV: Volume with a BV attribute

        SV: Volume with an SV attribute

        LV: Volume with an LV attribute

        SDV: Volume with an SDV attribute

    bbb...b   : Character string indicating MV or RV

        MV: Volume with an MV attribute

        RV: Volume with an RV attribute

    ccc...c   : Volume name (logical disk name)

    ddd...d   : Process number

    eee...e   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   The specified volume cannot be specified as a pair.

iSM13728: Failed to execute command. (part of targets)

[Classification]   ERROR

[Explanation]   Operations on some pairs failed.

[Measures]   Check status of pairs with failed operation and then retry command execution.

439

iSM13729: Failed to execute command. (all of targets)

[Classification]   ERROR

[Explanation]   Operations on all pairs failed.

[Measures]   Check status of pairs with failed operation and then retry command execution.

iSM13730: RV of specified pair has already forced to be unpaired. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   RV of specified pair has already been unpaired forcibly.
aaa...a   : Process number
bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check status of specified pairs.

iSM13731: Disk Array of specified pair are not linked each other. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified volume does not allow pair setting.
aaa...a   : Process number
bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check that operation is allowed for disk array of specified volume.

440

iSM13732: Capacity of *<aaa...a>* license is insufficient. (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   Licensed capacity is insufficient.

aaa...a   :   License name in question

                     DynamicDataReplication

                     RemoteDataReplication

                     RemoteDataReplication/DisasterRecovery

bbb...b   :   Process number

ccc...c   :   Detailed information (This code is not disorder reason but a

                     value for maintenance.)

[Measures]   Increase the licensed capacity and then retry command execution.

iSM13734: Specified MV has already paired with other volume on same Disk Array as RV. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)

[Classification]   ERROR

[Explanation]   Specified MV has already been paired as RV within the same disk.

aaa...a   :   Process number

bbb...b   :   Detailed information (This code is not disorder reason but a

                     value for maintenance.)

[Measures]   Check status of specified MV and specify pairs correctly.

441

iSM13735: Specified RV has already paired with other volume on same Disk Array as MV. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified RV has already been paired as MV within the same disk.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check status of specified RV and specify pairs correctly.

iSM13736: Failed to open target-control volume list data. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Opening of target-control volume list failed.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   A target-control volume list may be invalid.   Create a target-control volume list again.

iSM13737: Failed to close target-control volume list data. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Closing of target-control volume list failed.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   A target-control volume list may be invalid.   Create a target-control volume list again.

442

iSM13738: Target-control volume list data has invalid data.

[Classification]   ERROR

[Explanation]   Target-control list contains invalid information.

[Measures]   Create a target-control volume list again.

iSM13739: Control volume is not found.

[Classification]   ERROR

[Explanation]   Control volume is not found.

[Measures]   Check that control volume definition file is described correctly, and then create a target-control volume list again.

iSM13740: Failed to open control volume in Diagnostic mode.

[Classification]   ERROR

[Explanation]   Control volume cannot be opened in Diagnostic mode.

[Measures]   Check that LVM has not been activated on control volume or has not been opened in Diagnostic mode by other application, and then retry command execution.

443

iSM13741: Failed to create socket. (code=<*aaa...a*>-<*bbb...b*>-<*ccc...c*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Socked creation failed.

    aaa...a   : Process number

    bbb...b-ccc…c-ddd…d : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   With reference to error number indicated by ddd...d in detailed information, remove cause of error and retry command execution.

iSM13742: Failed to send to iSM/Server. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Message transmission to iSM server failed.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check status of communication with iSM server.

444

iSM13743: Failed to receive from iSM/Server. (code=<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>)

[Classification]   ERROR

[Explanation]   Message reception from iSM server failed.

    aaa...a   : Process number

    bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check status of communication with iSM server.

iSM13744: Specified <*aaa...a*> is duplicated. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   Specified volume exists in duplication.

    aaa...a   : Volume number

    bbb...b   : Process number

    ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check specified volume mane.

445

iSM13745: Illegal value of port number. <aaa...a> (code=<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>)

[Classification]   ERROR

[Explanation]   Invalid value has been specified for socket port number.

aaa...a   : Socket port number

bbb...b   : Process number

ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct socket port number.

iSM13746: Illegal OS type. *<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   Invalid OS type has been specified for volume.

aaa...a   : OS type

bbb...b   : Process number

ccc...c   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct OS type for volume.

iSM13747: Specified Disk Array does not have link information. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)

[Classification]   ERROR

[Explanation]   Link information does not exist for specified disk array.

aaa...a   : Process number

bbb...b   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check a specified disk array name.

446

iSM13748: Failed to *<aaa...a>*(*<bbb...b>*). drive letter (*<ccc...c>*) (code=*<eee...e>*-*<fff...f>*-*<fff...f>*-*<fff...f>*)

iSM13748: Failed to *<aaa...a>*(*<bbb...b>*). mount point volume (*<ddd...d>*) (code=*<eee...e>*-*<fff...f>*-*<fff...f>*-*<fff...f>*)

[Classification]   ERROR

[Explanation]   Operations on volume failed.

aaa...a	:	Executed Operations	
		replicate	: Replicate
		restore	: Restore
		unmount	: Unmount
bbb...b	:	Volume Operations	
		mount	: Mount volume
		umount	: Unmount volume
		lock	: Lock volume
		unlock	: Unlock volume
		mountvol(p)	: Delete mount point of volume and unmount volume
ccc...c	:	Drive letter	
ddd...d	:	Mount point volume name	
eee...e	:	Process number	
fff…f	:	Detailed information (This code is not disorder reason but a value for maintenance.)	

[Measures]   Check the status of the volume on which operation failed, mount point volume name, and the mount point status.   Then, execute operation on the volume again.

447

iSM13749: Volume list data is locked by another process. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Volume list data has been created/modified by other process.

aaa...a   : Process number

bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   After completion of a process, retry command execution.

iSM13750: Volume list data does not exist. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Volume list data does not exist.

aaa...a   : Process number

bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Create a volume list, and then retry command execution.

448

iSM13751: Volume type is not ld. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification] ERROR

[Explanation] Specified volume type is not logical disk.

aaa...a : Process number

bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] Check a specified volume type. Operations linked with replication management allow specifying logical disk name only.

iSM13752: Timeout error has occurred in iSM/Server. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification] ERROR

[Explanation] Time-out occurred in process of iSM server.

aaa...a : Process number

bbb...b : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures] Loads on iSM server may be too heavy. Check status of iSM server and retry command execution.

449

iSM13753: Disconnected from iSM/Server. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Connection with iSM server was disconnected.

aaa...a   : Process number

bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Operations of iSM server may have stopped.   Check status of iSM server.

iSM13754: Replication function of iSM/Server is not ready. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Replication function of iSM/Server is being activated, and is not ready.

aaa...a   : Process number

bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Wait a while and then retry command execution.

450

iSM13755: Command issue to *<aaa...a>* failed. (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   Issuing operation command failed.

    aaa...a   : Volume that failed in issuing operation command (MV, RV, or MV/RV)

    bbb...b   : Process number

    ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Take measures with reference to a message that was output immediately after this message.

iSM13761: Illegal bvflg type. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   Specified BV type is invalid.

    aaa...a   : Specified value

    bbb...b   : Process number

    ccc...c   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value.

451

iSM13762: Illegal svflg type. (*<aaa...a>*) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)

[Classification]   ERROR

[Explanation]   Specified SV type is invalid.

aaa...a   : Specified value

bbb...b   : Process number

ccc...c   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value.

iSM13763: SV is omitted. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   ERROR

[Explanation]   SV was omitted for BV related with multiple SVs.

aaa...a   : Process number

bbb...b   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify SV and re-execute.

iSM13764: RV or SV is omitted. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   ERROR

[Explanation]   RV or SV was omitted for the volume (MV and BV) related with RV and SV.

aaa...a   : Process number

bbb...b   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify RV or SV and re-execute.

452

iSM13765: Replication and snapshot function are mixed in specified pairs. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   ERROR

[Explanation]   The data replication function pair and snapshot function pair are both specified.

    aaa...a   : Process number

    bbb...b   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   The data replication function pair and snapshot function pair cannot be both specified as operation target. Review pair specification and re-execute.

iSM13766: Illegal option value was specified. (*<aaa...a>*) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)

[Classification]   ERROR

[Explanation]   Specified option is invalid.

    aaa...a   : Specified value

    bbb...b   : Process number

    ccc...c   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct option.

453

iSM13767: Illegal volume type is specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Specified volume type is invalid.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc...c	:	Process number
ddd...d	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct volume type and re-execute.

iSM13768: Illegal option value was specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Specified value is invalid.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc...c	:	Process number
ddd...d	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Correct the file and re-execute.

454

iSM13769: Specified volume does not match the database volume. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   The volume specified for MV or BV does not match the volume containing the target database.

    aaa...a   : Process number

    bbb...b   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check whether the specified volume is correct and whether you have specified the exact amount of volume and re-execute.

iSM13770: State of specified pair is invalid. (state=<*aaa...a*>) [BV:<*bbb...b*>] [SV:<*ccc...c*>] (code=<*ddd...d*>-<*eee...e*>-<*eee...e*>-<*eee...e*>)

[Classification]   ERROR

[Explanation]   Target pair status is invalid.

    aaa...a   : Target pair status

        Not snap/active.   : Snapshot is not established.

        snap/deleting or rst/exec.   : Snapshot is being deleted or restored.

    bbb...b   : BV logical disk name

    ccc...c   : SV logical disk name

    ddd...d   : Process number

    eee...e   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the specification and status of pair and re-execute.

455

iSM13771: Specified volume is under restoration. [BV:*<aaa...a>*] (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   Specified volume is being restored.

aaa...a	:	BV logical disk name
bbb...b	:	Process number
ccc...c	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the pair status and that restore is completed and re-execute.

iSM13772: The volume under deletion exists. [BV:*<aaa...a>*] (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   The SV currently being deleted exists.

aaa...a	:	BV logical disk name
bbb...b	:	Process number
ccc...c	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the pair status and that deletion is completed and re-execute.

456

iSM13773: Specified volume is linked from LV. [{BV|SV}:<*aaa...a*>] (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   BV or SV is linked to LV.

aaa...a	:	BV or SV logical disk name
bbb...b	:	Process number
ccc...c	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the pair status, remove the link (unlink), and re-execute.

iSM13774: Specified volume is protected by SV guard. [SV:<*aaa...a*>] (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   SV protection is specified for specified SV.

aaa...a	:	SV logical disk name
bbb...b	:	Process number
ccc...c	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the pair and SV statuses, deactivate the SV protection, and re-execute.

457

iSM13775: Deleting snapshot has terminated because "Snap State" is changed by other process. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Processing has terminated because the snapshot activity state changed from the deletion state (snap/deleting) during snapshot deletion.

aaa...a   :   Process number

bbb...b   :   Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Another process might operate the snapshot pair. Check the snapshot activity state and re-execute.

iSM13776: Restoring snapshot has terminated because "Snap State" is changed by other process. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Processing has terminated because the snapshot activity state changed from the restore state (rst/exec) during snapshot restoring.

aaa...a   :   Process number

bbb...b   :   Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Another process might operate the snapshot pair. Check the snapshot activity state and re-execute.

458

iSM13777: The volume linked from LV exists. [BV:*<aaa...a>*] (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   Some SV paired with BV are linked.

    aaa...a   : BV logical disk name

    bbb...b   : Process number

    ccc...c   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the pair status, remove the link connection to the volume (unlink), and re-execute.

iSM13778: The volume of SV guard exists. [SV:*<aaa...a>*] (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)

[Classification]   ERROR

[Explanation]   SV protection is specified for an SV older than SV to be restored.

    aaa...a   : SV logical disk name

    bbb...b   : Process number

    ccc...c   : Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the pair status and deactivate the SV protection if you do not need the volume's snapshot. Then, re-execute.

459

iSM13779: Function error has occurred. function=*<aaa...a>* retcode=*<bbb...b>* (code=*<ccc...c>*-*<ddd...d>*-*<ddd...d>*-*<ddd...d>*)

[Classification]   ERROR

[Explanation]   A function error has occurred.

    aaa...a   :   Name of function in which an error occurred

    bbb...b   :   Code value returned by the function (refer to the table below)

Code value	Explanation
40	Failed in locking the volume.
41	Failed in unlocking the volume.
42	Failed in mounting the volume.
43	Failed in unmounting the volume.
44	Failed in canceling the drive letter.
45	Failed in setting the drive letter.
201	The specified volume is not BV.
202	The specified volume is not SV.
Other	An unexpected error has occurred.

    ccc...c   :   Process number

    ddd...d   :   Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the function name and code value returned by the function, remove the error cause, and re-execute.

460

iSM13780: Specified volume is used by replication function. BV:<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   Replication is taking place in the specified BV.

aaa...a	:	BV logical disk name
bbb...b	:	Process number
ccc...c	:	Detail information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check the replication status of specified BV and re-execute.

iSM13800: No such database name. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Database name has not been specified in database operation file.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a database name.

461

iSM13801: Illegal Option type is specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Invalid value was specified for option type in database operation file.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value for option type.

iSM13802: Database name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Database name specified in database operation file is too long.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a database name within 128 characters (1-byte).

462

iSM13803:　User id is too long. filename=*<aaa...a>* line=*<bbb...b>* (code=*<ccc...c>*-*<ddd...d>*-*<ddd...d>*-*< ddd...d>*)

[Classification]　　ERROR

[Explanation]　　User ID specified in database operation file is too long.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a user ID within 64 characters (1-byte).

iSM13804:　Password is too long. filename=*<aaa...a>* line=*<bbb...b>* (code=*<ccc...c>*-*<ddd...d>*-*<ddd...d>*-*< ddd...d>*)

[Classification]　　ERROR

[Explanation]　　Password specified in database operation file is too long.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a password within 64 characters (1-byte).

463

iSM13805:　Server name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]　　ERROR

[Explanation]　　"computer name\instance name" specified in database operation file is too long.

aaa...a　　：　File name

bbb...b　　：　Number of lines

ccc…c　　：　Process number

ddd…d　　：　Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a computer name within 255 characters (1-byte), and specify an instance name within 16 characters (1-byte).

iSM13806:　Backup set name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]　　ERROR

[Explanation]　　Backup set name specified in database operation file is too long.

aaa...a　　：　File name

bbb...b　　：　Number of lines

ccc…c　　：　Process number

ddd…d　　：　Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify the backup set name correctly and retry the processing.

464

iSM13807: Description name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Description for the backup set specified in database operation file is too long.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify the description for the backup set correctly and retry the processing.

iSM13808: Illegal remod type. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Database return mode value specified in database operation file is invalid.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a correct value.

465

iSM13809: Refile name is too long. filename=*<aaa...a>* line=*<bbb...b>* (code=*<ccc...c>*-*<ddd...d>*-*<ddd...d>*-*<ddd...d>*)

[Classification]   ERROR

[Explanation]   Standby database file name specified in database operation file is too long.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify standby database file name within 256 characters (1-byte).

iSM13810: Specified option (*<aaa...a>*) is duplicated.   filename=*<bbb...b>* line=*<ccc...c>* (code=*<ddd...d>*-*<eee...e>*-*<eee...e>*-*<eee...e>*)

[Classification]   ERROR

[Explanation]   Two or more database names or options are specified in one line of database operation file.

aaa...a	:	Specified value
bbb...b	:	File name
ccc...c	:	Number of lines
ddd…d	:	Process number
eee…e	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify only one database name or option.

466

iSM13811: OS file name is too long. filename=*<aaa...a>* line=*<bbb...b>* (code=*<ccc...c>*-*<ddd...d>*-*<ddd...d>*-*<ddd...d>*)

[Classification]   ERROR

[Explanation]   Physical file name for -move option specified in database operation file is too long.

    aaa...a   : File name

    bbb...b   : Number of lines

    ccc…c   : Process number

    ddd…d   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify -move option physical file name within 1024 characters (1-byte).

iSM13812: Illegal control option. (*<aaa...a>*) filename=*<bbb...b>* line=*<ccc...c>* (code=*<ddd...d>*-*<eee...e>*-*<eee...e>*-*<eee...e>*)

[Classification]   ERROR

[Explanation]   Option specified in database operation file is invalid.

    aaa...a   : Specified value

    bbb...b   : File name

    ccc...c   : Number of lines

    ddd…d   : Process number

    eee…e   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   With reference to description of database operation file, specify a valid option name.

467

iSM13813:　Options "pass" can not be omitted are specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]　ERROR

[Explanation]　Option "pass" has been omitted in file setting of database operation file.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　Specify "pass" option also when specifying "uid" option.

iSM13814:　Illegal combination of options. (input) filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]　ERROR

[Explanation]　Option "input" has been specified in database operation file.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　Do not specify "input" option when specifying "uid" and "pass" options.

468

iSM13815: Options "uid" can not be omitted are specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Option "uid" has been omitted in database operation file.

    aaa...a   : File name

    bbb...b   : Number of lines

    ccc…c   : Process number

    ddd…d   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify "uid" option also when specifying "pass" option.

iSM13816: Options "remod" and set value "standby" can not be omitted are specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Option "remod" has been omitted in database operation file.

    aaa...a   : File name

    bbb...b   : Number of lines

    ccc…c   : Process number

    ddd…d   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify "remod" option and setting value "standby" also when specifying "refile" option.

469

iSM13817: Specified database name is duplicated. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)

[Classification]   ERROR

[Explanation]   Specified database overlaps in database operation file.

aaa...a	:	File name
bbb...b	:	Number of lines
ccc…c	:	Process number
ddd…d	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a database uniquely.

iSM13818: Failed to metafolder (<*aaa...a*>) creation. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)

[Classification]   ERROR

[Explanation]   Specified metadata storage folder cannot be created.

aaa...a	:	Folder name
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check that specified folder name is correct, and then retry command execution.

470

iSM13819: Insufficient database. (*<aaa...a>*) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)

[Classification]   ERROR

[Explanation]   Database that has not been specified exists.

aaa...a	:	Specified value
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify all databases in volume.

iSM13820: Illegal server name. (*<aaa...a>*) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)

[Classification]   ERROR

[Explanation]   Value specified by "-server" option is invalid.

aaa...a	:	Server name
bbb...b	:	Process number
ccc…c	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify a name in a form of "computer name\instance name" or "computer name\".

471

iSM13821:　Illegal server name. (<*aaa...a*>) filename=<*bbb...b*> line=<*ccc...c*> (code=<*ddd...d*>-<*eee...e*>-<*eee...e*>-<*eee...e*>)

[Classification]　　ERROR

[Explanation]　　Value specified by "-server" option is invalid.

aaa...a	:	Server name
bbb...b	:	File name
ccc...c	:	Number of lines
ddd...d	:	Process number
eee…e	:	Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify a name in a form of "computer name\instance name" or "computer name\".

iSM13822:　Failed to get SQL server version. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]　　ERROR

[Explanation]　　Obtaining version information of Microsoft SQL Server 2000 failed.

aaa...a	:	Process number
bbb…b	:	Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Check that access to Microsoft SQL Server 2000 is authorized.

472

iSM13823: No authority to access SQL server. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Access to Microsoft SQL Server 2000 is not authorized.

    aaa...a   : Process number

    bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Check that access to Microsoft SQL Server 2000 is authorized.

iSM13824: Illegal SQL server version. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Version of Microsoft SQL Server 2000 is earlier than ServicePack2.

    aaa...a   : Process number

    bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Install ServicePack2 of Microsoft SQL Server 2000.

473

iSM13825: Specified iopath is not supported. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   The requested function is not available under the specified I/O issue control that is currently enabled.
I/O issue path control must be specified, or the setting must be changed.

aaa...a   : Process number

bbb...b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify the I/O issue path control or change the setting, and then retry processing. You can specify the I/O issue path control using the -iopath option, or using the replication control option setting file on Windows or environment variable on UNIX.   For how to set the I/O issue path control, refer to "Operation Settings" in the "Data Replication Command Reference".

iSM13826: Illegal refile name. (<*aaa...a*>) filename=<*bbb...b*> line=<*ccc...c*> (code=<*ddd...d*>-<*eee...e*>-<*eee...e*>-<*eee...e*>)

[Classification]   ERROR

[Explanation]   Standby database file name is too long.

aaa...a   : Standby database file name

bbb...b   : File name

ccc...c   : Number of lines

ddd...d   : Process number

eee…e   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify standby database file name within 256 characters (1-byte).

474

iSM13827: User id is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   User ID is too long.

    aaa...a   : Process number

    bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify user ID within 64 characters (1-byte).

iSM13828: Password is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Password is too long.

    aaa...a   : Process number

    bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify password within 64 characters (1-byte).

475

iSM13829: Server name is too long.
(code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   "computer name\instance name" is too long.

aaa...a   : Process number

bbb…b   : Detailed information   (This code is not disorder reason but a

value for maintenance.)

[Measures]   Specify a computer name within 255 characters (1-byte), and specify an instance name within 16 characters (1-byte).

iSM13830: Refile name is too long.
(code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Standby database file name is too long.

aaa...a   : Process number

bbb…b   : Detailed information   (This code is not disorder reason but a

value for maintenance.)

[Measures]   Specify standby database file name within 256 characters (1-byte).

iSM13831: Database already exist. (*<aaa...a>*) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)

[Classification]   ERROR

[Explanation]   Specified database already exists.

        aaa...a   : Database name

        bbb...b   : Process number

        ccc…c   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Detach specified database, and execute SQL command again.

iSM13832: Database name is too long. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]   ERROR

[Explanation]   Specified database name is too long.

        aaa...a   : Process number

        bbb…b   : Detailed information   (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify database name within 128 characters (1-byte).

477

iSM13833:　Database operation file name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]　　ERROR

[Explanation]　　Specified database operation file name is too long.

aaa...a　　　:　Process number

bbb…b　　　:　Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify database operation file name within 128 characters (1-byte).

iSM13834:　Metafile name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)

[Classification]　　ERROR

[Explanation]　　Specified metafile name is too long.

aaa...a　　　:　Process number

bbb…b　　　:　Detailed information　(This code is not disorder reason but a value for maintenance.)

[Measures]　　Specify metafile name within 256 characters (1-byte).

478

iSM13835:　Metafolder name is too long. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]　　ERROR

[Explanation]　　Specified metafile storing folder name is too long.

　　　　　　　　aaa...a　　　：　Process number

　　　　　　　　bbb…b　　　：　Detailed information　(This code is not disorder reason but a

　　　　　　　　　　　　　　　　value for maintenance.)

[Measures]　　Specify metafile storing folder name within 256 characters (1-byte).

iSM13836:　Number of database exceeds the limit that can be specified. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)

[Classification]　　ERROR

[Explanation]　　The number of databases simultaneously operative exceeds specifiable upper

limit.

　　　　　　　　aaa...a　　　：　Process number

　　　　　　　　bbb…b　　　：　Detailed information　(This code is not disorder reason but a

　　　　　　　　　　　　　　　　value for maintenance.)

[Measures]　　Reduce the number of databases simultaneously operated.

479

iSM14000 ~

iSM14400: Information sense error : info=*<aaa...a>*, status=failed (*<bbb...b>*)

[Classification]   INFO

[Explanation]   It indicates that it failed in acquiring Disk Array information.

aaa...a   :   Command name

bbb...b   :   Detail of error

[Measures]   If an error occurred (status=failed was output), configuration or settings of disk array may have been changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14401: Configuration reserved. : Disk Array=*<aaa...a>*, status=*<bbb...b>*

[Classification]   INFO

[Explanation]   It indicates that configuration setting started.

aaa...a   :   Disk array name

bbb...b   :   Execution state of the command.

good   :   Normal

failed(xxxx)   :   Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the specified disk array may be under configuration setting by other configuration setting software. After terminating all the configuration setting software, execute again.

480

iSM14402: Configuration released. : Disk Array=<*aaa...a*>, status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that configuration setting completed.

    aaa...a   : Disk array name

    bbb...b   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   An error may have occurred on the disk array or the control path.   Remove the cause of the error, disconnect the iSM client from which configuration setting was made, and connect the iSM client again.

iSM14403: LD bind : LDN=<*aaaa*>h, <*aaaa*>h..., RANK=<*bb*>h, <*bb*>h..., PDG=<*cc*>h, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that the binding of Logical Disk was executed.

    aaaa   : Logical disk number

    bb   : RANK number

    cc   : PD group number

    ddd...d   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

481

iSM14404: LD unbind : LDN=<*aaaa*>h, <*aaaa*>h..., status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that the unbinding of Logical Disk was executed.

　　aaaa　　　: Logical disk number

　　bbb...b　　: Execution state of the command.

　　　　　　　　good　　　　: Normal

　　　　　　　　failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14405: RANK bind : RANK=<*aa*>h, PDN=<*bb*>h, <*bb*>h..., PDG=<*cc*>h, Time=<*dd*>, RAID=<*ee*>, status=<*fff...f*>

[Classification]   INFO

[Explanation]   It indicates that the binding of RANK was executed.

　　aa　　　: RANK number

　　bb　　　: Physical disk number

　　cc　　　: PD group number

　　dd　　　: Rebuild time

　　ee　　　: RAID type

　　fff...f　: Execution state of the command.

　　　　　　　good　　　　: Normal

　　　　　　　failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

482

iSM14406: RANK unbind : RANK=<*aa*>h, <*aa*>h..., PDG=<*bb*>h, status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that the unbinding of RANK was executed.

    aa   : RANK number

    bb   : PD group number

    ccc...c : Execution state of the command.

       good   : Normal

       failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14407: Dynamic capacity expansion : RANK=<*aa*>h, PDN=<*bb*>h, PDG=<*cc*>h , Time=<*dd*>, status=<*eee...e*>

[Classification]   INFO

[Explanation]   It indicates that the expansion of RANK was executed.

    aa   : RANK number

    bb   : Physical disk number

    cc   : PD group number

    dd   : Expansion time

    eee...e : Execution state of the command.

       good   : Normal

       failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

483

iSM14408: SPARE bind : PDN=<*aa*>h, <*aa*>h..., PDG=<*bb*>h, status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that the binding of SPARE was executed.

aa   : Physical disk number

bb   : PD group number

ccc...c   : Execution state of the command.

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14409: SPARE unbind : PDN=<*aa*>h, <*aa*>h..., PDG=<*bb*>h, status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that the unbinding of SPARE was executed.

aa   : Physical disk number

bb   : PD group number

ccc...c   : Execution state of the command.

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

484

iSM14410: Set ownership : LDN=<*aaaa*>h, <*aaaa*>h..., <*bbbb*>, status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that the ownership of Logical Disk was set.

    aaaa   : Logical disk number

    bbbb   : Controller on which the ownership to be set (CNT0 or CNT1)

    ccc...c   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14411: Cross call : mode=<*aaa*>, status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that ON/OFF of Cross call was set.

    aaa   : on, off

    bbb...b   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

485

iSM14412: Set Disk Array time : *<aaa...a>*, Disk Array=*<bbb...b>*, status=*<ccc...c>*

[Classification]　　INFO

[Explanation]　　It indicates that the date and time in the Disk Array was set.

aaa...a	:	date, time. Example (Thu May 24 14:03:01 JST 2001)
bbb...b	:	Target disk array name
ccc...c	:	Execution state of the command.

        good　　　　: Normal

        failed(xxxx)　: Error occurred (xxxx is error description)

[Measures]　　When an error occurs (status=failed was output), invalid date and time may be set.　Check the set values and execute again.

iSM14413: Rebuild(maintenance) : RANK=*<aa>*h, PDN=*<bb>*h, PDG=*<cc>*h, Time=*<dd>*, status=*<eee...e>*

[Classification]　　INFO

[Explanation]　　It indicates that rebuilding to specified physical disk has been started.

aa	:	RANK number
bb	:	Physical disk number
cc	:	PD group number
dd	:	Rebuild time
eee...e	:	Execution state of the command.

        good　　　　: Normal

        failed(xxxx)　: Error occurred (xxxx is error description)

[Measures]　　When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

486

iSM14414: Forced Reduce(maintenance) : RANK=<*aa*>h, PDN=<*bb*>h, PDG=<*cc*>h, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that forced reduce was instructed to specified physical disk.

aa   : RANK number

bb   : Physical disk number

cc   : PD group number

ddd...d   : Execution state of the command.

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14415: Preventive Reduce(maintenance) : RANK=<*aa*>h, PDN=<*bb*>h, PDG=<*cc*>h, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that preventive replacement was instructed to specified physical disk.

aa   : RANK number

bb   : Physical disk number

cc   : PD group number

ddd...d   : Execution state of the command.

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

487

iSM14416: SPARE Rebuild(maintenance) : RANK=<*aa*>h, PDN=<*bb*>h, PDG=<*cc*>h, Time=<*dd*>, status=<*eee...e*>

[Classification]   INFO

[Explanation]   It indicates that start of rebuilding using SPARE was instructed to specified physical disk.

aa	:	RANK number
bb	:	Physical disk number
cc	:	PD group number
dd	:	Rebuild time
eee...e	:	Execution state of the command.
		good : Normal
		failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14417: Set Rebuild time(maintenance) : RANK=<*aa*>h, PDG=<*bb*>h, Time=<*cc*>h, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that rebuild time was changed for the physical disk under rebuilding process.

aa	:	RANK number
bb	:	PD group number
cc	:	Rebuild time
ddd...d	:	Execution state of the command.
		good : Normal
		failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

488

iSM14418: Auto repair mode : mode=<*aaa*>, status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that ON/OFF of the auto repair was set.

aaa   : on, off
bbb...b   : Execution state of the command.
                       good   : Normal
                       failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14419: Temp. sense interval(maintenance) : interval=<*aaaaa*>, status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that temperature monitoring interval was set.

aaaaa   : Temperature monitoring interval
bbb...b   : Execution state of the command.
                       good   : Normal
                       failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), invalid temperature monitoring interval may be set. Check the set value and execute again.

489

iSM14420: FW download(maintenance) : resource=<*aa*>, PDG=<*bb*>h, number=<*cc*>h, <*cc*>h..., status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that firmware downloading was executed.

aa	:	Subjected resource	
		PD	: Physical disk
		HD	: Host director
		DE	: Disk enclosure
		SVP	: Service processor
bb	:	PD group number (Valid only when the subjected resource is a PD.)	
cc	:	Resource number or all	
ddd...d	:	Execution state of the command.	
		good	: Normal
		failed(xxxx)	: Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), check whether the F/W file or the state or subjected resource is normal.

iSM14421: Disk Array log init(maintenance) : status=<*aaa...a*>

[Classification]   INFO

[Explanation]   It indicates that the initialization of internal log of Disk Array was executed.

aaa...a	:	Execution state of the command.	
		good	: Normal
		failed(xxxx)	: Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

490

iSM14422: Media error list init(maintenance) : RANK=<*aa*>h, PDG=<*bb*>h, status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that the Media error list within Disk Array was initialized.

aa	:	RANK number
bb	:	PD group number
ccc...c	:	Execution state of the command.

     good   : Normal

     failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14423: PD recovery report init(maintenance) : status=<*aaa...a*>

[Classification]   INFO

[Explanation]   It indicates that the PD recovery report within Disk Array was initialized.

aaa...a   : Execution state of the command.

     good   : Normal

     failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

491

iSM14424: Set SPARE mode : mode=*<aaa>*, status=*<bbb...b>*

[Classification]   INFO

[Explanation]   It indicates that ON/OFF of data rewrite at failure recovery was set.

aaa   :   on, off

bbb...b   :   Execution state of the command.

   good   : Normal

   failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14425: Set write cache mode(maintenance) : *<aaa>*mode=*<bbb>*, status=*<ccc...c>*

[Classification]   INFO

[Explanation]   It indicates that ON/OFF of write cache mode was set.

aaa   :   BBU or CNT

bbb   :   on, off

ccc...c   :   Execution state of the command.

   good   : Normal

   failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

492

iSM14426: RANK rebuild time : RANK=<*aa*>h, PDG=<*bb*>h, Time=<*cc*>, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that RANK rebuild time was changed.

    aa   : RANK number

    bb   : PD group number

    cc   : Rebuild time

    ddd...d   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14427: LD format time: Time=<*aa*>, status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that format time of Logical Disk was changed.

    aa   : Format time

    bbb...b   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

493

iSM14428: Auto assignment mode: mode=<*aaa*>, status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that auto assignment mode was set.

aaa   : on, off

bbb...b   : Execution state of the command.

       good   : Normal

       failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14429: Expand LUN mode: HD=<*aa*>h, Port=<*bb*>h, mode=<*cc*>, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that Expand LUN mode was set.

aa   : on, off

bb   : Host Director number

cc   : Port number

ddd...d   : Execution state of the command.

       good   : Normal

       failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

494

iSM14430: Set LD reserve ( ): LDN=<*aaaa*>h, <*aaaa*>h..., status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that the logical disk was set to the reserve group.

    aaaa   : Logical disk number

    bbb...b   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14431: Cancel LD reserve ( ): LDN=<*aaaa*>h, <*aaaa*>h..., status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that the logical disk was released from the reserve group.

    aaaa   : Logical disk number

    bbb...b   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14432: Start data initialize : LDN=<*aaaa*>h, <*aaaa*>h..., status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that initialization of the logical disk began.

aaaa   : Logical disk number

bbb...b   : Execution state of the command.

good   : Normal

failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14433: Stop data initialize : LDN=<*aaaa*>h, <*aaaa*>h..., status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that initialization of the logical disk was suspended.

aaaa   : Logical disk number

bbb...b   : Execution state of the command.

good   : Normal

failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

496

iSM14434: Change data initialize time : Time=<*aa*>, status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that logical disk initialization time was changed.

    aa   : Initialization time

    bbb...b   : Execution state of the command.

         good   : Normal

         failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14435: Set LD reserve (optimization) : LDN=<*aaaa*>h, <*aaaa*>h..., status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that the logical disk was set to the work disk for optimization.

    aaaa   : Logical disk number

    bbb...b   : Execution state of the command.

         good   : Normal

         failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

497

iSM14436: Cancel LD reserve (optimization) : LDN=<*aaaa*>h, <*aaaa*>h..., status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that the logical disk was released from the work disk for optimization.

aaaa   : Logical disk number

bbb...b   : Execution state of the command.

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14437: Set default LD name : LDN=<*aaaa*>h, status=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that the logical disk name was initialized to the default.

aaaa   : Logical disk number

bbb...b   : Execution state of the command.

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

498

iSM14438: Set Port Platform : Platform=*<aa>*, HD=*<bb>*h, Port=*<cc>*h, status=*<ddd...d>*

[Classification]   INFO

[Explanation]   The OS type of the port has been set.

    aa   : Set platform

    bb   : Host director number

    cc   : Port number

    ddd...d   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14439: Shutdown Disk Array : status=*<aaa...a>*

[Classification]   INFO

[Explanation]   Shutdown process of disk array started.

    aaa...a   : Command execution status

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or settings of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.   If accesses from business server exist, terminate the accesses.

499

iSM14440: *<aaa>* Control Software update : status=failed

[Classification]　INFO

[Explanation]　Indicates failure in updating storage control software.

aaa 　　　　 : 　Subjected resource

HD 　: 　Host director

DD 　: 　Disk director

SVP 　: 　Service processor

[Measures]　The configuration or setting of the disk array may be changed.　After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14441: Storage Control Software update : status=*<aaa...a>*

[Classification]　INFO

[Explanation]　It indicates that storage control software has been updated.　Upon normal operation, iSM14439 and iSM14442 messages are output also.

aaa...a 　　　 : 　Command execution status

good 　　　　 : 　Normal

failed(xxxx) 　: 　Error occurred (xxxx is error description)

[Measures]　When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.　After updating it to the newest information or restarting state monitoring, check current state and execute again.

500

iSM14442: Reset resource : resource=<*aaa*>, number=<*bb*>h, status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that resetting of resource or disk array started.

    aaa   : Subjected resource

             SVP   : Service processor

             all   : Whole disk array

    bb   : Resource number applicable to resetting (all for the whole disk array)

    ccc...c   : Command execution status

             good   : Normal

             failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   Check that accesses to disk array have terminated.   Turn off and then on the power, and then check current state.

501

iSM14443: Set IP Address : number=<*aa*>h, (IP Address=<*bbb...b*>, Subnet Mask=<*ccc...c*>, Gateway Address=<*ddd...d*>) -> (IP Address=<*eee...e*>, Subnet Mask=<*fff...f*>, Gateway Address=<*ggg...g*>), status=<*hhh...h*>

[Classification]   INFO

[Explanation]   It indicates that IP address, subnet mask, and gateway address have been specified for the disk array.   Information specified here becomes valid after resetting disk array or service processor.

    aa   : Service processor number

    bbb...b   : IP address before change

    ccc...c   : Subnet mask before change

    ddd...d   : Gateway address before change

    eee...e   : IP address after change

    fff...f   : Subnet mask after change

    ggg...g   : Gateway address after change

    hhh...h   : Command execution status

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.   If state monitoring cannot be restarted, specified IP address, etc., may be wrong.   If a wrong IP address, etc. have been specified, specify a correct address with iSMnetconf command.

502

iSM14444: Set SCSI Socket permission : number=<*aa*>h, SCSI Socket Guard Invalid=<*bbb*>, SCSI Socket Valid IP Address=<*ccc...c*>,<*ccc...c*>..., status=<*ddd...d*>

[Classification]   INFO

[Explanation]   Indicates access restriction has been specified on monitoring server.

Information specified here becomes valid after resetting disk array or service processor.

aa	:	Service processor number
bbb	:	Access restriction status on monitoring server (on or off)
ccc...c	:	IP address to allow access (only when access restriction is on)
ddd...d	:	Command execution status

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

        ----   : Interrupted

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.   If state monitoring cannot be restarted, specified IP address, etc., may be wrong.   If a wrong IP address, etc. have been specified, disable access restriction with iSMnetconf command, and retry command execution.

503

iSM14445: Set SNMP Request permission : number=<*aa*>h, SNMP Valid=<*bb*>, Community Name="<*ccc...c*>", SNMP Valid IP Address=<*ddd...d*>, <*ddd...d*>..., status=<*eee...e*>

[Classification]   INFO

[Explanation]   Indicates access restriction has been specified by SNMP request.   Information specified here becomes valid after resetting disk array or service processor.

aa	:	Service processor number
bb	:	Access restriction status by SNMP request (on or off)
ccc...c	:	Community name
ddd...d	:	IP address to allow access (only when access restriction is on)
eee...e	:	Command execution status

    good   : Normal

    failed(xxxx) : Error occurred (xxxx is error description)

    ----   : Interrupted

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

504

iSM14446: LD Bind(maintenance) : LDN=<*aaaa*>h, <*aaaa*>h..., RANK=<*bb*>h, PDG=<*cc*>h, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that logical disks have been configured.   After normal operation, iSM14410 message is output also.

aaaa	:	Logical disk number
bb	:	RANK number
cc	:	PD group number
ddd...d	:	Command execution status
	good	: Normal
	failed(xxxx)	: Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14447: License <*aaa…a*> : Product=<*bbb...b*>, status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that license was released or locked.

aaa…a	:	Setting type
	Release	: License released
	Lock	: License locked
bbb...b	:	Program product name
ccc...c	:	Command execution status
	good	: Normal
	failed(xxxx)	: Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

505

iSM14448: Set SNMP Trap Transmission : number=<*aa*>h, Community Name="<*bbb...b*>", SNMP Trap IP Address=<*ccc...c*>,<*ccc...c*>,..., status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that sending destination of SNMP trap was specified.   Information specified here becomes valid after resetting disk array or service processor.

aa   : Service processor number

bbb...b   : Community name

ccc...c   : IP address of SNMP Trap sending destination

ddd...d   : Command execution status

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

----   : Interrupted

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

iSM14449: Set SNMP Trap Information : number=*<aa>*h, Trap Sense Interval=*<bb>*, Unit Contact="*<ccc...c>*", Unit Name="*<ddd...d>*", Unit Location="*<eee...e>*", Unit Info="*<fff...f>*", status=*<ggg...g>*

[Classification]   INFO

[Explanation]   It indicates that SNMP trap information was specified.   Information specified here becomes valid after resetting disk array or service processor.

aa	:	Service processor number
bb	:	Trap monitoring interval (unit: second)
ccc...c	:	Management information (administrator of disk array, managing department, and contact address)
ddd...d	:	System name (nickname of disk array, using host name, etc.)
eee...e	:	Installation site (installation sited of disk array)
fff...f	:	Supplementary information (other information required for managing)
ggg...g	:	Command execution status

good	:	Normal
failed(xxxx)	:	Error occurred (xxxx is error description)
----	:	Interrupted

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

507

iSM14450: Set CachePartitioning mode: mode=<*aaa*> initialize=<*bbbb*>, status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that the cache partitioning function has started/stopped.

aaa   : Cache partitioning function starting/termination (on or off)

bbbb   : Initial status of settings at cache partitioning function starting (on, off, or "----")

ccc...c   : Command execution status

good   : Normal

failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

508

iSM14451: Define cache segment : segment number=<aa>h, segment name="<bbb...b>", max. capacity=<ccc...c>GB, min. capacity=<ddd...d>GB, status=<eee...e>

[Classification]   INFO

[Explanation]   It indicates that the cache segment has been created.

    aa   : Cache segment number

    bbb...b   : Cache segment name

    ccc...c   : Max. allocated cache capacity

    ddd...d   : Min. allocated cache capacity

    eee...e   : Command execution status

        good   : Normal

        failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

509

iSM14452: Delete cache segment : segment number=<*aa*>h, segment name="<*bbb...b*>", status=<*ccc...c*>

[Classification]   INFO

[Explanation]   It indicates that the cache segment has been deleted.

aa   : Cache segment number

bbb...b   : Cache segment name

ccc...c   : Command execution status

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

510

iSM14453: Set cache segment information: segment number=<*aa*>h, segment name="<*bbb...b*>", max. capacity=<*ccc...c*>GB, min. capacity=<*ddd...d*>GB, status=<*eee...e*>

[Classification]   INFO

[Explanation]   It indicates that the cache segment information has been changed.

aa	:	Cache segment number
bbb...b	:	Cache segment name
ccc...c	:	Max. allocated cache capacity
ddd...d	:	Min. allocated cache capacity
eee...e	:	Command execution status

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the newest information or restarting state monitoring, check current state and execute again.

511

iSM14454: Assign LD to cache segment : segment number=<aa>h, segment name="<bbb...b>", LDN=<ccc...c>, <ccc...c>..., status=<ddd...d>

[Classification]   INFO

[Explanation]   It indicates that LD assigned to cache segment has been changed.

    aa   :   Number of cache segment to which LD was added

    bbb...b :   Name of cache segment to which LD was added

    ccc...c :   LD number of which LD assignment has been changed

    ddd...d :   Command execution status

        good   :   Normal

        failed(xxxx) :   Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the newest information or restarting state monitoring, check current state and execute again.

512

iSM14456: Pool bind : Pool number=<*aaaa*>h, Type=<*bbb...b*>, PD count=<*cccc*>, PDN=<*dd*>h-<*ee*>h, <*dd*>h-<*ee*>h, ..., Time=<*ff*>, RAID=<*ggg...g*>, status=<*hhh...h*>

[Classification]   INFO

[Explanation]   It indicates that pool bind has been executed.

aaaa	:	Pool number
bbb...b	:	Pool type
	dynamic	: Dynamic
	basic	: Basic
cccc	:	Number of physical disks
dd	:	PD group number
ee	:	Physical disk number
ff	:	Rebuild time
ggg...g	:	RAID type
	1	: RAID 1
	5	: RAID 5
	10	: RAID 10
	50	: RAID 50
	6(4+PQ)	: RAID 6
	6(8+PQ)	: RAID 6
hhh...h	:	Execution state of the command
	good	: Normal
	failed(xxxx)	: Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the latest information or restarting state monitoring, check the current state and execute the command again.

513

iSM14457: Pool unbind : Pool number=<*aaaa*>h, PD count=<*bbbb*>, PDN=<*cc*>h-<*dd*>h, <*cc*>h-<*dd*>h, ..., status=<*eee...e*>

[Classification]   INFO

[Explanation]   It indicates that pool unbind has been executed.

aaaa   : Pool number

bbbb   : Number of physical disks

cc   : PD group number

dd   : Physical disk number

eee...e   : Execution state of the command

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the latest information or restarting state monitoring, check the current state and execute the command again.

514

iSM14458: Pool expansion : Pool number=<*aaaa*>h, PD count=<*bbbb*>, PDN=<*cc*>h-<*dd*>h, <*cc*>h-<*dd*>h, ..., restruct=<*eee*>, Time=<*fff*>, status=<*ggg...g*>

[Classification] INFO

[Explanation] It indicates that pool expansion has been executed.

aaaa	:	Pool number
bbbb	:	Number of physical disks
cc	:	PD group number
dd	:	Physical disk number
eee	:	Rebuilding
	on	: With pool rebuilding
	off	: Without pool rebuilding
fff	:	Expansion time
ggg...g	:	Execution state of the command
	good	: Normal
	failed(xxxx)	: Error occurred (xxxx is error description)

[Measures] When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed or the state of the specified pool may not be normal. Restart state monitoring and check the current state.

515

iSM14459:　Pool rebuild/expansion time : Pool number=<*aaaa*>h, rebuild time=<*bb*>, expansion time=<*ccc*>, status=<*ddd...d*>

[Classification]　INFO

[Explanation]　It indicates that the pool expansion time has been changed.

aaaa	:	Pool number
bb	:	Rebuild time
ccc	:	Expansion time
ddd...d	:	Execution state of the command

      good　　　　: Normal

      failed(xxxx)　: Error occurred (xxxx is error description)

[Measures]　When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.　After updating it to the latest information or restarting state monitoring, check the current state and execute the command again.

516

iSM14461: LD bind : LDN=<*aaaa*>h, <*aaaa*>h..., Pool number=<*bbbb*>h, LD capacity=<*ccc...c*>GB, Time=<*dd*>, status=<*eee...e*>

[Classification]   INFO

[Explanation]   It indicates that LD bind has been executed.

aaaa	:	Logical disk number
bbbb	:	Pool number
ccc...c	:	Logical disk capacity
dd	:	Binding time
eee...e	:	Execution state of the command
		good : Normal
		failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed. After updating it to the latest information or restarting state monitoring, check the current state and execute the command again.

517

iSM14462: LD expansion : LDN=*<aaaa>*h, LD capacity=*<bbb...b>*GB, Time=*<cc>*, status=*<ddd...d>*

[Classification]   INFO

[Explanation]   It indicates that LD expansion has been executed.

aaaa   : Logical disk number

bbb...b   : Logical disk capacity (after expansion)

cc   : Expansion time

ddd...d   : Execution state of the command

good   : Normal

failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed or the state of the specified logical disk may not be normal.   Restart state monitoring and check the current state.

iSM14464: Pool name : Pool number=*<aaaa>*h, new name= "*<bbb...b>*" (old name="*<ccc...c>*"), status=*<ddd...d>*

[Classification]   INFO

[Explanation]   It indicates that the pool name has been changed.

aaaa   : Pool number

bbb...b   : New pool name

ccc...c   : Old pool name

ddd...d   : Execution state of the command

good   : Normal

failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the configuration or setting of the disk array may be changed.   After updating it to the latest information or restarting state monitoring, check the current state and execute the command again.

518

iSM14467: SRA expansion : LD(SDV) number=<*aaaa*>h,<*aaaa*>h..., Pool number=<*bbbb*>h, SRA capacity=<*ccc...c*>GB, threshold=<*ddd...d*>GB(<ee>%), status=<*fff...f*>

[Classification]	INFO

[Explanation]	It indicates that SRA was expanded.
	aaaa : Logical disk (SDV) number
	bbbb : Pool number
	ccc...c : SRA capacity (GB)
	ddd...d : Threshold (GB)
	ee : Threshold (%)
	fff...f : Execution state of the command.
	good : Normal
	failed(xxxx) : Error occurred (xxxx is error description)

[Measures]	When an error occurs (status=failed was output), restart state monitoring and check the following items.
	- Pool status

519

iSM14468: SRA bind : LD(SDV) number=<*aaaa*>h,<*aaaa*>h...,   Pool number=<*bbbb*>h, SRA capacity=<*ccc...c*>GB, threshold=<*ddd...d*>GB(<*ee*>%), status=<*fff...f*>

[Classification]   INFO

[Explanation]   It indicates that SRA was bound.

aaaa   : Logical disk (SDV) number

bbbb   : Pool number

ccc...c   : SRA capacity (GB)

ddd...d   : Threshold (GB)

ee   : Threshold (%)

fff...f   : Execution state of the command.

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), restart state monitoring and check the following items.

- Pool status

520

iSM14469: LV bind : LD(LV) number=<*aaaa*>h,<*aaaa*>h...(LD(BV) number=<*bbbb*>h,<*bbbb*>h...), Pool number=<*cccc*>h, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that LV was bound.

aaaa	:	Logical disk (LV) number
bbbb	:	Logical disk (BV) number permitted to be linked
cccc	:	Pool number
ddd...d	:	Execution state of the command.

          good   : Normal

          failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the status impossible in normal operation may have occurred. Update to the latest information or restart state monitoring and start snapshot management. Then, check the following items.

- Pool state
- SV state
- LV state and link permission volume list

521

iSM14470: SV bind : LD(SV) number=<*aaaa*>h,<*aaaa*>h...(LD(BV) number=<*bbbb*>h), Pool number=<*cccc*>h, SV count=<*dd*>, status=<*eee...e*>

[Classification]   INFO

[Explanation]   It indicates that a generation was added (SV was bound).

aaaa   : Logical disk (SV) number

bbbb   : Number of logical disk (BV) to which the generation is added

cccc   : Pool number

dd   : Number of generations to be added

eee...e   : Execution state of the command.

good   : Normal

failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the status impossible in normal operation may have occurred. Update to the latest information or restart state monitoring and start snapshot management. Then, check the following items.

- Pool state

- SV state

- LV state and link permission volume list

522

iSM14471: SRA unbind : Pool number=*<aaaa>*h, LD(SDV) number=*<bbbb>*h,*<bbbb>*h..., status=*<ccc...c>*

[Classification]   INFO

[Explanation]   It indicates that SRA was unbound.

    aaaa   : Pool number

    bbbb   : Logical disk (SDV) number

    ccc...c   : Execution state of the command.

        good   : Normal

        failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), restart state monitoring and check the following items.

- Pool state

523

iSM14472: SV unbind : LD(SV) number=<*aaaa*>h,<aaaa>h...(LD(BV) number=<*bbbb*>h), SV count=<*cc*>, status=<*ddd...d*>

[Classification]   INFO

[Explanation]   It indicates that a generation was removed (SV was unbound).

aaaa	:	Logical disk (SV) number
bbbb	:	Number of logical disk (BV) from which the generation is removed
cc	:	Number of generations to be removed
ddd...d	:	Execution state of the command.

        good   : Normal

        failed(xxxx)   : Error occurred (xxxx is error description)

[Measures]   When an error occurs (status=failed was output), the status impossible in normal operation may have occurred. Update to the latest information or restart state monitoring and start snapshot management. Then, check the following items.

- Pool state

- SV state

- LV state and link permission volume list

524

iSM14474: SRA threshold : Pool number=*<aaaa>*h, threshold=*<bbb...b>*GB (*<cc>*%), status=*<ddd...d>*

[Classification] INFO

[Explanation] It indicates that threshold was changed.

aaaa	:	Pool number
bbb...b	:	Threshold (GB)
cc	:	Threshold (%)
ddd...d	:	Execution state of the command.

good : Normal

failed(xxxx) : Error occurred (xxxx is error description)

[Measures] When an error occurs (status=failed was output), restart state monitoring and check the following items.
- Pool state

iSM14475: Configuration reserved(reference mode). : Disk Array=*<aaa...a>*, status=*<bbb...b>*

[Classification] INFO

[Explanation] It indicates that configuration setting is started in the reference mode.

aaa...a	:	Disk array name
bbb...b	:	Execution state of the command.

good : Normal

failed(xxxx) : Error occurred (xxxx is error description)

[Measures] When an error occurs (status=failed was output), the configuration of specified disk array may be being set by another configuration setting software. After exiting all configuration setting software, re-execute.

525

iSM14476: Configuration released(reference mode).: Disk Array=<aaa...a>, status=<bbb...b>

[Classification] INFO

[Explanation] It indicates that the reference mode of configuration setting is ended.

    aaa...a   : Disk array name

    bbb...b   : Execution state of the command.

        good   : Normal

        failed(xxxx)   : Error occurred (xxxx is error description)

[Measures] When an error occurs (status=failed was output), the disk array or control path may be failed. After troubleshooting, disconnect and re-connect the iSM client of which configuration has been set.

iSM14600: Internal error : detail=<*aaa...a*>, code=<*bbbb*>

[Classification] INFO

[Explanation] It indicates that an internal error such as a communication error and system call error occurred.

    aaa...a   : The following output will be provided depending on an error content.

        communication   : Communication error

        system call   : System call error

        process busy   : Time out in waiting for termination (Windows version only)

        function api   : Internal API error

        seize   : Disk array occupation error

    bbbb   : Internal code such as errno

[Measures] Check whether any abnormality has occurred in the processes making up the iSM server or in the operation environment, then restart the iSM server.

526

iSM14601: Forced termination : status=<*aaa...a*>

[Classification]   INFO

[Explanation]   It indicates that the "Configurating" state was forcefully canceled.

    aaa...a   : Execution state of the command.

        good   : Normal

        failed(xxxx) : Error occurred (xxxx is error description)

[Measures]   When an error occurs, check whether any abnormality has occurred in the processes making up the iSM server or in the operation environment, then restart the iSM server.

527

iSM15000 ~

iSM15600: Internal error : detail=<*aaa...a*>, code=<*bbbb*>

[Classification]   INFO

[Explanation]   It indicates that such internal error as communication error and system call error occurred.

aaa...a   :   The following output will be provided depending on an error content.

communication	:	detail=communication
system call	:	detail=system call
process busy	:	Time out in waiting for termination (Windows version only)

bbbb   :   Internal code such as errno

[Measures]   Check whether any abnormality has occurred in the processes making up the iSM server or in the operation environment, then restart the iSM server.

528

iSM16000 ~

iSM16001: iSMalived process has started.
function=<*aaa...a*> AUTH=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that ALIVEmail process has started.

aaa...a   : Function name that has started

    SG Error   : Process has started, but notification is not executed because of SG setting error (function blockage state).

    Alert   : Error report

    Heartbeat   : Heartbeat report

    Regulary   : Periodical error report

    RunningMainte: Scheduled maintenance report

bbb...b   : Authentication method for accessing a mail server

    NONE   : Conventional authentication method without SMTP authentication

    SMTP_AUTH   : SMTP Auth authentication method

    POP_BEFORE_SMTP   : POP before SMTP authentication method

[Measures]   Unnecessary (normal operation). Check the setting file if the operating function is different from the setting.

iSM16020: Function Error has occurred.
name=<*aaa...a*> code=<*bbbb*>
errno=<*ccc*>

[Classification]   NOTICE

[Explanation]   It shows that a function error has occurred.

aaa...a   : Function name

bbbb   : Internal code

ccc   : Error number

[Measures]   Check the settings relevant to the applicable function.

529

iSM16021: Internal Error has occurred.
code=<*aaaa*> errno=<*bbb*>

[Classification]   NOTICE

[Explanation]   It shows that an internal error has occurred.

aaaa   : Internal code

bbb   : Error number

[Measures]   Check the server operating environment and various settings.

iSM16029: File does not exist. file=<*aaa...a*>

[Classification]   WARNING

[Explanation]   It shows that ALIVEmail setting file or message information table file does not exist.

aaa...a   : File name

    alived.conf   : Setting file

    alived.tbl   : Message information table file

[Measures]   Check the folder for the ALIVEmail setting file or message information table file, and create a file properly.

530

iSM16030: File cannot be opened. errno=<*aaa*> file= <*bbb...b*>

[Classification]   WARNING

[Explanation]   It shows that opening of the ALIVEmail setting file or message information table file has failed.

aaa   : Error number

bbb...b   : File name

    alived.conf   : Setting file

    alived.tbl   : Message information table file

    alived.hst   : Record file

[Measures]   Check the conditions of the ALIVEmail setting file or message information table file.

iSM16031: File cannot be read. file=alived.conf line=<*aa*> errno=<*bbb*>

[Classification]   WARNING

[Explanation]   It indicates that reading the ALIVEmail setting file has failed.

aa   : Error line number

bbb   : Error number

[Measures]   Check the conditions of the ALIVEmail setting file (such as reading privilege).

iSM16032: Illegal configuration. file=alived.conf First line is not [ALIVE].

[Classification]   WARNING

[Explanation]   It indicates that the first line of the ALIVEmail setting file is not [ALIVE].

[Measures]   The header should be [ALIVE].   Check the contents of the file.

531

iSM16033: Illegal configuration. file=alived.conf
Tag overlaps. line=<*aa*>
tag=<*bbb...b*>

[Classification]   WARNING

[Explanation]   It indicates that the tags overlap in the ALIVEmail setting file.

    aa   : Error line number

    bbb...b   : Tag name

[Measures]   Check the syntax of the ALIVEmail setting file and correct it.

iSM16034: Illegal configuration. file=alived.conf
First word is not keyword. line=<*aa*>

[Classification]   WARNING

[Explanation]   It indicates that it is the applicable line of ALIVEmail setting file and the first word is not a keyword.

    aa   : Error line number

[Measures]   Check the syntax of the ALIVEmail setting file and correct it.

532

iSM16035: Illegal configuration. file=alived.conf id=<*a*> line=<*bb*>

[Classification]   WARNING

[Explanation]   It indicates that there is Invalid description in the ALIVEmail setting file.

    a   : Error classification

            1: Improper position of "=", or no "="

            2: Improper position of ":", or no ":"

            3: Improper position of ",", or too many ","

            6: Improper position of """, or no """

            8: No description of address

            9: Inconsistency existing among set values

    bb   : Error line number

[Measures]   Check the relevant line of the ALIVEmail setting file, and correct the definition.

iSM16037: Illegal configuration. file=alived.conf Specific tag is not defined. tag=<*aaa...a*>

[Classification]   WARNING

[Explanation]   It indicates that there is no definition of the specific tag in the ALIVEmail setting file.

    aaa...a   : Tag name

[Measures]   Check the syntax of the ALIVEmail setting file, and correct the definition of the specific tag.

533

iSM16038: Illegal configuration. file=alived.conf It has exceeded 256 bytes. line=<*aa*>

[Classification]   WARNING

[Explanation]   It indicates that the applicable line of the ALIVEmail setting file exceeds 256
                   bytes.
                   aa   : Error line number

[Measures]   Check the applicable line of the ALIVEmail setting file, and correct it 256 bytes
                or less.

iSM16039: Illegal configuration. file=alived.conf "TO" mail address has exceeded 10. line=<*aa*>

[Classification]   WARNING

[Explanation]   It indicates that the destination mail addresses have been set over 10 in the
                   ALIVEmail setting file.
                   aa   : Error line number

[Measures]   Check the mail addresses to which the ALIVEmail setting file, and set the
                number of address less.

iSM16041: File cannot be read. file=alived.tbl line=<*aa*> errno=<*bbb*>

[Classification]   WARNING

[Explanation]   It indicates that reading the ALIVEmail message information table file has
                   failed.
                   aa   : Error line number
                   bbb   : Error number

[Measures]   Check the state of the ALIVEmail message information table file (such as
                reading privilege).

534

iSM16043: Illegal configuration. file=alived.tbl Tag overlaps. line=<*aa*> tag=<*bbb...b*>

[Classification]   WARNING

[Explanation]   It indicates that the tags overlap in the ALIVEmail message information table file.

aa   : Error line number

bbb...b   : Tag name

[Measures]   Check the syntax of the ALIVEmail message information table file and correct it.

iSM16044: Illegal configuration. file=alived.tbl First word not keyword. line=<*aa*>

[Classification]   WARNING

[Explanation]   It indicates that it is the applicable line of the ALIVEmail message information table file and the first word is not a keyword.

aa   : Error line number

[Measures]   Check the syntax of the ALIVEmail message information table file and correct it.

iSM16045: Illegal configuration. file=alived.tbl id=*<a>* line=*<bb>*

[Classification] WARNING

[Explanation] It indicates that there is Invalid description in the ALIVEmail message
information table file.

     a   : Error classification

          1: Improper position of "=", or no "="

          5: Improper position of ","

          8: No description of address

     bb   : Error line number

[Measures] Check the relevant line of the ALIVEmail message information table file, and
correct the definition.

iSM16047: Illegal configuration. file=alived.tbl Specific tag is not defined. tag=*<aaa...a>*

[Classification] WARNING

[Explanation] It indicates that there is no definition of the specific tag in the ALIVEmail
message information table file.

     aaa...a : Tag name

[Measures] Check the syntax of the ALIVEmail message information table file, and correct
the definition of the specific tag.

536

iSM16048: Illegal configuration. file=alived.tbl
It has exceeded 256 bytes. line=<*aa*>

[Classification]   WARNING

[Explanation]   It indicates that the applicable line of the ALIVEmail message information table file exceeds 256 bytes.

aa   : Error line number

[Measures]   Check the applicable line of the ALIVEmail message information table file, and correct it in 256 bytes or less.

iSM16049: Illegal configuration. file=alived.tbl
Message number has exceeded 1000.
line=<*aa*>

[Classification]   WARNING

[Explanation]   It indicates that the set number of messages in the ALIVEmail message information table file exceeds 1000.

aa   : Error line number

[Measures]   Check the ALIVEmail message information table file, and set the messages to 1000 or less.

iSM16061: Mail server (<*aaa...a*>) address is
illegal.

[Classification]   WARNING

[Explanation]   It indicates that the address specified to the mail server is illegal.

aaa...a   : Mail server type

SMTP   : Address of SMTP server

POP   : Address of POP server

[Measures]   Specify the mail server with the DNS name or IP address.

537

iSM16062: Mail server cannot be connected. name=<*aaa...a*> code=<*bbbb*> errno=<*ccc*>

[Classification]   WARNING

[Explanation]   It indicates that the connection to mail server has failed.

aaa...a   : Function name

bbbb   : Internal code

ccc   : Error number

[Measures]   Failed in connection with mail server specified in the ALIVEmail setting file.

Check the address and operations of the specified mail server.

iSM16063: Communication error(receive from mail server). name=<*aaa...a*> code=<*bbbb*> errno=<*ccc*>

[Classification]   WARNING

[Explanation]   It indicates that receiving from the mail server has failed.

aaa...a   : Function name

bbbb   : Internal code

ccc   : Error number

[Measures]   Check the operations of the specified mail server, and resolve the problem.

iSM16064: Communication error(send to mail server). name=<*aaa...a*> code=<*bbbb*> errno=<*ccc*>

[Classification] WARNING

[Explanation] It indicates that transmitting to mail server has failed.

aaa...a : Function name

bbbb : Internal code

ccc : Error number

[Measures] Check the operations of the specified mail server, and resolve the problem.

iSM16065: Communication error(mail server). id=<*a*> send=<*bbb...b*> recv=<*ccc...c*>

[Classification] WARNING

[Explanation] It indicates that the communication error occurred with the mail server.

a : Internal code number

bbb...b : Sending information

ccc...c : Reception information

[Measures] Check the operations of the specified mail server, and resolve the problem based on the information.

iSM16066: Mail server was time out.

[Classification] WARNING

[Explanation] It indicates that the operation of the mail server is slow and going to timeout.

[Measures] Check the operations of the specified mail server, and consider the restriction of mail volume, the operation of mail server and path's communication speed.

539

iSM16070: Message buffer is full. Data losing is detected.

[Classification]　　WARNING

[Explanation]　　It indicates that messages have been deleted because the message buffer capacity exceeded the limit.

[Measures]　　There are too many messages for link.　Definition must be reviewed.

iSM16071: Data losing is recovered.

[Classification]　　WARNING

[Explanation]　　It indicates that the message lost by the overflow of message buffer has been recovered.
This message is output on UNIX system.
(Output only to syslog)

[Measures]　　This message is output in pair with iSM16070, which indicates that too many messages to be linked exist, and indicates recovery of the error.　Review the definition.

540

iSM16080: Definition change is successful. function=<*aaa...a*> AUTH=<*bbb...b*>

[Classification]   INFO

[Explanation]   It indicates that the setting information change was successful.

aaa...a   : Function name that has started

    Alert   : Error report

    Heartbeat   : Heartbeat report

    Regulary   : Periodical error report

    RunningMainte: Scheduled maintenance report

bbb...b   : Authentication method for accessing a mail server

    NONE   : Conventional authentication method without SMTP authentication

    SMTP_AUTH   : SMTP Auth authentication method

    POP_BEFORE_SMTP   : POP before SMTP authentication method

[Measures]   Unnecessary (normal operation).   Check the setting file if the operating function is different from the setting.

iSM16081: Definition change error. ALIVEmail function does not start.

[Classification]   WARNING

[Explanation]   It indicates that it failed to change the setting information.   The driven function does not operate till it succeeds.

[Measures]   While trying to change the setting information with the iSM server running, the definition error occurred.   Correct the setting information error and execute the change command again.

iSM16082: Definition change error. ALIVEmail function continues to operate by old one.

[Classification]   WARNING

[Explanation]   The setting file change was failed.   The driven function operates by the old function before changing.

[Measures]   While trying to change the setting information with the iSM server running, the definition error occurred.   Correct the setting information error and execute the change command again.

iSM16083: Making of file directory error. code=<*aaaa*> path=<*bbb...b*> errno=<*ccc*>

[Classification]   ERROR

[Explanation]   It indicates that it failed to create directory.
aaaa   : Code number
bbb...b   : Directory name
ccc   : Error number

[Measures]   There is an error in the authority of installation directory and so on.

iSM16084: Change directory error. name=<*aaa...a*> path=<*bbb...b*> errno=<*ccc*>

[Classification]   ERROR

[Explanation]   It indicates that the directory change has been failed.
aaa...a   : Function name
bbb…b   : Directory name
ccc   : Error number

[Measures]   There is an error in the authority of installation directory and so on.

542

iSM17000 ~

iSM17001: Ftp environment(user) is not defined. File Transfer function can not be used. detail=<*aa-bbbb*>

[Classification]   NOTICE

[Explanation]   File transfer function cannot be used because FTP user name has not been defined.

        aa-bbbb   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify correct description of file_transfer section (user) in environment definition file, and restart the iSM server. In particular, on Windows system, specify a correct FTP user name in environment setting (Detail 2 file transfer information), and restart the iSM server.

iSM17002: Ftp environment(ftp_root_directory) is invalid. File Transfer function can not be used. detail=<*aa-bbbb*>

[Classification]   NOTICE

[Explanation]   File transfer function cannot be used because root directory of FTP server has not been defined correctly.

        aa-bbbb   : Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify correct description of file_transfer section (ftp_root_directory) in environment definition file, and restart the iSM server. In particular, on Windows system, specify a correct root folder of FTP site in environment setting (Detail 2 file transfer information), and restart the iSM server.

543

iSM17003: Ftp environment(temp_directory) is invalid. File Transfer function can not be used. detail=<*aa-bbbb*>

[Classification]   NOTICE

[Explanation]   File transfer function cannot be used because work file storing directory has not been defined correctly.

aa-bbbb   :   Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify correct description of file_transfer section (temp_directory) in environment definition file, and restart the iSM server.   In particular, on Windows system, specify a correct work file storing folder in environment setting (Detail 2 file transfer information), and restart the iSM server.

iSM17004: Temp directory is not under ftp root directory. File Transfer function can not be used. detail=<*aa-bbbb*>

[Classification]   NOTICE

[Explanation]   File transfer function cannot be used because work file storing directory is not in the root directory of FTP server.

aa-bbbb   :   Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Specify that work file storing directory is in the root directory of FTP server by file_transfer section in environment definition file, and restart the iSM server. In particular, on Windows system, specify a correct work file storing folder to be in the root folder of FTP site by environment setting (Detail 2 file transfer information) or specify a correct virtual directory path and restart the iSM server.

544

iSM17010: File access has failed. func=<*aaa...a*> path=<*bbb...b*> errno=<*ccc*> detail=<*dd-eeee*>

[Classification]   NOTICE

[Explanation]   An error occurred in file access function.

aaa...a	:	Function name
bbb...b	:	Path name
ccc	:	Error number
dd-eeee	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check function name and error number, take appropriate measures, and restart the iSM server.

iSM17020: Socket access has failed. func=<*aaa...a*> errno=<*bbb*> detail=<*cc-dddd*>

[Classification]   WARNING

[Explanation]   An error occurred in socket access function.

aaa...a	:	Function name
bbb	:	Error number
cc-dddd	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]   Check function name and error number, take appropriate measures, and restart the iSM server.

545

iSM17030:　Memory access has failed. func=<*aaa...a*> errno=<*bbb*> detail=<*cc-dddd*>

[Classification]　WARNING

[Explanation]　An error occurred in memory access function.　iSM server terminates abnormally.

aaa...a	:	Function name
bbb	:	Error number
cc-dddd	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　Check function name and error number, take appropriate measures, and restart the iSM server.

iSM17040:　System call error has occurred. func=<*aaa...a*> errno=<*bbb*> detail=<*cc-dddd*>

[Classification]　WARNING

[Explanation]　An error occurred in system function.　iSM server terminates abnormally.

aaa...a	:	Function name
bbb	:	Error number
cc-dddd	:	Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　Check function name and error number, take appropriate measures, and restart the iSM server.

546

iSM17050:　Internal error has occurred. detail=<*aa-bbbb*>

[Classification]　　WARNING

[Explanation]　　An internal error occurred in file transfer function.　iSM server terminates abnormally.

　　aa-bbbb　　　：　Detailed information (This code is not disorder reason but a value for maintenance.)

[Measures]　　Save the following information and restart the iSM server.
- iSM operation log
- syslog (for other than Windows system)
- Event log (for Windows system)

iSM17900:　Process is busy when it terminates emergency. Unexpected error message maybe generated.

[Classification]　　WARNING

[Explanation]　　It indicates that file transfer function decided to execute emergency termination, but cannot terminate immediately.

[Measures]　　Unnecessary

547

iSM18000 ~

iSM18001: Snapshot has been created. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>* (*<eeee>*h))

[Classification]　INFO

[Explanation]　It indicates that snapshot was created.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number

[Measures]　Unnecessary

iSM18002: Deleting snapshot has been started. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>* (*<eeee>*h), generation=*<fff>*)

[Classification]　INFO

[Explanation]　It indicates that snapshot deletion was started.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number
fff	:	SV generation number when deletion was started

[Measures]　Unnecessary

548

iSM18003: Snapshot has been deleted. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>* (*<eeee>*h))

[Classification]　INFO

[Explanation]　It indicates that snapshot deletion was completed.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number

[Measures]　Unnecessary

iSM18004: Restoring snapshot has been started. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>* (*<eeee>*h), generation=*<fff>*)

[Classification]　INFO

[Explanation]　It indicates that snapshot restoring was started.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number
fff	:	SV generation number when restoring was started

[Measures]　Unnecessary

549

iSM18005: Snapshot has been restored. (<*aaa...a*>, BV=<*bbb...b*> (<*cccc*>h), SV=<*ddd...d*> (<*eeee*>h))

[Classification]   INFO

[Explanation]   It indicates that snapshot restoring was completed.

aaa...a   : Disk array name

bbb...b   : BV logical disk name

cccc   : BV logical disk number

ddd...d   : SV logical disk name

eeee   : SV logical disk number

[Measures]   Unnecessary

iSM18006: SV guard was changed. (<*aaa...a*>, SV=<*bbb...b*> (<*cccc*>h), mode=<*dd*>)

[Classification]   INFO

[Explanation]   It indicates that the protection mode of snapshot-volume was changed.

aaa...a   : Disk array name

bbb...b   : SV logical disk name

cccc   : SV logical disk number

dd   : Protection mode setting state (on, off)

[Measures]   Unnecessary

550

iSM18007: Snapshot was cancelled. (<*aaa...a*>, BV=<*bbb...b*> (<*cccc*>h), SV=<*ddd...d*> (<*eeee*>h), generation=<*fff*>)

[Classification]   ERROR

[Explanation]   It indicates that snapshot was cancelled due to insufficient capacity of snapshot reserve area or other cause. Snapshot data is no longer accessible once snapshot is cancelled.

For Windows, this message is target of ESMPRO Manager Report.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number
fff	:	SV generation number

[Measures]   Check the status of snapshot reserve area. If the free space is not sufficient, expand the snapshot reserve area or delete unnecessary snapshots. For details on procedures, refer to "Snapshot User's Manual (Function Guide)".

iSM18008: Snapshot was nullified. (<*aaa...a*>, BV=<*bbb...b*> (<*cccc*>h), SV=<*ddd...d*> (<*eeee*>h), generation=<*fff*>)

[Classification]   NOTICE

[Explanation]   It indicates that snapshot was nullified because an old snapshot is restored.

Snapshot data is no longer accessible once snapshot is nullified.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number
fff	:	SV generation number

[Measures]   Create snapshot if necessary.

iSM18201: Failed to create snapshot. (<*aaa...a*>, BV=<*bbb...b*> (<*cccc*>h), SV=<*ddd...d*> (<*eeee*>h), code=<*fff...f*>)

[Classification]   WARNING

[Explanation]   It indicates that snapshot creation failed.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number
fff...f	:	Error code indicating the type of abnormal state

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-execute.

552

iSM18202: Failed to delete snapshot. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>* (*<eeee>*h), generation=*<fff>*, code=*<ggg...g>*)

[Classification]   WARNING

[Explanation]   It indicates that snapshot deletion failed.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number
fff	:	SV generation number
ggg...g	:	Error code indicating the type of abnormal state

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-execute.

iSM18203: Failed to restore snapshot. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>* (*<eeee>*h), generation=*<fff>*, code=*<ggg...g>*)

[Classification]   WARNING

[Explanation]   It indicates that snapshot restoring failed.

aaa...a	:	Disk array name
bbb...b	:	BV logical disk name
cccc	:	BV logical disk number
ddd...d	:	SV logical disk name
eeee	:	SV logical disk number
fff	:	SV generation number
ggg...g	:	Error code indicating the type of abnormal state

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-execute.

553

iSM18204: Failed to change SV guard of snapshot-volume. (<*aaa...a*>, SV=<*bbb...b*> (<*cccc*>h), code=<*ddd...d*>)

[Classification]   WARNING

[Explanation]   It indicates that the protection mode of snapshot-volume cannot be changed.

aaa...a	:	Disk array name
bbb...b	:	SV logical disk name
cccc	:	SV logical disk number
ddd...d	:	Error code indicating the type of abnormal state

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-execute.

iSM18205: Monitoring stopped. (<*aaa...a*>)

[Classification]   WARNING

[Explanation]   It indicates that monitoring of snapshot function stopped due to faults.

aaa...a   :   Disk array name

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-start disk array monitoring.

iSM18301: System call error has occurred. (func=<*aaa...a*>, code=<*bbb...b*>, errno=<*cccc*>)

[Classification]   ERROR

[Explanation]   It indicates that a system call error has occurred.

    aaa...a   : Abnormally terminated function name

    bbb...b   : Internal error code indicating the type of abnormal state

    cccc   : Error number

[Measures]   Take necessary measures by checking the function name and error number and restart the iSM server.

iSM18302: Internal error has occurred. (code=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   It indicates that the information within the server is inconsistent.

    aaa...a   : Error code indicating the type of abnormal state

[Measures]   Collect necessary information according to the iSM error information collection procedure, and restart the iSM server.

iSM18303: Parameter error has occurred. (code=<*aaa...a*>)

[Classification]   WARNING

[Explanation]   It indicates that a parameter error was detected.

    aaa...a   : Error code indicating the type of abnormal state

[Measures]   Collect necessary information according to the iSM error information collection procedure, and restart the iSM server.

555

iSM18311: Internal communication error has occurred. (code=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   In indicates that an internal communication error has occurred.

aaa...a   :   Internal error code indicating the type of abnormal state

[Measures]   Collect necessary information according to the iSM error information collection procedure, and restart the iSM server.

iSM18321: Access to diskarray was failed. (<*aaa...a*>, code=<*bbb...b*>, <*ccc...c*>)

[Classification]   WARNING

[Explanation]   It indicates that access to disk array failed.

aaa...a   :   Disk array name
bbb...b   :   Detail code
ccc...c   :   Additional information

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-execute. the operation if necessary.

556

iSM18501: Access mode was changed. (*<aaa...a>*, LD=*<bbb...b>* (*<cccc>*h), mode from *<ddd...d>* to *<eee...e>*)

[Classification] INFO

[Explanation] It indicates that the volume access mode was changed.

aaa...a : Disk array name

bbb...b : Logical disk name

cccc : Logical disk number

ddd...d : Access mode before change

eee...e : Access mode after change

[Measures] Unnecessary

iSM18502: Logical disk was linked to link-volume.(*<aaa...a>*,LV=(*<bbb...b>*(*<cccc>*h), LD=(*<ddd...d>*(*<eeee>*h))

[Classification] INFO

[Explanation] It indicates that the volume was linked to the link-volume.

aaa...a : Disk array name

bbb...b : Logical disk name of link-volume

cccc : Logical disk number of link-volume

ddd...d : Logical disk name of destination-volume

eeee : Logical disk number of destination-volume

[Measures] Unnecessary

557

iSM18503: Logical disk was unlinked from link-volume.(*\<aaa...a\>*,LV=*\<bbb...b\>*(\<*cccc*\>h), LD=*\<ddd...d\>*(\<*eeee*\>h))

[Classification]   INFO

[Explanation]   It indicates that the volume was unlinked from the link-volume.

aaa...a   : Disk array name

bbb...b   : Logical disk name of link-volume

cccc   : Logical disk number of link-volume

ddd...d   : Logical disk name of destination-volume

eeee   : Logical disk number of destination-volume

[Measures]   Unnecessary

iSM18601: Failed to change access mode. (*\<aaa...a\>*, LD=*\<bbb...b\>* (\<*cccc*\>h), mode=*\<ddd...d\>*), code=*\<eee...e\>*)

[Classification]   WARNING

[Explanation]   It indicates that the volume access mode cannot be changed.

aaa...a   : Disk array name

bbb...b   : Logical disk name

cccc   : Logical disk number

ddd...d   : Access mode before change

eee...e   : Error code indicating the type of abnormal state

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-execute.

558

iSM18602: Failed to link logical disk to link-volume.(<*aaa...a*>,LV=<*bbb...b*>(<*cccc*>h), LD=<*ddd...d*>(<*eeee*>h),code=<*fff...f*>)

[Classification]   WARNING

[Explanation]   It indicates that the volume cannot be linked to the link-volume.

aaa...a	:	Disk array name
bbb...b	:	Logical disk name of link-volume
cccc	:	Logical disk number of link-volume
ddd...d	:	Logical disk name of destination-volume
eeee	:	Logical disk number of destination-volume
fff...f	:	Error code indicating the type of abnormal state

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-execute.

iSM18603: Failed to unlink logical disk from link-volume.(<*aaa...a*>,LV=<*bbb...b*>(<*cccc*>h), LD=<*ddd...d*>(<*eeee*>h),code=<*fff...f*>)

[Classification]   WARNING

[Explanation]   It indicates that the volume cannot be unlinked from the link-volume.

aaa...a	:	Disk array name
bbb...b	:	Logical disk name of link-volume
cccc	:	Logical disk number of link-volume
ddd...d	:	Logical disk name of destination-volume
eeee	:	Logical disk number of destination-volume
fff...f	:	Error code indicating the type of abnormal state

[Measures]   Check the status of disk array referring to other related messages and remove the error cause, for example, by repairing the fault. Then, re-execute.

559

iSM18999: Unexpected error has occurred. (code=<*aaa...a*>)

[Classification]   WARNING

[Explanation]   In indicates that an unexpected error has occurred.

aaa...a   : Error code indicating the type of abnormal state

[Measures]   Collect necessary information according to the iSM error information collection procedure, and restart the iSM server.

560

iSM19000 ~

iSM19000: <aaa...a>

[Classification]   INFO

[Explanation]   Executed command line.

          aaa...a   : Entered character string

[Measures]   Unnecessary

iSM19010: iSMsc_create has normally terminated.

[Classification]   INFO

[Explanation]   iSMsc_create command normal termination message.

[Measures]   Unnecessary

iSM19011: iSMsc_create has normally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification]   INFO

[Explanation]   iSMsc_create command normal termination message.

          aaa...a   : Volume name

          bbb...b   : Volume name

[Measures]   Unnecessary

iSM19012: iSMsc_create has abnormally terminated.

[Classification]   INFO

[Explanation]   iSMsc_create command abnormal termination message.

[Measures]   Check the message displayed immediately before to handle it.

561

iSM19013: iSMsc_create has abnormally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification]   INFO

[Explanation]   iSMsc_create command abnormal termination message.

aaa...a   :   Volume name

bbb...b   :   Volume name

[Measures]   Check the message displayed immediately before to handle it.

iSM19020: iSMsc_delete has normally terminated.

[Classification]   INFO

[Explanation]   iSMsc_delete command normal termination message.

[Measures]   Unnecessary

iSM19021: iSMsc_delete has normally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification]   INFO

[Explanation]   iSMsc_delete command normal termination message.

aaa...a   :   Volume name

bbb...b   :   Volume name

[Measures]   Unnecessary

562

iSM19022: iSMsc_delete has abnormally terminated.

[Classification] INFO

[Explanation] iSMsc_delete command abnormal termination message.

[Measures] Check the message displayed immediately before to handle it.

iSM19023: iSMsc_delete has abnormally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification] INFO

[Explanation] iSMsc_delete command abnormal termination message.

aaa...a : Volume name
bbb...b : Volume name

[Measures] Check the message displayed immediately before to handle it.

iSM19030: iSMsc_restore has normally terminated.

[Classification] INFO

[Explanation] iSMsc_restore command normal termination message.

[Measures] Unnecessary

563

iSM19031: iSMsc_restore has normally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification]   INFO

[Explanation]   iSMsc_restore command normal termination message.
  aaa...a   : Volume name
  bbb...b   : Volume name

[Measures]   Unnecessary

iSM19032: iSMsc_restore has abnormally terminated.

[Classification]   INFO

[Explanation]   iSMsc_Restore command abnormal termination message.

[Measures]   Check the message displayed immediately before to handle it.

iSM19033: iSMsc_restore has abnormally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification]   INFO

[Explanation]   iSMsc_restore command abnormal termination message.
  aaa...a   : Volume name
  bbb...b   : Volume name

[Measures]   Check the message displayed immediately before to handle it.

564

iSM19034: iSMsc_restore has accepted the request.

[Classification]   INFO

[Explanation]   It indicates that the iSMsc_restore command has accepted the request.

[Measures]   Unnecessary

iSM19035: iSMsc_restore has accepted the request. [BV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification]   INFO

[Explanation]   It indicates that the iSMsc_restore command has accepted the request.
aaa...a   : Volume name
bbb...b   : Volume name

[Measures]   Unnecessary

iSM19100: The volume under restoration cannot be specified. [BV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because restore operation is
taking place in the specified volume.
aaa...a   : Volume name

[Measures]   Check the status with the query command and re-execute.

565

iSM19101: The volume linked from LV cannot be specified. [{BV|SV}:<*aaa...a*>]

[Classification]　　ERROR

[Explanation]　　It indicates that the request cannot be accepted because BV or SV is linked to LV.

aaa...a　　　:　Volume name

[Measures]　　Remove the link (unlink) with the iSMcc_unlink command and re-execute.

iSM19102: The volume mounted cannot be specified. [BV:<*aaa...a*>]

[Classification]　　ERROR

[Explanation]　　It indicates that the request cannot be accepted because the volume is mounted.

aaa...a　　　:　Volume name

[Measures]　　Unmount the volume and re-execute.

iSM19103: State of specified diskarray is 'freeze'.

[Classification]　　ERROR

[Explanation]　　The disk array where specified BV and SV are stored is in the freeze state.

[Measures]　　Cancel the freeze state and re-execute.

566

iSM19104: The volume is not paired cannot be specified. [BV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the specified volume has no pair setting.

aaa...a   : Volume name

bbb...b   : Volume name

[Measures]   Check the volume and re-execute.

iSM19105: State of specified pair is invalid. (state=<*aaa...a*>) [BV:<*bbb...b*>] [SV:<*ccc...c*>]

[Classification]   ERROR

[Explanation]   Target pair status is invalid. The current status is indicated by aaa...a.

aaa...a   : Target pair status

    Not snap/active.   : Snapshot is not established.

    Not snap/active, snap/inactive.   : Snapshot is (not) established.

bbb...b   : Volume name

ccc...c   : Volume name

[Measures]   Check the volume and re-execute.

iSM19106: The volume of SV guard cannot be specified. [SV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   Protection is specified for the target SV.

aaa...a   : Volume name

[Measures]   Deactivate the protection and re-execute.

567

iSM19107: State of SV's access mode is invalid. (mode=<*aaa...a*>) [SV:<*bbb...b*>]

[Classification]   ERROR

[Explanation]   The command cannot be executed because the SV access restriction is not "Not Ready".

aaa...a   : SV access restriction

       rw   :   Input/output allowed

       ro   :   Read only

       na   :   Access prohibited

bbb...b   : Volume name

[Measures]   Check the access mode and re-execute.

iSM19108: The volume under deletion exists. [BV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because BV contains SV currently being deleted.

aaa...a   :   Volume name

[Measures]   Check that the relevant volume was completely deleted and re-execute.

iSM19109: The volume linked from LV exists. [SV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because BV contains linked SV.

aaa...a   :   Logical disk name of relevant volume

[Measures]   Remove the link of relevant volume (unlink) and re-execute.

568

iSM19110: The volume of SV guard exists. [SV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because BV contains protected SV.

      aaa...a   : Logical disk name of relevant volume

[Measures]   Deactivate the protection for relevant volume and re-execute.

iSM19111: Version of API is invalid.

[Classification]   ERROR

[Explanation]   API version is invalid.

[Measures]   Use the API with the correct version.

iSM19112: Specified volume is wrong. [{BV|SV}:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   There is an error in the specified volume.

      The specified volume does not exist or the attribute (BV or SV) does not match.

      aaa...a   : Volume name

[Measures]   Check the specified volume name and re-execute.

569

iSM19113: Volume list does not exist.

[Classification]   ERROR

[Explanation]   Volume list is invalid. Or, the volume list version is not correct.

[Measures]   Re-create the volume list.

iSM19114: License for snapshot is locked.

[Classification]   ERROR

[Explanation]   The snapshot product has not been purchased.

[Measures]   Purchase the product to perform snapshot operation.

iSM19115: Snapshot function is not supported with this volume.

[Classification]   ERROR

[Explanation]   The snapshot function is not supported.

[Measures]   Snapshot cannot be used.

iSM19116: Specified drive number does not exist.

[Classification]   ERROR

[Explanation]   Disk with the specified disk number does not exist. This message is output on Windows system.

[Measures]   Check the specified physical drive and re-execute.

570

iSM19117: Specified drive type is not supported.(type=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified drive type is not supported. This message is output on Windows system.

aaa...a   : Drive type

Dynamic Disk.	:	Dynamic disk
GPT Partition Disk.	:	GPT partition disk
Multi Partition Disk.	:	Multi partition disks

[Measures]   Partition disk with the GPT (GUID Partition Table) format cannot be used.

iSM19118: Specified volume does not exist in volume list. [{BV|SV}:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   Specified volume does not exist in the volume list.

aaa...a   : Volume name

[Measures]   Check the volume and re-execute or re-create a volume list.

iSM19119: Volume list data is locked by another process.

[Classification]   ERROR

[Explanation]   Volume list is being created/updated by another process.

[Measures]   After completion of a process, retry command execution.

iSM19120: The operation to the volume specified is forbidden. (type=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   The command was issued to the volume of which OS type is not supported. This message is output on Windows system.

aaa...a   : OS type

[Measures]   Check the OS type and re-execute.

iSM19121: SV is not omissible.(Two or more SV(s) exist)

[Classification]   ERROR

[Explanation]   SV was omitted at execution for BV built with multiple SVs.   You should specify the parameter to identify an SV if several SVs exist.

[Measures]   Specify SV and re-execute.

iSM19122: The volume under execution of replication function cannot be specified. [BV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the replication function is copying data in the specified volume.

aaa...a   : Volume name

[Measures]   Check the volume and re-execute.

572

iSM19123: The volume which is not recognized cannot be specified. [BV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the command was issued to the volume invisible to the self host.

aaa...a   :   Volume name

[Measures]   Check the volume and re-execute.

iSM19124: SV of snap/inactive is already exist.

[Classification]   INFO

[Explanation]   The SV with snapshot inactive (snap/inactive) already exists.

[Measures]   Unnecessary

iSM19125: Snapshot has been nullified.

[Classification]   INFO

[Explanation]   It indicates that snapshot was nullified because an old snapshot is restored. Snapshot data is no longer accessible once snapshot is nullified.

[Measures]   Unnecessary

iSM19126: Specified SV has been deleted. [SV:<*aaa...a*>]

[Classification]   INFO

[Explanation]   Specified SV has already been deleted.

aaa...a   :   Volume name

[Measures]   Unnecessary

573

iSM19127: Request has already completed.

[Classification]   INFO

[Explanation]   It indicates that the request is already satisfied.

[Measures]   Unnecessary

iSM19200: Mandatory option was not specified. (<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified command does not have some required arguments, or invalid arguments are specified. When -file option is specified, an unavailable option is specified for the pair specified by the snapshot operation file.

aaa...a   : Specified value

[Measures]   Specify the necessary arguments in the command line. If -file option is specified, check the snapshot operation file.

iSM19202: Illegal option value was specified. (<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified option is invalid.

aaa...a   : Specified value

[Measures]   Specify a correct option.

574

iSM19203: Number of BV and SV was not equal.

[Classification]   ERROR

[Explanation]   The number of volumes specified for BV and SV is different. This message is output on UNIX system.

[Measures]   Make the number of BV and SV volumes equal.

iSM19208: Illegal configuration was detected. (file=<*aaa...a*>,line=<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified file contains invalid settings.
aaa...a   :   File name
bbb...b   :   Number of lines

[Measures]   Correct the file and re-execute.

iSM19209: Illegal option value was detected.(file=<*aaa...a*>,line=<*bbb...b* >)

[Classification]   ERROR

[Explanation]   Specified file contains invalid options.
aaa...a   :   File name
bbb...b   :   Number of lines

[Measures]   Correct the file and re-execute.

575

iSM19210: Number of BV and SV was not equal. (file =<*aaa...a*>,line=<*bbb...b*>)

[Classification]   ERROR

[Explanation]   The number of volumes specified for BV and SV is different.

aaa...a   :   File name

bbb...b   :   Number of lines

[Measures]   Make the number of BV and SV volumes equal.

iSM19212: Duplicated targets were detected. (file=<*aaa...a*>,line=<*bbb...b*>)

[Classification]   WARNING

[Explanation]   Specified pair information is defined repeatedly.

aaa...a   :   Volume name

bbb...b   :   Number of lines

[Measures]   Check the volume specification.

iSM19213: Illegal volume flag was specified to be (<*aaa...a*>) option.(manager specification)

[Classification]   ERROR

[Explanation]   Specified volume type is invalid.

aaa...a   :   Specified option

[Measures]   Check the specified volume type. Operations linked with snapshot management allow specifying logical disk name and relative generation.

576

iSM19301: The unexpected error has occurred in iSM/Server. (code=*aaa...a*/*bb*/*ccc...c*)

[Classification]   ERROR

[Explanation]   An unexpected error has occurred.
        aaa...a   : Process number
        bb   : Detail information (This code is not disorder reason but a value
                    for maintenance.)
        ccc...c   : Error detail code

[Measures]   Abnormality was found in message from iSM server. Check status of iSM server.

iSM19302: Specified Diskarray does not exist.

[Classification]   ERROR

[Explanation]   Specified disk array is not under iSM control.

[Measures]   Check that the specified disk array is under iSM control.

iSM19303: State of Diskarray includes specified volume is not monitoring.

[Classification]   ERROR

[Explanation]   Monitoring of specified volume disk array is suspended.

[Measures]   Start disk array monitoring.

iSM19304: Timeout error has occurred in iSM/Server.

[Classification]   ERROR

[Explanation]   Time-out occurred in process of iSM server.

[Measures]   Loads on iSM server may be too heavy. Check status of iSM server and re-execute.

577

iSM19305: The timeout was detected by waiting of communication with iSM/Server.

[Classification]   ERROR

[Explanation]   Time-out occurred in socket exclusive control.

[Measures]   Another process may control the socket. Check status of iSM server and re-execute.

iSM19306: Failed to connect iSM/Server.(errno=<*aaa...a*>, phase=<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Failed in connecting the socket.
aaa...a   :   System call error number
bbb...b   :   Error detail code

[Measures]   Check status of iSM server.

iSM19307: Failed to receive from iSM/Server.(errno=<*aaa...a*>, phase=<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Failed in receiving messages from iSM server.
aaa...a   :   System call error number
bbb...b   :   Error detail code

[Measures]   Check connection status of iSM server.

iSM19308: Failed to send to iSM/Server.(errno=<*aaa...a*>, phase=<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Failed in sending messages to iSM server.

aaa...a   : System call error number

bbb...b   : Error detail code

[Measures]   Check connection status of iSM server.

iSM19401: System call error has occurred.(func=<*aaa...a*>, errno=<*bbbb*>, phase=<*ccc...c*>)

[Classification]   ERROR

[Explanation]   System call failed.

aaa...a   : Erroneous system function name

bbb…b   : System call error number

ccc…c   : Error detail code

[Measures]   If operation trace data has been collected, troubleshoot on the basis of operation

trace data and error number, and then remove cause of fault.

iSM19402: Unexpected error occurred. (phase=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   An unexpected error has occurred.

aaa...a   : Error detail code

[Measures]   Check the details and re-execute.

579

iSM19403: Failed to mount.

[Classification]　ERROR

[Explanation]　Mounting failed. This message is output on Windows system.

[Measures]　Check the message displayed immediately before to handle it.

iSM19404: Failed to umount.

[Classification]　ERROR

[Explanation]　Unmounting failed. This message is output on Windows system.

[Measures]　Check the message displayed immediately before to handle it.

iSM19405: Collecting information of display was failed.

[Classification]　ERROR

[Explanation]　Failed in acquiring display information.

[Measures]　Re-execute the command.

iSM19408: Data on SV has been removed. [SV:<*aaa...a*>]

[Classification]　INFO

[Explanation]　It indicates that the iSMsc_restore command has deleted the snapshot newer than the restored one.

aaa...a　　:　Logical disk name

[Measures]　Unnecessary

580

iSM20000 ~

iSM20000: *<aaa...a>*

[Classification]   INFO

[Explanation]   Executed command line.
aaa...a   :   Entered character string

[Measures]   Unnecessary

iSM20010: iSMsc_chgmod has normally terminated.

[Classification]   INFO

[Explanation]   iSMsc_chgmod command normal termination message.

[Measures]   Unnecessary

iSM20011: iSMsc_chgmod has normally terminated. [vol:*<aaa...a>*]

[Classification]   INFO

[Explanation]   iSMsc_chgmod command normal termination message.
aaa...a   :   Volume name

[Measures]   Unnecessary

iSM20012: iSMsc_chgmod has abnormally terminated.

[Classification]   INFO

[Explanation]   iSMsc_chgmod command abnormal termination message.

[Measures]   Check the message displayed immediately before to handle it.

581

iSM20013: iSMsc_chgmod has abnormally terminated. [vol:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   iSMsc_chgmod command abnormal termination message.

aaa...a   : Volume name

[Measures]   Check the message displayed immediately before to handle it.

iSM20020: iSMsc_link has normally terminated.

[Classification]   INFO

[Explanation]   iSMsc_link command normal termination message.

[Measures]   Unnecessary

iSM20021: iSMsc_link has normally terminated. [LV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification]   INFO

[Explanation]   iSMsc_link command normal termination message.

aaa...a   : Volume name

bbb...b   : Volume name

[Measures]   Unnecessary

iSM20022: iSMsc_link has abnormally terminated.

[Classification]   INFO

[Explanation]   iSMsc_link command abnormal termination message.

[Measures]   Check the message displayed immediately before to handle it.

582

iSM20023: iSMsc_link has abnormally terminated. [LV:<*aaa...a*>] [SV:<*bbb...b*>]

[Classification] INFO

[Explanation] iSMsc_link command abnormal termination message.
aaa...a : Volume name
bbb...b : Volume name

[Measures] Check the message displayed immediately before to handle it.

iSM20030: iSMsc_unlink has normally terminated.

[Classification] INFO

[Explanation] iSMsc_unlink command normal termination message.

[Measures] Unnecessary

iSM20031: iSMsc_unlink has normally terminated. [LV:<*aaa...a*>][SV:<*bbb...b*>]

[Classification] INFO

[Explanation] iSMsc_unlink command normal termination message.
aaa...a : Volume name
bbb...b : Volume name

[Measures] Unnecessary

583

iSM20032: iSMsc_unlink has abnormally terminated.

[Classification]   INFO

[Explanation]   iSMsc_unlink command abnormal termination message.

[Measures]   Check the message displayed immediately before to handle it.

iSM20033: iSMsc_unlink has abnormally terminated. [LV:<*aaa...a*>][SV:<*bbb...b*>]

[Classification]   INFO

[Explanation]   iSMsc_unlink command abnormal termination message.
aaa...a   ： Volume name
bbb...b   ： Volume name

[Measures]   Check the message displayed immediately before to handle it.

iSM20100: Unpaired volumes cannot be specified. [SV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the specified volume has
no pair setting.
aaa...a   ： Volume name

[Measures]   Check the status with the query command and re-execute.

584

iSM20101: The volume from which capacity is different cannot be specified. [LV:<*aaa...a*>] [{BV|SV}:<*bbb...b*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the capacity of LV is different from that of BV or SV.

    aaa...a   : Volume name

    bbb...b   : Volume name

[Measures]   Check the volume capacity and re-execute.

iSM20102: The Volume from which volume type is different type cannot be specified. [LV:<*aaa...a*>] [{BV|SV}:<*bbb...b*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the OS type of LV is different from that of BV or SV.

    aaa...a   : Volume name

    bbb...b   : Volume name

[Measures]   Check the volume capacity and re-execute.

iSM20103: Specified volume has another link. [{LV|BV|SV}:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the volume is already linked.

    aaa...a   : Volume name of relevant volume

[Measures]   Check the link status and re-execute.

585

iSM20104: State of SV's access mode is invalid. (mode=<*aaa...a*>) [SV:<*bbb...b*>]

[Classification]　ERROR

[Explanation]　It indicates that the request cannot be accepted because the access restriction of specified volume is not "Not Ready".

　　　　aaa...a　　　:　Access restriction of specified volume

　　　　　　　rw　:　Input/output allowed

　　　　　　　ro　:　Read only

　　　　　　　na　:　Access prohibited

　　　　bbb...b　　:　Volume name

[Measures]　Change the access restriction to "Not Ready" and re-execute.

iSM20106: Targets volumes are not linked. [LV:<*aaa...a*>] [{BV|SV}:<*bbb...b*>]

[Classification]　ERROR

[Explanation]　Specified volume is not linked.

　　　　aaa...a　　　:　Volume name

　　　　bbb...b　　:　Volume name

[Measures]　Check the link status of specified volume and re-execute.

iSM20107: The volume mounted cannot be specified. [LV:<*aaa...a*>]

[Classification]　ERROR

[Explanation]　The link cannot be removed because specified volume is mounted.

　　　　aaa...a　　　:　Volume name of LV

[Measures]　Check the status of specified volume and re-execute.

586

iSM20108: SV which is not snap/active cannot be specified. [SV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   Link cannot be set because SV with snapshot inactive is specified as link connection volume.

    aaa...a   : Volume name

[Measures]   Check the SV status and re-execute.

iSM20109: The volume which is not link target volume cannot be specified. [{BV|SV}:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   Specified volume is not to be linked to LV.

    aaa...a   : Volume name

[Measures]   Register the connection volume to the link control list and re-execute.

iSM20112: Specified volume is wrong. [{LV|BV|SV|VOL}:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   There is an error in the specified volume.

The specified volume does not exist or the attribute (BV or SV) does not match.

    aaa...a   : Volume name

[Measures]   Check the specified volume name and re-execute.

iSM20116: Version of API is invalid.

[Classification]   ERROR

[Explanation]   API version is invalid.

[Measures]   Use the API with the correct version.

iSM20117: License for snapshot is locked.

[Classification]   ERROR

[Explanation]   The snapshot product has not been purchased.

[Measures]   Purchase the product to perform snapshot operation.

iSM20118: Snapshot function is not supported with this volume.

[Classification]   ERROR

[Explanation]   The snapshot function is not supported.

[Measures]   Snapshot cannot be used.

iSM20119: Specified volume does not exist in volume list.
[{BV|SV|LV|VOL}:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   Specified volume does not exist in the volume list.
aaa...a   : Volume name

[Measures]   Check the volume and re-execute or re-create a volume list.

588

iSM20120: Link information does not exist. [VOL:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   The command cannot be executed because the specified volume is neither LV nor link target volume.
aaa...a   : Volume name

[Measures]   Check the volume and re-execute.

iSM20121: The volume which is not recognized cannot be specified. [BV:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the command was issued to the volume invisible to the self host.
aaa...a   : Volume name

[Measures]   Check the volume and re-execute.

iSM20122: The volume which is not linked cannot be specified. [VOL:<*aaa...a*>]

[Classification]   ERROR

[Explanation]   It indicates that the request cannot be accepted because the specified volume is not linked.
aaa...a   : Volume name

[Measures]   Check the link status and re-execute.

589

iSM20123: State of specified diskarray is 'freeze'.

[Classification]   ERROR

[Explanation]   The disk array where specified volume is stored is in the freeze state.

[Measures]   Cancel the freeze state and re-execute.

iSM20200: Mandatory option was not specified.(<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified command does not have some required options. () may or may not be
displayed.
aaa...a   :   Option name

[Measures]   Specify the necessary arguments in the command line.

iSM20201: Illegal option was specified.(<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified option is invalid or options that cannot be specified at the same time
are specified.
aaa...a   :   Option name

[Measures]   Specify a correct option.

iSM20202: Illegal option value was specified.(<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified option is invalid.
aaa...a   :   Specified value

[Measures]   Specify a correct value.

590

iSM20203: Specified volume group does not exist.(vg=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified volume group is invalid.

                aaa...a   : Volume group

[Measures]   Specify a correct volume group.

iSM20204: Specified disk group does not exist.(dg=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified disk group is invalid.

                aaa...a   : Disk group

[Measures]   Specify a correct disk group.

iSM20205: Duplicated targets were detected. (file=<*aaa...a*>, line=<*bbb...b*>)

[Classification]   WARNING

[Explanation]   Specified pair information is defined repeatedly.

                aaa...a   : File name

                bbb...b   : Number of lines

[Measures]   Check the volume specification.

591

iSM20206: Specified file does not exist. (file=<*aaa...a*>)

[Classification]　ERROR

[Explanation]　Specified file does not exist.
aaa...a　　　:　File name

[Measures]　Specify a correct file name.

iSM20207: Specified file is invalid.(illegal file type) (file=<*aaa...a*>)

[Classification]　ERROR

[Explanation]　The specified file type cannot be processed.
aaa...a　　　:　File name

[Measures]　Specify the file created by the regular file. (UNIX)
Specify a file created as a text file. (Windows)

iSM20208: Illegal configuration was detected. (file=<*aaa...a*>, line=<*bbb...b*>)

[Classification]　ERROR

[Explanation]　Specified file contains invalid settings.
aaa...a　　　:　File name
bbb…b　　　:　Number of lines

[Measures]　Correct the file and re-execute.

iSM20209: Illegal option value was detected. (file=<*aaa...a*>, line=<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Specified file contains invalid options.

[Measures]   Correct the file and re-execute.

iSM20210: Empty file cannot be specified. (file=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified file is empty.
aaa...a   : File name

[Measures]   Check the file and re-execute.

iSM20211: Illegal volume flag was specified to be (<*aaa...a*>) option.(manager specification)

[Classification]   ERROR

[Explanation]   Specified volume type is invalid.
aaa...a   : Specified option

[Measures]   Check the specified volume type. Operations linked with snapshot management allow specifying logical disk name and relative generation.

593

iSM20301: The unexpected error has occurred in iSM/Server. (code=*aaa...a*/*bb*/*ccc...c*)

[Classification]   ERROR

[Explanation]   An unexpected error has occurred.

aaa...a   : Process number

bb   : Detail information (This code is not disorder reason but a value
                  for maintenance.)

ccc...c   : Error detail code

[Measures]   Abnormality was found in message from iSM server. Check status of iSM server.

iSM20302: Specified Diskarray does not exist.

[Classification]   ERROR

[Explanation]   Specified disk array is not under iSM control.

[Measures]   Check that the specified disk array is under iSM control.

iSM20303: State of Diskarray includes specified volume is not monitoring.

[Classification]   ERROR

[Explanation]   Monitoring of specified volume disk array is suspended.

[Measures]   Start disk array monitoring.

594

iSM20304: Timeout error has occurred in iSM/Server.

[Classification]   ERROR

[Explanation]   Time-out occurred in process of iSM server.

[Measures]   Loads on iSM server may be too heavy. Check status of iSM server and re-execute.

iSM20305: The timeout was detected by waiting of communication with iSM/Server.

[Classification]   ERROR

[Explanation]   Time-out occurred in socket exclusive control.

[Measures]   Another process may control the socket. Check status of iSM server and re-execute.

iSM20306: Failed to connect iSM/Server.(errno=<*aaa...a*>, phase=<*bbb...b*>)

[Classification]   ERROR

[Explanation]   Failed in connecting the socket.
    aaa...a   : System call error number
    bbb...b   : Error detail code

[Measures]   Check status of iSM server.

595

iSM20307: Failed to receive from iSM/Server.(errno=<*aaa...a*>, phase=<*bbb...b*>)

[Classification]　ERROR

[Explanation]　Failed in receiving messages from iSM server.

aaa...a　：System call error number

bbb...b　：Error detail code

[Measures]　Check connection status with iSM server.

iSM20308: Failed to send to iSM/Server.(errno=<*aaa...a*>, phase=<*bbb...b*>)

[Classification]　ERROR

[Explanation]　Failed in sending messages from iSM server.

aaa...a　：System call error number

bbb...b　：Error detail code

[Measures]　Check connection status with iSM server.

iSM20401: System call error has occurred.(func=<*aaa...a*>, errno=<*bbbb*>, phase=<*ccc…c*>)

[Classification]　ERROR

[Explanation]　System call failed.

aaa...a　：Erroneous system function name

bbbb　：System call error number

ccc...c　：Error detail code

[Measures]　If operation trace data has been collected, troubleshoot on the basis of operation trace data and error number, and then remove cause of fault.

596

iSM20402: Unexpected error occurred.
(phase=<*aaa...a*>)

[Classification]   ERROR

[Explanation]   An unexpected error has occurred.

aaa...a   :   Error detail code

[Measures]   Check the details and re-execute.

iSM20403: SCSI I/O error is detected.
(device=*aaaa*, cdb
=*bbbb*,status=*cccc*/*dddd*/*ee*/*ff*/*gg*)

[Classification]   ERROR

[Explanation]   An error has occurred during SCSI command execution.

aaa...a	:	Failed device name
bbbb	:	Command Descriptor Block of issued command
cccc	:	SCSI command execution result
dddd	:	SCSI sense result
ee	:	SCSI sense information SenseKey
ff	:	SCSI sense information SenseCode
gg	:	SCSI sense information Qualifier

[Measures]   Re-execute the command.

597

iSM20404: Control path is blockaded.
(device=*aaaa*, cdb
=*bbbb*,status=*cccc*/*dddd*/*ee*/*ff*/*gg*)

[Classification]   WARNING

[Explanation]   Paths are switched.

aaa...a	:	Failed device name
bbbb	:	Command Descriptor Block of issued command
cccc	:	SCSI command execution result
dddd	:	SCSI sense result
ee	:	SCSI sense information SenseKey
ff	:	SCSI sense information SenseCode
gg	:	SCSI sense information Qualifier

[Measures]   Unnecessary

iSM20405: Illegal device is specified. (<*aaa...a*>)

[Classification]   ERROR

[Explanation]   Specified device is invalid.

aaa...a   :   The following error detail information

No such Device.	: Specified device cannot be found.
Not character device.	: Specified device is not a character device.
Not path through device.	: The SCSI path through device corresponding to the specified device cannot be found.

[Measures]   Check the parameter details and re-execute.

598

iSM20406: Failed to umount.

[Classification]   ERROR

[Explanation]   Unmounting failed.

This message is output on Windows system.

[Measures]   Check the message displayed immediately before to handle it.

599

iSM99000 ~

iSM99001: Connected with iSM server (Server=<*aaa...a*>, Port=<*bbb...b*>, User=<*ccc...c*>, Client=<*ddd...d*>)

[Classification]　　INFO

[Explanation]　　It has connected with the server (internal message of iSM client).

　　aaa...a　　:　Server name

　　bbb...b　　:　Port name

　　ccc...c　　:　User name

　　ddd...d　　:　Client name

iSM99002: Disconnected with iSM server (Server=<*aaa...a*>, Port=<*bbb...b*>, User=<*ccc...c*>, Client=<*ddd...d*>)

[Classification]　　INFO

[Explanation]　　It was disconnected with the server (internal message of iSM client).

　　aaa...a　　:　Server name

　　bbb...b　　:　Port name

　　ccc...c　　:　User name

　　ddd...d　　:　Client name

600

iSMnetconf: 001 ~

iSMnetconf: 001 Command complete successfully.

[Classification]   INFO

[Explanation]   Succeeded in command execution.

[Measures]   Unnecessary

iSMnetconf: 101 Command has failed. (*<aaa...a>*)

[Classification]   INFO

[Explanation]   Failed in SCSI command execution.
aaa...a   :   Additional information

[Measures]   Service processor was not set correctly.   Check that no problem exists in the
specified parameter, or the connection between host and disk array is normal.

iSMnetconf: 111 Internal error has occurred. (*<aaa...a>*)

[Classification]   INFO

[Explanation]   An internal error occurred.
aaa...a   :   Additional information

[Measures]   Service processor was not set correctly.   Check that no problem exists in
operating environment of this command, and connection between host and disk
array is normal.

601

iSMnetconf: 112 Changed to the alternative path. (*<aaa...a>*)

[Classification]   INFO

[Explanation]   Switched to alternative path.
aaa...a   :   Additional information

[Measures]   Unnecessary

iSMnetconf: 201 Resource does not exist. (*<aaa...a>*)

[Classification]   INFO

[Explanation]   Applicable resource does not exist.
aaa...a   :   Additional information

[Measures]   Check that service processor has been installed.

iSMnetconf: 202 Many target resources exist.

[Classification]   INFO

[Explanation]   Two or more applicable resources exist.

[Measures]   Specify an applicable resource.

iSMnetconf: 203 Only root can execute.

[Classification]   INFO

[Explanation]   Execution is allowed for root-authorized user only.

[Measures]   Execute by a root-authorized user.

iSMnetconf: 211 Specified Disk Array Subsystem is not supported. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Specified disk array is not supported by this program.
aaa...a   :   Additional information

[Measures]   Specify a special file that indicates disk array that is applicable to this program.

iSMnetconf: 212 Specified Disk Array Subsystem is set by another maintenance tool. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Specified disk array is being set by other tool.
aaa...a   :   Additional information

[Measures]   For executing this program, terminate the setting by other tool.

iSMnetconf: 221 Specified option is illegal. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Specified option is invalid.
aaa...a   :   Additional information

[Measures]   Specify a valid option.

603

iSMnetconf: 222 Specified parameter is illegal. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　　Specified parameter is invalid.
　　　　　　　　　 aaa...a　　：Additional information

[Measures]　　　　Specify a valid parameter.

iSMnetconf: 223 Specified IP Address is alive. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　　Specified IP address is being used by other network device.
　　　　　　　　　 aaa...a　　：Additional information

[Measures]　　　　Specify an IP address that is not used by other network device.

iSMnetconf: 224 Specified IP Address is illegal. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　　Specified IP address is invalid.
　　　　　　　　　 aaa...a　　：Additional information

[Measures]　　　　Specify a valid IP address.

604

iSMnetconf: 225 Specified Subnet Mask is illegal. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　Specified subnet mask is invalid.
　　　　　　　　aaa...a　　：Additional information

[Measures]　　Specify a valid subnet mask.

iSMnetconf: 226 Specified Gateway Address is illegal. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　Specified gateway address is invalid.
　　　　　　　　aaa...a　　：Additional information

[Measures]　　Specify a valid gateway address.

iSMnetconf: 227 Specified IP Address is duplicated. (<*aaa...a*>)

[Classification]　　INFO

[Explanation]　　Specified IP address is duplicated.
　　　　　　　　aaa...a　　：Additional information

[Measures]　　The same IP address cannot be specified by multiple parameters.　Specify an IP address with no duplication.

iSMnetconf: 228 Specified IP Address is already registered. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Specified IP address has already been registered.
aaa...a   : Additional information

[Measures]   Specify an IP address that has not yet been registered.

iSMnetconf: 229 Specified IP Address is not registered. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   Specified IP address has not been registered.
aaa...a   : Additional information

[Measures]   Specify an IP address that has already been registered.

iSMnetconf: 230 An IP Address cannot be registered any more. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   No more IP addresses can be specified
aaa...a   : Additional information

[Measures]   No more IP addresses can be specified because the number of IP addresses to be

registered to disk array will be exceeded.

iSMnetconf: 241 Specified file cannot be read.

[Classification]   INFO

[Explanation]   Specified file cannot be read.

[Measures]   Check that specified file name is correct and authority to access file is given.

iSMnetconf: 242 File format is illegal. (<*aaa...a*>)

[Classification]   INFO

[Explanation]   File format is illegal.
aaa...a   :   Additional information

[Measures]   Check that setting file format is correct.

607

iSMprfarc: 101 ~

iSMprfarc: 101 Not PSL file -- *<aaa...a>*

[Explanation]   The specified file is not a statistic info file.

aaa...a   : Specified file name

[Measures]   Specify the correct file.

iSMprfarc: 102 Can't open file -- *<aaa...a>* func=*<bbb...b>* errno=*<cccc>*

[Explanation]   The input file or output file cannot be opened.

aaa...a   : Name of the file to be opened

bbb...b   : Name of the function where the error occurred

cccc   : Error number

[Measures]   Specify a correct file, or specify an appropriate access right.

iSMprfarc: 103 Can't open directory -- *<aaa...a>* func=*<bbb...b>* errno=*<cccc>*

[Explanation]   The specified directory cannot be opened.

aaa...a   : Name of the file to be opened

bbb...b   : Name of the function where the error occurred

cccc   : Error number

[Measures]   Specify a correct directory, or specify an appropriate access right.

iSMprfarc: 104 Invalid option -- *<aaaa>*

[Explanation]   The specified option is erroneous.

aaaa   : Specified option

[Measures]   Specify the correct option.

608

iSMprfarc: 105 Can't input multi-level file

[Explanation]　　　Statistic information history files and statistic information primary summarized
　　　　　　　　files cannot be mixed.

[Measures]　　　　Specify either statistic information history files or statistic information primary
　　　　　　　　summarized files.

iSMprfarc: 106 Out of range -- *\<aaaa\>*

[Explanation]　　　The specified target period of summarizing is erroneous.   Any periods prior to
　　　　　　　　1970 or in the future cannot be specified.
　　　　　　　　aaaa　　　　:　Specified target period of summarizing

[Measures]　　　　Specify the correct target period of summarizing.

iSMprfarc: 107 Can't find target file

[Explanation]　　　The specified directory does not contain the statistic info files corresponding to
　　　　　　　　the target period of summarizing.

[Measures]　　　　Specify a correct directory or target period of summarizing.

iSMprfarc: 108 No more archiving -- *\<aaa...a\>*

[Explanation]　　　Statistic information secondary summarized files cannot be summarized.
　　　　　　　　aaa...a　　　:　Name of the specified file

[Measures]　　　　Specify either statistic information history files or statistic information primary
　　　　　　　　summarized files.

iSMprfarc: 109 Can't allocate memory

[Explanation]　　　Sufficient memory to perform summarizing process cannot be reserved.

[Measures]　　　　Remove the cause of insufficient memory, or check whether the specified
　　　　　　　　statistic info file is damaged or not.

609

iSMprfarc:　110 Read error -- *\<aaa...a\>* func=*\<bbb...b\>* errno=*\<cccc\>*

[Explanation]　　Read of the statistic info file failed.

　　aaa...a　　　：　Name of the file which was read

　　bbb...b　　　：　Name of the function where the error occurred

　　cccc　　　　：　Error number

[Measures]　　Remove the cause of read failure, or check whether the specified statistic info file is damaged or not.

iSMprfarc:　111 Write error -- *\<aaa...a\>* func=*\<bbb...b\>* errno=*\<cccc\>*

[Explanation]　　Write to the output file failed.

　　aaa...a　　　：　Name of the file which to be written

　　bbb...b　　　：　Name of the function where the error occurred

　　cccc　　　　：　Error number

[Measures]　　Remove the cause of write failure.

iSMprfarc:　112 Record broken [-- *\<aaa...a\>*]

[Explanation]　　The record of the input statistic info file is damaged.

　　aaa...a　　　：　Specified file name

[Measures]　　Damaged statistic info files cannot be summarized.　Remove them from the target files.

610

iSMprfarc: 120 Illegal file format -- *\<aaa...a\>*

[Explanation] The specified file is a wrong file that is not the statistic information history
file/statistic information summarized file, or a statistic information file of
unprocessable version.

aaa...a   : Name of the wrong file

[Measures] Check the specified file.

iSMprfarc: 201 Warning: Find discontinuous file

[Explanation] A period where statistic information is discontinuous is detected in secondary
summarizing or direct secondary summarizing.   Some files may be missing.   It
is assumed that the configuration change occurred, and summarizing process
continues.

[Measures] Check if the target files are complete.

iSMprfctl 001 ~

iSMprfctl 001:   Command completed successfully

[Explanation] The command was executed successfully.

[Measures] Unnecessary

iSMprfctl 010:   Missing option   -- *\<aaa...a\>*

[Explanation] The mandatory option has not been specified.

aaa...a   : Name of the mandatory option

[Measures] Specify the mandatory option, and then re-execute the command.

611

iSMprfctl 011: Illegal option -- *<aaa...a>*

[Explanation]   An illegal option was specified.

                aaa...a   : Name of the illegal option

[Measures]   Specify the correct option, and then re-execute the command.

iSMprfctl 012: Missing option value -- *<aaa...a>*

[Explanation]   No value has been specified in the option.

                aaa...a   : Name of the option in which no value has been specified

[Measures]   Specify a value in the option, and then re-execute the command.

iSMprfctl 013: Illegal option value -- *<aaa...a> <bbb...b>*

[Explanation]   The specified option contains an illegal value.

                aaa...a   : Name of the option containing an illegal value

                bbb...b   : Specified value

[Measures]   Specify a correct value in the option, and then re-execute the command.

iSMprfctl 020: iSMsvr is not ready

[Explanation]   The iSM server has not started.

[Measures]   Start the iSM server, and then re-execute the command.

612

iSMprfctl 021: Specified Disk Array is invalid

[Explanation]   The command cannot be executed for the specified disk array because of the following:

- The specified disk array is not one to be monitored by iSM.
- The specified disk array is not permitted to use the performance optimization function.

[Measures]   Check for the specified disk array name or the available product status.

iSMprfctl 022: Specified Disk Array is not monitored

[Explanation]   Monitoring of the specified disk array has stopped, and the command cannot be executed.

[Measures]   Restart the monitoring of the disk array, and then re-execute the command.

iSMprfctl 023: Specified Disk Array is not in normal state

[Explanation]   The specified disk array is not in normal state, and the command cannot be executed.

[Measures]   Rebuild the disk array, and then re-execute the command.

613

iSMprfctl 030: Specified Logical Disk is invalid

[Explanation]   The specification of the logical disk to be moved is invalid.

Check:

- if the specified logical disk exists in the specified disk array.
- if the specified logical disk is defined as a work disk for optimization.
- if the specified logical disk is defined as a cache resident disk.

[Measures]   Review the specification of the logical disk to be moved, and then re-execute the command.

iSMprfctl 031: Specified Optimization Work Disk is invalid

[Explanation]   The specification of the work disk for optimization is invalid.

Check:

- if the specified work disk for optimization exists in the specified disk array.
- if the attributes of the specified work disk for optimization are correct.
- if the specified work disk for optimization is defined as a cache resident disk.

[Measures]   Review the specification of the work disk for optimization, and then re-execute the command.

iSMprfctl 032: Disk Capacity is different

[Explanation]   The logical disk to be moved and the work disk for optimization have a different capacity, and the logical disk cannot be moved.

[Measures]   Review the specification of the logical disk to be moved and the work disk for optimization, and then re-execute the command.

614

iSMprfctl 033: Specified Logical Disk is multi rank type

[Explanation] The specified logical disk to be moved is a multi-RANK disk, and it cannot be moved.

[Measures] Review the specification of the logical disk to be moved, and then re-execute the command.

iSMprfctl 035: Specified Logical Disk and Optimization Work Disk are in the same rank

[Explanation] The logical disk to be moved and the work disk for optimization exist in the same RANK, and the logical disk cannot be moved.

[Measures] Review the specification of the logical disk to be moved and the work disk for optimization, and then re-execute the command.

iSMprfctl 036: Specified Logical Disk name overlaps

[Explanation] The name of the specified logical disk to be moved is identical to the name of another disk in the specified disk array.

[Measures] Correct the volume format specification of the logical disk to be moved, and then re-execute the command.

615

iSMprfctl 037:   Specified Optimization Work Disk name overlaps

[Explanation]   The name of the specified work disk for optimization is identical to the name of
                     another disk in the specified disk array.

[Measures]   Correct the volume format specification of the work disk for optimization, and
                     then re-execute the command.

iSMprfctl 040:   Specified Logical Disk is under moving

[Explanation]   The specified logical disk to be moved is already moving.

[Measures]   Review the specification of the logical disk to be moved, and then re-execute the
                     command.

iSMprfctl 041:   Specified Optimization Work Disk is under moving

[Explanation]   The specified work disk for optimization is already moving.

[Measures]   Review the specification of the work disk for optimization, and then re-execute
                     the command.

iSMprfctl 042:   Specified Logical Disk is not in normal state

[Explanation]   The specified logical disk to be moved is not in normal state, and it cannot be
                     moved.

[Measures]   Rebuild the logical disk to be moved, and then re-execute the command.

616

iSMprfctl 043: Specified Optimization Work Disk is not in normal state

[Explanation]   The specified work disk for optimization is not in normal state, and it cannot be moved.

[Measures]   Rebuild the work disk for optimization or specify another one, and then re-execute the command.

iSMprfctl 044: Number of movement exceeds permissible amount

[Explanation]   The number of specified disks to be concurrently moved exceeded the allowable maximum in the specified disk array.

[Measures]   Confirm that the current Move command has terminated, and then re-execute the command.

iSMprfctl 045: Specified Logical Disk is reserved

[Explanation]   It indicates that specified moving material logical disk has been reserved in schedule.

[Measures]   Review the moving material logical disk and retry command execution.

iSMprfctl 046: Specified Optimization Work Disk is reserved

[Explanation]   It indicates that specified work disk for optimization has been reserved in schedule.

[Measures]   Review the specified work disk for optimization and retry command execution.

617

iSMprfctl 050: Failed in communication with iSMsvr func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*>

[Explanation]   An error occurred during communication with the iSM server.

aaa...a   : Function name

bbbb   : Error code

cccccccc   : Detail code

[Measures]   Eliminate the error cause (e.g., restarting the iSM server), and then re-execute the command.

iSMprfctl 051: Time out has occurred

[Explanation]   A timeout occurred during communication with the iSM server.

[Measures]   Check for the iSM server status, restart the iSM server if necessary, and then re-execute the command.

iSMprfctl 060: Insufficient resource is detected func=<*aaa...a*> errno=<*bbbb*> detcode=<*cccccccc*>

[Explanation]   Memory could not be allocated.

aaa...a   : Function name

bbbb   : Error code

cccccccc   : Detail code

[Measures]   Eliminate the error cause, and then re-execute the command.

618

iSMprfctl 090: HW error has occurred in start of Logical Disk movement

[Explanation]   An error occurred in the disk array, and moving of the logical disk failed to start.

[Measures]   Check the error cause according to the related messages, recover the disk array from the error, and then re-execute the command.

iSMprfctl 910: Illegal function parameter

[Explanation]   An illegal subcommand was specified.

[Measures]   Correct the specification of the subcommand, and then re-execute the command.

619

iSMprfedit: 001 ~
iSMprfedit: 001   *<aaa...a> > <bbb...b>*

[Explanation]   The performance information of the statistical information history file or

statistical information summary file was edited and output as a report normally.

aaa...a   :   Name of the statistical information history file or statistical

information summary file (character string)

bbb...b   :   Name of the Performance Report (text format file) (character

string)

[Measures]   Unnecessary

iSMprfedit: 100   Illegal option - *<aaa...a>*

[Explanation]   It indicates that a wrong option was specified.

aaa...a   :   Name of the wrong option (String)

[Measures]   Specify the option correctly and execute the command again.

iSMprfedit: 101   Illegal file name - *<aaa...a>*

[Explanation]   It indicates that the name of the specified file is invalid (other than psl and psa).

aaa...a   :   Invalid file name (String)

[Measures]   Correct the file name and execute the command again.

iSMprfedit: 102   Missing file name

[Explanation]   It indicates that statistic info file is not specified.

[Measures]   Specify statistic info file and execute the command again.

620

iSMprfedit: 103   Missing option - *<aaa...a>*

[Explanation]   It indicates that required option is not specified.

aaa...a   :   Option name required to be specified (String)

[Measures]   Specify the option correctly and execute the command again.

iSMprfedit: 110   File open error - *<aaa...a>* func = *<bbb...b>*   errno = *<cccc>*   ds = *<dddddddd>*

[Explanation]   It indicates that an error occurred in the open process of the file.

aaa...a   :   Name of the file for which the error occurred in the open process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

dddddddd   :   Detailed code of the error (in Hexadecimal)

[Measures]   Remove the cause of the open error based on the name of the function where the error occurred and the error number, and execute the command again.

iSMprfedit: 111   File close error - *<aaa...a>* func = *<bbb...b>*   errno = *<cccc>*   ds = *<dddddddd>*

[Explanation]   It indicates that an error occurred in the close process of the file.

aaa...a   :   Name of the file for which the error occurred in the close process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

dddddddd   :   Detailed code of the error (in Hexadecimal)

[Measures]   Remove the cause of the close error based on the name of the function where the error occurred and the error number, or change the location where the edit report is created by specifying the -o option, and execute the command again.

621

iSMprfedit: 112   Read error - *\<aaa...a\>*   func = *\<bbb...b\>*   errno = *\<cccc\>*   ds = *\<dddddddd\>*

[Explanation]   It indicates that an error occurred in the input process of the file.

aaa...a   :   Name of the file for which the error occurred in the input process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

dddddddd   :   Detailed code of the error (in Hexadecimal)

[Measures]   Remove the cause of the read error based on the name of the function where the error occurred and the error number, and execute the command again.

iSMprfedit: 113   Write error - *\<aaa...a\>*   func = *\<bbb...b\>*   errno = *\<cccc\>*   ds = *\<dddddddd\>*

[Explanation]   It indicates that an error occurred in the write process of the file.

aaa...a   :   Name of the file for which the error occurred in the write process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

dddddddd   :   Detailed code of the error (in Hexadecimal)

[Measures]   Remove the cause of the write error based on the name of the function where the error occurred and the error number, or change the location where the edit report is created by specifying the -o option, and execute the command again.

iSMprfedit: 114   Sort error - *\<aaa...a\>*   func = *\<bbb...b\>*   errno = *\<cccc\>*   ds = *\<dddddddd\>*

[Explanation]   It indicates that an error occurred in the sort process of the data.

aaa...a   :   Name of the file for which the error occurred in the sort process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

dddddddd   :   Detailed code of the error (in Hexadecimal)

[Measures]   Remove the cause of the error based on the function name and the error number, and execute the command again.

622

iSMprfedit: 115 Memory allocate error - <*aaa...a*> func = <*bbb...b*> errno = <*cccc*> ds = <*dddddddd*>

[Explanation]   It indicates that an error occurred in memory allocation process.

    aaa...a   : Name of the file for which the error occurred in the memory allocation process (String)

    bbb...b   : Name of the function where the error occurred (String)

    cccc   : Error number (in Decimal)

    dddddddd   : Detailed code of the error (in Hexadecimal)

[Measures]   Remove the cause of the memory allocation error based on the name of the function where the error occurred and the error number, and execute the command again.

iSMprfedit: 120 Illegal file format - <*aaa...a*> ds = <*bbbbbbbb*>

[Explanation]   It indicates that a wrong file other than statistic information history file/statistic information summarized file is specified.

    aaa...a   : Name of the wrong file (String)

    bbbbbbbb   : Detailed code of the error (in Hexadecimal)

[Measures]   Specify the correct file, and execute the command again.

iSMprfedit: 121 Data empty - <*aaa...a*>

[Explanation]   It indicates that the specified statistic information history file/statistic information summarized file does not contain statistic information to be edited.

    aaa...a   : Name of the specified statistic information history file/statistic information summarized file (String)

[Measures]   Specify the correct file, and execute the command again.

623

iSMprfedit: 122   Since there is no data of *<aaa...a>*, *<aaa...a>* performance report has not been created - *<bbb...b>*

[Explanation]   It indicates that specified statistic information history file/statistic information summarized file does not contain the statistic information of the performance detail report, and specified performance detail report could not be created.

aaa...a   :   Component type of which detailed report could not be created. (String)

Replication Director Port	:	Replication director port
Cache Segment	:	Cache segment
Rank	:	RANK
Pool	:	Pool

bbb...b   :   Name of specified statistic information history file/statistic information summarized file (String)

[Measures]   Take the measures below.

- If the component type is replication director port, a disk array with no function for collecting statistic information of the replication director port does not contain replication director port statistic information in statistic information history file/statistic information summarized file.   Review parameters and retry command execution.

- If component type is cache segment, a disk array that cannot use cache partitioning function does not contain cache segment statistic information in statistic information history file.   Review parameters and retry command execution.

- If component type is RANK, a disk array with no function for collecting RANK statistic information does not contain RANK statistic information in statistic information history file/statistic information summarized file. Review parameters and retry command execution.

- If the component type is pool, a disk array with no function for collecting pool statistic information does not contain pool statistic information in statistic information history file/statistic information summarized file.   Review parameters and retry command execution.

624

iSMprfedit: 999 Unexpected error - *<aaa...a>* ds = *<bbbbbbbb>*

[Explanation]   It indicates that an error occurred in the internal processing of iSMprfedit.

        aaa...a   : Name of the specified statistic information history file/statistic information summarized file (String)

        bbbbbbbb : Detailed code of the error (in Hexadecimal)

[Measures]   Execute the command again.

625

iSMprfext: 001 ~

iSMprfext: 001   *\<aaa...a> > \<bbb...b>*

[Explanation]   The statistical information of the statistical information history file or statistical information summary file was converted into CSV format and output as a CSV format file normally.

aaa...a   :   Name of the statistical information history file or statistical information summary file (character string)

bbb...b   :   Name of the output file (CSV format file) (character string)

[Measures]   Unnecessary

iSMprfext: 002   Illegal option - *\<aaa...a>*

[Explanation]   It indicates that a wrong option was specified or some mandatory options are not specified.

aaa...a   :   Name of the option with wrong specification (String)

[Measures]   Correct the specification of the option and execute the command again.

iSMprfext: 003   Illegal option value - *\<aaa...a>*

[Explanation]   It indicates that the value of the specified option is invalid.

aaa...a   :   Name of the option with invalid value (String)

-hp   :   Specification of host director port

-rp   :   Specification of replication director port

-dp   :   Specification of disk director port

-cheseg   :   Specification of cache segment

-ld   :   Specification of logical disk

-pd   :   Specification of physical disk

-rank   :   Specification of RANK

-pool   :   Specification of pool

[Measures]   Correct the value of the option, and execute the command again.

iSMprfext: 004   File open error - *<aaa...a>* func = *<bbb...b>*   errno = *<cccc>*

[Explanation]   It indicates that an error occurred in the open process of the file.

aaa...a   :   Name of the file for which the error occurred in the open process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

[Measures]   Check file specification and access right of the file. Then, remove the cause of the error, and execute the command again.

iSMprfext: 005   File close error - *<aaa...a>* func = *<bbb...b>*   errno = *<cccc>*

[Explanation]   It indicates that an error occurred in the close process of the file.

aaa...a   :   Name of the file for which the error occurred in the close process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

[Measures]   Check the file system to remove the cause of the error or specify the -p option to change the location for output files, and execute the command again.

iSMprfext: 006   Read error - *<aaa...a>*   func = *<bbb...b>*   errno = *<cccc>*   ds = *<dddddddd>*

[Explanation]   It indicates that an error occurred in the input process of the file.

aaa...a   :   Name of the file for which the error occurred in the input process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

dddddddd   :   Detailed code of the error (in Hexadecimal)

[Measures]   Check whether the specified statistic information history file/statistic information summarized file is damaged or not.

627

iSMprfext: 007   Write error - *<aaa...a>*   func = *<bbb...b>*   errno = *<cccc>*

[Explanation]   It indicates that an error occurred in the write process of the file.

aaa...a   :   Name of the file for which the error occurred in the write process (String)

bbb...b   :   Name of the function where the error occurred (String)

cccc   :   Error number (in Decimal)

[Measures]   Check the file system to remove the cause of the error or specify the '-p' option to change the location for output files, and execute the command again.

iSMprfext: 008   Illegal file format - *<aaa...a>*   ds = *<bbbbbbbb>*

[Explanation]   It indicates that a wrong file other than statistic information history file/statistic information summarized file is specified.

aaa...a   :   Name of the wrong file (String)

bbbbbbbb   :   Detailed code of the error (in Hexadecimal)

[Measures]   Specify the correct file, and execute the command again.

iSMprfext: 009   Data empty - *<aaa...a>*

[Explanation]   It indicates that the specified statistic information history file/statistic information summarized file does not contain statistic information to be converted to the CSV format.

aaa...a   :   Name of the specified statistic information history file/statistic (String)

[Measures]   If any extraction conditions are specified, check the conditions and execute the command again.

628

iSMprfext: 010 Unexpected error - *<aaa...a>* ds = *<bbbbbbbb>*

[Explanation]   It indicates that an error occurred in the internal processing of CSV Conversion
Tool.

aaa...a   :   Name of the specified statistic information history file/statistic
information summarized file (String)

bbbbbbbb :   Detailed code of the error (in Hexadecimal)

[Measures]   Execute the command again.

iSMprfext: 011 Record count is over max value - *<aaa...a>*

[Explanation]   It indicates that the number of records of the output file (in the CSV format)
exceeded the upper limit (65,536 records).

aaa...a   :   Name of the output file (CSV file) (String)

[Measures]   Specify some extraction conditions to limit statistic information to extract, and
execute the command again.

629

iSMprflog:001 ~

iSMprflog:001   Disk array=<*aaa...a*> logging is started interval=<*bb*>

[Explanation]   It indicates that data accumulation in statistic information history file has been

started.

aaa...a   :   Disk array name

bb   :   Accumulating interval (minute)

[Measures]   Unnecessary

iSMprflog:002   Disk array=<*aaa...a*> logging is already started

[Explanation]   It indicates that data accumulation in statistic information history file has already

been started.

aaa...a   :   Disk array name

[Measures]   Check that specified disk array name is correct.

iSMprflog:003   Disk array=<*aaa...a*> logging is started(overload) interval=<*bb*>

[Explanation]   It indicates that data accumulation in statistic information history file has been

started.   By collecting statistic information, disk array is overloaded.

aaa...a   :   Disk array name

bb   :   Accumulating interval (minute)

[Measures]   Terminate accumulation if overloading on disk array affect business operations.

630

iSMprflog:010 Disk array=<*aaa...a*> logging is stopped

[Explanation] It indicates that data accumulation in statistic information history file has been terminated.

aaa...a : Disk array name

[Measures] Unnecessary

iSMprflog:011 Disk array=<*aaa...a*> logging is already stopped

[Explanation] It indicates that data accumulation in statistic information history file has been already terminated.

aaa...a : Disk array name

[Measures] Unnecessary

iSMprflog:100 Missing option - <*aaaaa*>

[Explanation] It indicates that option has not been specified.

aaaaa : Option name which should be specified

[Measures] Specify required option and retry command execution.

iSMprflog:101 Illegal option - <*aaaaa*>

[Explanation] It indicates that specified option was wrong.

aaaaa : Specified value

[Measures] Specify required option correctly and retry command execution.

631

iSMprflog:102　Missing option value - *<aaaaa>*

[Explanation]　　　It indicates that value of -aaaaa option has not been specified.

　　　　　　　　　aaaaa　　　:　Specified value

[Measures]　　　Specify required option value and retry command execution.

iSMprflog:103　Illegal option value - *<aaaaa>*

[Explanation]　　　It indicates that an invalid option value has been specified.

　　　　　　　　　aaaaa　　　:　Option name with invalid value

[Measures]　　　Specify correct option value and retry command execution.

iSMprflog:104　Illegal function parameter

[Explanation]　　　It indicates that a wrong parameter except "start" or "stop" was specified.

[Measures]　　　Specify correct parameter and retry command execution.

iSMprflog:120　Disk array=*<aaa...a>* is not watched

[Explanation]　　　It indicates that specified disk array is not monitored.

　　　　　　　　　aaa...a　　　:　disk array name

[Measures]　　　Specify the disk array for monitoring and start or terminate accumulating statistic information.

iSMprflog:121　Disk array=*<aaa...a>* does not exist

[Explanation]　　　It indicates that specified disk array does not exist, or the PerformanceMonitor has not been purchased.

　　　　　　　　　aaa...a　　　:　Disk array name

[Measures]　　　Specify correct disk array name.

632

iSMprflog:122　There is no disk array

[Explanation]　　　It indicates that target disk array does not exist when batch operation is executed for all the disk array with -a option specified.

[Measures]　　　Check status of disk array, and retry command if necessary.

iSMprflog:123　Disk array=<*aaa...a*> is overload

[Explanation]　　　It indicates that accumulation of statistic information could not start due to the following reasons:

(1)　Disk array is overloaded.

(2)　Disk array faulty.

aaa...a　　　：　Disk array name

[Measures]　　　Take the following measures:

Against case (1) above:　Remove the causes of overloading, and start accumulation of statistic information in statistic information history file.

Against case (2) above:　Stop monitoring and start troubleshooting.　And then restart monitoring, and perform accumulation of statistic information in statistic information history file.

iSMprflog:900　System call error occurred func=<*aaa...a*> errno=<*bbb*> detail=<*cc-ddd*>

[Explanation]　　　It indicates that an error occurred in system function.

aaa...a　　　：　System function name

bbb　　　：　Error number

cc-ddd　　　：　Error description

[Measures]　　　Take measures with reference to function name and error number, and then retry command execution.

633

Appendix A   Message Output Destination List

This appendix lists the destinations of messages output by iSM.

Table A-1   Message Output Destination List   (1/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM01001	INFO			〇	Δ	〇			〇
iSM01002	INFO	〇	〇	〇	Δ	〇			〇
iSM01003	INFO			〇	Δ	〇			〇
iSM01004	WARNING			〇	〇				
iSM01005	INFO			〇	Δ				
iSM01006	WARNING	〇	〇	〇	〇				
iSM01010	INFO			〇	Δ	〇			〇
iSM01011	INFO	〇	〇	〇	Δ	〇			〇
iSM01101	WARNING	〇	〇	〇	〇	〇			
iSM01102	NOTICE	〇		〇	〇				
iSM01103	NOTICE	〇	〇	〇	〇	〇			
iSM01105	NOTICE			〇	〇	〇			
iSM01106	NOTICE	〇	〇	〇	〇	〇			
iSM01107	WARNING	〇	〇	〇	〇	〇			〇
iSM01108	NOTICE			〇	〇				
iSM01109	WARNING	〇	〇	〇	〇	〇			〇
iSM01110	NOTICE			〇	〇	〇			
iSM01111	NOTICE			〇	〇	〇			
iSM01113	NOTICE			〇					
iSM01230	WARNING			〇	〇	〇			〇
iSM01232	ERROR			〇	〇				
iSM01400	-						〇		
iSM01401	-						〇		
iSM01402	-						〇		
iSM01403	-						〇		
iSM01407	-						〇		
iSM01408	-						〇		
iSM01409	-						〇		
iSM01410	-						〇		
iSM01411	-						〇		
iSM01412	-						〇		
iSM01413	-						〇		
iSM01901	ERROR					〇			
iSM02010	NOTICE	〇	〇	〇	〇				
iSM02011	NOTICE	〇	〇	〇	〇				
iSM02020	NOTICE	〇		〇	〇				

〇: Output   Δ: Not output when the default is selected

634

Table A-1   Message Output Destination List   (2/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM02021	NOTICE	O		O	O				
iSM02040	INFO	O	O	O	Δ				
iSM02041	INFO	O	O	O	Δ				
iSM02042	NOTICE	O	O	O	O				
iSM02043	NOTICE	O	O	O	O				
iSM02050	INFO	O	O	O	Δ				
iSM02051	INFO	O	O	O	Δ				
iSM02052	INFO	O	O	O	Δ				
iSM02053	INFO	O		O	Δ				
iSM02060	NOTICE			O	O				
iSM02061	NOTICE			O	O				
iSM03100	WARNING	O	O	O	O				
iSM03101	WARNING	O	O	O	O				
iSM03102	ERROR	O	O	O	O	O			
iSM03103	ERROR	O	O	O	O	O			
iSM03104	ERROR	O	O	O	O	O			
iSM03105	ERROR	O	O	O	O	O			
iSM03106	ERROR	O	O	O	O	O			
iSM03107	ERROR	O	O	O	O	O			
iSM03108	ERROR	O	O	O	O	O			
iSM03109	ERROR	O	O	O	O	O			
iSM03110	ERROR	O	O	O	O	O			
iSM03111	ERROR	O	O	O	O	O			
iSM03112	ERROR	O	O	O	O	O			
iSM03113	WARNING	O	O	O	O				
iSM03114	WARNING	O	O	O	O				
iSM03120	INFO	O	O	O	Δ				
iSM03121	WARNING	O	O	O	O				
iSM03122	INFO	O	O	O	Δ				
iSM03130	NOTICE	O	O	O	O				
iSM03131	NOTICE	O	O	O	O				
iSM03132	NOTICE	O	O	O	O				
iSM03133	NOTICE	O	O	O	O				
iSM03134	NOTICE	O	O	O	O				
iSM03140	NOTICE	O	O	O	O				
iSM03141	NOTICE	O	O	O	O				
iSM03142	NOTICE	O	O	O	O				
iSM03150	INFO	O	O	O	Δ				
iSM03151	INFO	O	O	O	Δ				
iSM03152	INFO	O	O	O	Δ				
iSM03200	ERROR	O	O	O	O				
iSM03201	ERROR	O	O	O	O				

O: Output   Δ: Not output when the default is selected

635

Table A-1   Message Output Destination List   (3/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM03203	ERROR	○	○	○	○				
iSM03204	ERROR	○	○	○	○				
iSM03220	ERROR	○		○	○				
iSM03221	ERROR	○	○	○	○				
iSM03222	ERROR	○	○	○	○				
iSM03224	ERROR	○	○	○	○	○		○	○
iSM03225	ERROR		○	○	○				
iSM03300	INFO	○	○	○	Δ				
iSM03301	INFO	○	○	○	Δ				
iSM03302	WARNING	○	○	○	○				
iSM03303	INFO	○	○	○	Δ				
iSM03400	ERROR	○	○	○	○				
iSM03410	ERROR	○	○	○	○				
iSM03411	ERROR	○	○	○	○				
iSM03420	ERROR	○	○	○	○				
iSM03430	ERROR	○	○	○	○				
iSM03441	ERROR	○		○	○				
iSM03442	ERROR	○		○					
iSM03500	ERROR	○	○	○	○				
iSM03900	WARNING		○						
iSM04020	NOTICE	○	○	○	○				
iSM04021	NOTICE	○	○	○	○				
iSM04022	WARNING			○	○				
iSM04023	ERROR	○	○	○	○				
iSM04024	ERROR	○	○	○	○				
iSM04025	ERROR	○	○	○	○				
iSM04030	INFO	○	○	○	Δ				
iSM04040	WARNING	○	○	○	○				
iSM04060	INFO	○	○						
iSM06020	NOTICE	○	○	○	○				
iSM06021	NOTICE	○	○	○	○				
iSM06029	WARNING	○	○	○	○				
iSM06030	WARNING	○	○	○	○				
iSM06031	WARNING	○	○	○	○				
iSM06032	WARNING	○	○	○	○				
iSM06033	WARNING	○	○	○	○				
iSM06034	WARNING	○	○	○	○				
iSM06035	WARNING	○	○	○	○				
iSM06036	WARNING	○	○	○	○				
iSM06037	WARNING	○	○	○	○				
iSM06038	WARNING	○	○	○	○				
iSM06039	WARNING	○	○	○	○				
iSM06040	WARNING	○	○	○	○				

○: Output   Δ: Not output when the default is selected

Table A-1   Message Output Destination List   (4/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM06041	WARNING	○	○	○	○				
iSM06042	WARNING	○	○	○	○				
iSM06043	WARNING	○	○	○	○				
iSM06044	WARNING	○	○	○	○				
iSM06045	WARNING	○	○	○	○				
iSM06047	WARNING	○	○	○	○				
iSM06048	WARNING	○	○	○	○				
iSM06050	WARNING	○	○	○	○				
iSM06051	WARNING	○	○	○	○				
iSM06062	WARNING	○	○	○	○				
iSM06063	WARNING	○	○	○	○				
iSM06064	WARNING	○	○	○	○				
iSM06065	WARNING	○	○	○	○				
iSM06066	WARNING	○	○	○	○				
iSM06068	WARNING	○	○	○	○				
iSM06070	WARNING			○	○				
iSM06071	WARNING			○	○				
iSM06080	INFO	○	○	○	Δ		○		
iSM06081	WARNING	○	○	○	○		○		
iSM06082	WARNING	○	○	○	○		○		
iSM06083	ERROR	○	○	○	○				
iSM06084	ERROR	○	○	○	○				
iSM06085	ERROR	○	○	○	○				
iSM06086	WARNING	○	○	○	○				
iSM06087	WARNING	○	○	○	○				
iSM06088	WARNING	○	○	○	○				
iSM06091	WARNING	○	○	○	○				
iSM06092	WARNING	○	○	○	○				
iSM06093	WARNING	○	○	○	○				
iSM06099	WARNING	○	○	○	○				
iSM06902	ERROR					○			
iSM07011	INFO	○	○	○	Δ	○			○
iSM07012	INFO	○	○	○	Δ	○		○	○
iSM07021	INFO	○	○	○	Δ	○			○
iSM07022	INFO	○	○	○	Δ	○			○
iSM07023	ERROR	○	○	○	○	○		○	○
iSM07024	ERROR	○	○	○	○	○		○	○
iSM07025	INFO	○	○	○	Δ	○			○
iSM07026	ERROR	○	○	○	○	○		○	○

○: Output   Δ: Not output when the default is selected

637

Table A-1   Message Output Destination List   (5/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM07031	INFO	O	O	O	Δ				
iSM07032	INFO	O	O	O	Δ				
iSM07033	INFO	O	O	O	Δ				
iSM07034	INFO	O	O	O	Δ				
iSM07035	INFO	O	O	O	Δ				
iSM07091	WARNING	O	O	O	O				
iSM07092	WARNING	O	O	O	O				
iSM07093	ERROR	O	O	O	O				
iSM07094	ERROR	O	O	O	O				
iSM07095	ERROR	O	O	O	O				
iSM07101	INFO	O	O	O	Δ				
iSM07102	ERROR	O	O	O	O	O			O
iSM07104	NOTICE	O	O	O	O	O			O
iSM07105	NOTICE	O	O	O	O				
iSM07106	NOTICE	O	O	O	O				
iSM07108	ERROR	O	O	O	O				
iSM07109	INFO	O	O	O	Δ	O			O
iSM07111	INFO	O	O	O	Δ				
iSM07112	ERROR	O	O	O	O	O			O
iSM07113	ERROR	O	O	O	O				
iSM07114	NOTICE	O	O	O	O				
iSM07115	NOTICE	O	O	O	O				
iSM07116	NOTICE	O	O	O	O				
iSM07121	INFO	O	O	O	Δ				
iSM07122	ERROR	O	O	O	O				
iSM07123	ERROR	O	O	O	O	O			O
iSM07124	ERROR	O	O	O	O				
iSM07125	NOTICE	O	O	O	O				
iSM07126	NOTICE	O	O	O	O				
iSM07127	NOTICE	O	O	O	O				
iSM07128	NOTICE	O	O	O	O				
iSM07129	NOTICE	O	O	O	O				
iSM07130	NOTICE	O	O	O	O				
iSM07131	NOTICE	O	O	O	O				
iSM07132	NOTICE	O	O	O	O				
iSM07133	INFO	O	O	O	Δ				
iSM07141	INFO	O	O	O	Δ				
iSM07142	ERROR	O	O	O	O	O			O
iSM07143	ERROR	O	O	O	O				
iSM07144	NOTICE	O	O	O	O				
iSM07145	NOTICE	O	O	O	O				
iSM07146	NOTICE	O	O	O	O				
iSM07147	NOTICE	O	O	O	O				
iSM07148	NOTICE	O	O	O	O				

O: Output   Δ: Not output when the default is selected

638

Table A-1   Message Output Destination List   (6/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM07151	INFO	O	O	O	Δ				
iSM07152	ERROR	O	O	O	O	O		O	O
iSM07154	NOTICE	O	O	O	O	O		O	O
iSM07155	NOTICE	O	O	O	O				
iSM07156	NOTICE	O	O	O	O				
iSM07158	ERROR	O	O	O	O				
iSM07159	INFO	O	O	O	Δ	O		O	O
iSM07161	INFO	O	O	O	Δ				
iSM07162	ERROR	O	O	O	O	O		O	O
iSM07163	ERROR	O	O	O	O				
iSM07164	NOTICE	O	O	O	O				
iSM07165	NOTICE	O	O	O	O				
iSM07166	NOTICE	O	O	O	O				
iSM07171	INFO	O	O	O	Δ				
iSM07172	ERROR	O	O	O	O				
iSM07173	ERROR	O	O	O	O	O		O	O
iSM07174	ERROR	O	O	O	O				
iSM07175	NOTICE	O	O	O	O				
iSM07176	NOTICE	O	O	O	O				
iSM07177	NOTICE	O	O	O	O				
iSM07178	NOTICE	O	O	O	O				
iSM07179	NOTICE	O	O	O	O				
iSM07180	NOTICE	O	O	O	O				
iSM07181	NOTICE	O	O	O	O				
iSM07182	NOTICE	O	O	O	O				
iSM07183	INFO	O	O	O	Δ				
iSM07191	INFO	O	O	O	Δ				
iSM07192	ERROR	O	O	O	O	O		O	O
iSM07193	ERROR	O	O	O	O				
iSM07194	NOTICE	O	O	O	O				
iSM07195	NOTICE	O	O	O	O				
iSM07196	NOTICE	O	O	O	O				
iSM07197	NOTICE	O	O	O	O				
iSM07198	NOTICE	O	O	O	O				
iSM07201	INFO	O	O	O	Δ				
iSM07202	INFO	O	O	O	Δ				
iSM07203	INFO	O	O	O	Δ				
iSM07204	INFO	O	O	O	Δ				
iSM07205	NOTICE	O	O	O	O				
iSM07206	NOTICE	O	O	O	O				
iSM07207	NOTICE	O	O	O	O				
iSM07208	NOTICE	O	O	O	O				

O: Output   Δ: Not output when the default is selected

639

Table A-1   Message Output Destination List   (7/39)

| ID | Classification | Operation log | | Syslog | | Event log | Console | ESMPRO link | |
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM07211	INFO	○	○						
iSM07212	INFO	○	○						
iSM07213	INFO	○	○						
iSM07220	INFO	○	○	○	Δ				
iSM07221	INFO	○	○	○	Δ				
iSM07251	WARNING	○	○	○	○				
iSM07252	WARNING	○	○	○	○				
iSM07253	WARNING	○	○	○	○				
iSM07301	INFO	○	○	○	Δ				
iSM07302	INFO	○	○	○	Δ				
iSM07303	INFO	○	○	○	Δ				
iSM07304	INFO	○	○	○	Δ				
iSM07305	INFO	○	○	○	Δ				
iSM07306	INFO	○	○	○	Δ				
iSM07307	INFO	○	○	○	Δ				
iSM07308	INFO	○	○	○	Δ				
iSM07309	INFO	○	○	○	Δ				
iSM07310	INFO	○	○	○	Δ				
iSM07311	INFO	○	○	○	Δ				
iSM07312	INFO	○	○	○	Δ				
iSM07313	INFO	○	○	○	Δ				
iSM07314	INFO	○	○	○	Δ				
iSM07315	INFO	○	○	○	Δ				
iSM07316	INFO	○	○	○	Δ				
iSM07331	INFO	○	○						
iSM07332	INFO	○	○						
iSM07333	INFO	○	○						
iSM07334	INFO	○	○						
iSM07335	INFO	○	○						
iSM07336	INFO	○	○						
iSM07337	INFO	○	○						
iSM07338	INFO	○	○						
iSM07339	INFO	○	○						
iSM07340	INFO	○	○						
iSM07341	INFO	○	○						
iSM07342	INFO	○	○						
iSM07343	INFO	○	○						
iSM07344	INFO	○	○						
iSM07345	INFO	○	○						
iSM07346	INFO	○	○						
iSM07402	INFO	○	○	○	Δ	○			○
iSM07404	NOTICE	○	○	○	○				
iSM07409	INFO	○	○	○	Δ				

○: Output   Δ: Not output when the default is selected

640

Table A-1 Message Output Destination List (8/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM07411	INFO	○	○	○	Δ				
iSM07412	ERROR	○	○	○	○	○			○
iSM07413	ERROR	○	○	○	○				
iSM07414	NOTICE	○	○	○	○				
iSM07415	NOTICE	○	○	○	○				
iSM07416	NOTICE	○	○	○	○				
iSM07452	INFO	○	○	○	Δ	○		○	○
iSM07454	NOTICE	○	○	○	○				
iSM07459	INFO	○	○	○	Δ				
iSM07461	INFO	○	○	○	Δ				
iSM07462	ERROR	○	○	○	○	○		○	○
iSM07463	ERROR	○	○	○	○				
iSM07464	NOTICE	○	○	○	○				
iSM07465	NOTICE	○	○	○	○				
iSM07466	NOTICE	○	○	○	○				
iSM07501	-						○		
iSM07503	-						○		
iSM07504	-						○		
iSM07505	-						○		
iSM07506	-						○		
iSM07507	-						○		
iSM07509	-						○		
iSM07511	-						○		
iSM07512	-						○		
iSM07513	-						○		
iSM07550	NOTICE	○	○	○	○		○		
iSM07551	NOTICE	○	○	○	○		○		
iSM07552	NOTICE	○	○	○	○		○		
iSM07553	NOTICE	○	○	○	○		○		
iSM07554	NOTICE	○	○	○	○		○		
iSM07555	NOTICE	○	○	○	○		○		
iSM07556	NOTICE	○	○	○	○		○		
iSM07557	-						○		
iSM07601	NOTICE	○	○	○	○				
iSM07602	NOTICE	○	○	○	○				
iSM07611	NOTICE	○	○	○	○				
iSM07616	WARNING	○	○	○	○	○			○
iSM07617	INFO	○	○	○	○				
iSM07620	INFO	○	○	○	Δ	○			○

○: Output Δ: Not output when the default is selected

641

Table A-1   Message Output Destination List   (9/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM07621	NOTICE	○	○	○	○	○			○
iSM07622	ERROR	○	○	○	○	○			○
iSM07670	INFO	○	○	○	△	○		○	○
iSM07671	NOTICE	○	○	○	○	○		○	○
iSM07672	ERROR	○	○	○	○	○		○	○
iSM07900	WARNING		○						
iSM07950	WARNING	○	○	○	○	○			
iSM07981	NOTICE	○	○	○	○				
iSM08020	INFO	○	○						
iSM08021	INFO	○	○						
iSM08022	NOTICE	○	○						
iSM08030	NOTICE	○	○						
iSM08031	NOTICE	○	○						
iSM08032	NOTICE	○	○						
iSM08033	NOTICE	○	○						
iSM08034	NOTICE	○							
iSM08035	NOTICE	○	○						
iSM08036	NOTICE	○	○						
iSM08037	NOTICE	○	○						
iSM08050	WARNING	○	○	○	○	○			
iSM08051	NOTICE	○	○	○	○				
iSM08052	NOTICE	○	○						
iSM08053	NOTICE	○	○						
iSM08054	NOTICE	○	○						
iSM08055	WARNING	○	○						
iSM08056	WARNING	○	○						
iSM08060	WARNING	○	○						
iSM08061	WARNING	○	○						
iSM08062	WARNING	○	○						
iSM08063	INFO	○	○						
iSM08070	NOTICE	○	○						
iSM08071	NOTICE	○	○						
iSM08072	NOTICE	○	○						
iSM08091	NOTICE	○	○						
iSM08092	NOTICE	○	○						
iSM08093	NOTICE	○	○						
iSM08094	NOTICE	○	○	○	○				
iSM08099	NOTICE	○	○						
iSM08180	NOTICE	○	○				○		

○: Output   △: Not output when the default is selected

642

Table A-1 Message Output Destination List (10/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM08181	NOTICE	○	○				○		
iSM08182	NOTICE	○	○				○		
iSM08183	NOTICE	○	○				○		
iSM08201	NOTICE	○	○						
iSM08900	WARNING		○						
iSM09001	NOTICE	○	○	○	○				
iSM09002	NOTICE	○	○						
iSM09003	NOTICE	○	○						
iSM09004	NOTICE	○	○						
iSM09005	NOTICE	○	○						
iSM09006	NOTICE	○	○						
iSM09007	NOTICE	○	○						
iSM09008	NOTICE	○	○						
iSM09009	NOTICE	○	○						
iSM09010	NOTICE	○	○						
iSM09011	NOTICE	○	○						
iSM09012	NOTICE	○	○						
iSM09013	NOTICE	○	○						
iSM09014	NOTICE	○	○						
iSM09015	NOTICE	○	○						
iSM09016	NOTICE	○	○						
iSM09017	NOTICE	○	○						
iSM09018	NOTICE	○	○						
iSM09019	NOTICE	○	○						
iSM09020	NOTICE	○	○						
iSM09021	NOTICE	○	○						
iSM09022	NOTICE	○	○						
iSM09099	NOTICE	○	○						
iSM09101	WARNING	○	○						
iSM09102	WARNING	○	○						
iSM09103	WARNING	○	○						
iSM09104	WARNING	○	○						
iSM09105	WARNING	○	○						
iSM09106	WARNING	○	○						
iSM09107	WARNING	○	○						
iSM09108	WARNING	○	○						
iSM10001	NOTICE	○	○	○	○				
iSM10002	NOTICE	○	○	○	○				
iSM10020	ERROR	○	○	○	○				
iSM10040	NOTICE	○	○	○	○				
iSM10100	NOTICE	○	○	○	○				
iSM10101	NOTICE	○	○	○	○				
iSM10102	NOTICE	○	○	○	○				
iSM10103	ERROR	○	○	○	○				
iSM10104	NOTICE	○	○	○	○				

○: Output Δ: Not output when the default is selected

643

Table A-1   Message Output Destination List   (11/39)

ID	Classification	Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM10106	NOTICE	O	O	O	O				
iSM10200	NOTICE	O	O	O	O				
iSM10201	NOTICE	O	O	O	O				
iSM10210	NOTICE	O	O	O	O				
iSM10220	ERROR	O	O	O	O				
iSM10302	INFO	O	O	O	Δ				
iSM10303	INFO	O	O	O	Δ				
iSM10304	INFO	O	O	O	Δ				
iSM10305	INFO	O	O	O	Δ				
iSM10306	INFO	O	O	O	Δ				
iSM10307	INFO	O	O	O	Δ				
iSM10308	INFO	O	O	O	Δ		O		
iSM10309	INFO	O	O	O	Δ		O		
iSM10310	NOTICE	O	O	O	O				
iSM10311	NOTICE	O	O	O	O				
iSM10312	NOTICE	O	O	O	O		O		
iSM10313	NOTICE	O	O						
iSM10314	NOTICE	O	O						
iSM10315	NOTICE	O	O						
iSM10316	NOTICE	O	O						
iSM10317	NOTICE	O	O	O	O		O		
iSM10318	NOTICE	O	O						
iSM10320	ERROR	O	O	O	O				
iSM10321	NOTICE	O	O	O	O		O		
iSM10322	NOTICE	O	O	O	O		O		
iSM10323	NOTICE	O	O						
iSM10324	NOTICE	O	O						
iSM10325	NOTICE	O	O						
iSM10330	NOTICE	O	O	O	O				
iSM10331	INFO	O	O	O	Δ				
iSM10332	INFO	O	O	O	Δ				
iSM10333	INFO	O	O	O	Δ				
iSM10334	INFO	O	O	O	Δ				
iSM10400	ERROR	O	O	O	O	O			O
iSM10401	ERROR	O	O	O	O	O		O	O
iSM10402	WARNING	O	O	O	O	O			O
iSM10403	ERROR	O	O	O	O	O		O	O
iSM10410	NOTICE	O	O	O	O				
iSM10411	NOTICE	O	O	O	O				
iSM10420	NOTICE	O	O	O	O				
iSM10430	ERROR	O	O	O	O				
iSM10440	NOTICE	O	O	O	O				

O: Output   Δ: Not output when the default is selected

644

Table A-1 Message Output Destination List (12/39)

ID	Classification	Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM10501	ERROR						○		
iSM10502	ERROR						○		
iSM10503	ERROR						○		
iSM10504	ERROR						○		
iSM10505	ERROR						○		
iSM10900	WARNING	○	○	○	○				
iSM11100	INFO	○	○	○	Δ		○		
iSM11101	INFO	○	○				○		
iSM11102	INFO	○	○						
iSM11103	INFO	○	○				○		
iSM11104	INFO	○	○						
iSM11105	INFO	○	○				○		
iSM11106	INFO	○	○						
iSM11107	INFO	○	○						
iSM11108	INFO	○	○						
iSM11109	INFO	○	○						
iSM11110	INFO	○	○						
iSM11151	INFO	○	○				○		
iSM11152	INFO						○		
iSM11153	INFO	○	○				○		
iSM11154	INFO	○	○				○		
iSM11155	INFO	○	○				○		
iSM11161	INFO	○	○				○		
iSM11162	INFO	○	○				○		
iSM11163	INFO	○	○				○		
iSM11164	INFO	○	○				○		
iSM11171	INFO	○	○				○		
iSM11172	INFO	○	○				○		
iSM11173	INFO	○	○				○		
iSM11174	INFO	○	○				○		
iSM11175	INFO	○	○				○		
iSM11176	INFO	○	○				○		
iSM11178	INFO	○	○				○		
iSM11179	INFO	○	○				○		
iSM11180	INFO	○	○				○		
iSM11182	INFO	○	○				○		
iSM11183	INFO	○	○				○		
iSM11184	INFO	○	○				○		
iSM11220	INFO	○	○						
iSM11221	INFO	○	○						
iSM11222	INFO	○	○						
iSM11230	INFO						○		

○: Output Δ: Not output when the default is selected

645

Table A-1   Message Output Destination List   (13/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM11231	INFO						○		
iSM11232	INFO						○		
iSM11233	INFO						○		
iSM11234	INFO						○		
iSM11235	INFO	○	○				○		
iSM11236	INFO	○	○				○		
iSM11237	INFO						○		
iSM11240	INFO	○	○						
iSM11241	INFO						○		
iSM11242	INFO	○	○						
iSM11250	INFO						○		
iSM11251	INFO						○		
iSM11252	INFO						○		
iSM11253	INFO						○		
iSM11255	INFO						○		
iSM11257	INFO						○		
iSM11258	INFO						○		
iSM11300	INFO						○		
iSM11305	INFO						○		
iSM11306	INFO						○		
iSM11307	INFO						○		
iSM11308	INFO						○		
iSM11309	INFO						○		
iSM11310	INFO						○		
iSM11311	INFO						○		
iSM11320	INFO						○		
iSM11321	INFO						○		
iSM11322	INFO						○		
iSM11323	INFO						○		
iSM11300	INFO						○		
iSM11340	INFO						○		
iSM11360	INFO						○		
iSM11361	INFO	○	○				○		
iSM11362	INFO						○		
iSM11363	INFO						○		
iSM11364	INFO						○		
iSM11365	INFO						○		
iSM11366	INFO	○	○				○		
iSM11367	INFO	○	○				○		
iSM11369	INFO						○		
iSM11370	INFO						○		

○: Output   Δ: Not output when the default is selected

646

Table A-1   Message Output Destination List   (14/39)

| ID | Classification | Output destination | | | | | | | |
| | | Operation log | | Syslog | | Event log | Console | ESMPRO link | |
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM11372	INFO						○		
iSM11373	INFO						○		
iSM11374	INFO						○		
iSM11375	INFO						○		
iSM11376	INFO						○		
iSM11377	INFO						○		
iSM11378	INFO						○		
iSM11379	INFO						○		
iSM11380	INFO						○		
iSM11381	INFO						○		
iSM11382	INFO						○		
iSM11383	INFO						○		
iSM11384	INFO						○		
iSM11385	INFO						○		
iSM11402	INFO	○	○						
iSM11403	INFO	○	○						
iSM11404	INFO	○	○						
iSM11405	INFO	○	○						
iSM11406	INFO	○	○				○		
iSM11407	INFO	○	○						
iSM11408	INFO	○	○						
iSM11409	INFO	○	○						
iSM11410	INFO	○	○						
iSM11412	INFO	○	○						
iSM11413	INFO	○	○						
iSM11414	INFO	○	○						
iSM11415	INFO	○	○						
iSM11416	INFO	○	○						
iSM11417	INFO	○	○						
iSM11419	INFO	○	○						
iSM11420	INFO	○	○						
iSM11421	INFO	○	○						
iSM11422	INFO	○	○						
iSM11423	INFO	○	○						
iSM11424	INFO	○	○						
iSM11425	INFO	○	○						
iSM11426	INFO	○	○						
iSM11429	INFO	○	○						
iSM11431	INFO	○	○						
iSM11438	INFO	○	○						
iSM11439	INFO	○	○						
iSM11440	INFO	○	○						

○: Output   △: Not output when the default is selected

647

Table A-1   Message Output Destination List   (15/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM11442	INFO	○	○						
iSM11443	INFO	○	○						
iSM11444	INFO	○	○						
iSM11455	INFO	○	○						
iSM11486	INFO	○	○						
iSM11487	INFO	○	○						
iSM11501	INFO	○	○						
iSM11502	INFO	○	○						
iSM11503	INFO	○	○						
iSM11504	INFO	○	○						
iSM11505	INFO	○	○						
iSM11506	INFO	○	○						
iSM11507	INFO	○	○						
iSM11508	INFO	○	○						
iSM11509	INFO	○	○						
iSM11510	INFO	○	○						
iSM11521	INFO						○		
iSM11522	INFO						○		
iSM11531	INFO	○	○						
iSM11532	INFO	○	○						
iSM11533	INFO	○	○						
iSM11534	INFO	○	○						
iSM11535	INFO	○	○						
iSM11536	INFO	○	○						
iSM11537	INFO	○	○						
iSM11538	INFO	○	○						
iSM11539	INFO	○	○						
iSM11540	INFO	○	○						
iSM11542	INFO	○	○				○		
iSM11543	INFO	○	○				○		
iSM11544	INFO	○	○				○		
iSM11545	INFO	○	○				○		
iSM11546	INFO	○	○				○		
iSM11548	ERROR	○	○	○	○		○		
iSM11549	ERROR	○	○	○	○		○		
iSM11557	ERROR	○	○	○	○		○		

○: Output   △: Not output when the default is selected

648

Table A-1   Message Output Destination List   (16/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM11561	INFO	○	○						
iSM11562	INFO	○	○						
iSM11563	INFO	○	○						
iSM11564	INFO	○	○						
iSM11565	INFO	○	○						
iSM11566	INFO	○	○						
iSM11567	INFO	○	○						
iSM11568	INFO	○	○						
iSM11569	INFO	○	○						
iSM11570	INFO	○	○						
iSM11571	INFO	○	○						
iSM11572	INFO	○	○						
iSM11573	INFO	○	○						
iSM11574	INFO	○	○						
iSM11575	INFO	○	○						
iSM11576	INFO	○	○						
iSM11577	INFO	○	○						
iSM11578	INFO	○	○						
iSM11579	INFO	○	○						
iSM11580	INFO	○	○						
iSM11581	INFO	○	○						
iSM11582	INFO	○	○						
iSM11583	INFO	○	○						
iSM11584	INFO	○	○						
iSM11585	INFO	○	○						
iSM11586	INFO	○	○						
iSM11587	INFO	○	○						
iSM11600	INFO						○		
iSM11601	INFO						○		
iSM11602	INFO						○		
iSM11603	INFO						○		
iSM11604	INFO						○		
iSM11605	INFO						○		
iSM11700	INFO	○	○	○	Δ		○		
iSM11701	INFO	○	○	○	Δ	○	○		
iSM11702	ERROR	○	○	○	○	○	○		
iSM11703	ERROR	○	○	○	○		○		
iSM11704	ERROR	○	○	○	○		○		
iSM11705	ERROR	○	○	○	○		○		
iSM11706	ERROR	○	○	○	○		○		
iSM11707	ERROR	○	○	○	○		○		
iSM11708	ERROR	○	○	○	○		○		
iSM11709	ERROR	○	○	○	○		○		
iSM11710	WARNING	○	○	○	○	○	○		

○: Output   Δ: Not output when the default is selected

649

Table A-1   Message Output Destination List   (17/39)

ID	Classification	Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM11711	WARNING		○			○	○		
iSM11712	WARNING		○			○	○		
iSM11713	WARNING	○	○				○		
iSM11714	WARNING	○	○				○		
iSM11721	ERROR	○	○	○	○	○	○		
iSM11722	ERROR	○	○	○	○		○		
iSM11723	ERROR	○	○	○	○		○		
iSM11724	ERROR	○	○	○	○		○		
iSM11725	ERROR	○	○	○	○		○		
iSM11726	ERROR	○	○	○	○		○		
iSM11727	ERROR	○	○	○	○		○		
iSM11728	ERROR	○	○	○	○		○		
iSM11729	ERROR	○	○	○	○	○	○		
iSM11730	ERROR	○	○	○	○		○		
iSM11731	ERROR	○	○	○	○		○		
iSM11732	ERROR	○	○	○	○		○		
iSM11733	ERROR	○					○		
iSM11734	ERROR	○					○		
iSM11735	ERROR	○					○		
iSM11736	ERROR	○					○		
iSM11737	ERROR	○					○		
iSM11738	ERROR	○					○		
iSM11739	ERROR		○			○	○		
iSM11740	ERROR	○	○				○		
iSM11742	ERROR	○					○		
iSM11743	ERROR	○					○		
iSM11744	ERROR	○					○		
iSM11745	ERROR	○					○		
iSM11746	ERROR	○					○		
iSM11747	ERROR	○					○		
iSM11748	ERROR	○					○		
iSM11749	ERROR	○					○		
iSM11750	ERROR	○	○	○	○	○	○		
iSM11751	ERROR	○	○	○	○		○		
iSM11755	ERROR	○	○	○	○		○		
iSM11756	ERROR	○	○	○	○		○		
iSM11757	ERROR	○	○	○	○		○		
iSM11758	ERROR	○	○	○	○		○		
iSM11759	ERROR	○					○		
iSM11760	ERROR	○		○	○		○		

○: Output   Δ: Not output when the default is selected

650

Table A-1   Message Output Destination List   (18/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM11781	ERROR	○	○	○	○	○	○		
iSM11782	ERROR	○	○	○	○	○	○		
iSM11783	ERROR	○	○	○	○	○	○		
iSM11784	ERROR	○	○	○	○	○	○		
iSM11785	ERROR	○	○	○	○	○	○		
iSM11786	ERROR	○	○	○	○	○	○		
iSM11787	ERROR	○	○	○	○	○	○		
iSM11791	ERROR	○	○	○	○	○	○		
iSM11792	ERROR	○	○	○	○	○	○		
iSM11793	ERROR	○	○	○	○	○	○		
iSM11794	ERROR	○	○	○	○	○	○		
iSM11795	ERROR	○	○	○	○	○	○		
iSM11796	ERROR	○	○	○	○	○	○		
iSM11797	ERROR	○	○	○	○	○	○		
iSM11799	ERROR	○	○	○	○	○	○		
iSM11801	INFO						○		
iSM11802	INFO						○		
iSM11803	INFO						○		
iSM11804	INFO						○		
iSM13200	INFO	○	○	○	Δ				
iSM13201	INFO	○	○	○	Δ		○		
iSM13202	INFO	○	○	○	Δ		○		
iSM13203	INFO	○	○	○	Δ		○		
iSM13204	INFO	○	○	○	Δ		○		
iSM13205	INFO	○	○	○	Δ		○		
iSM13206	INFO	○	○	○	Δ		○		
iSM13207	INFO	○	○	○	Δ		○		
iSM13208	INFO	○	○	○	Δ		○		
iSM13209	INFO	○	○	○	Δ		○		
iSM13210	INFO	○	○	○	Δ		○		
ISM13211	INFO	○	○	○	Δ		○		
iSM13212	INFO	○	○	○	Δ		○		
iSM13213	INFO	○	○	○	Δ		○		
iSM13214	INFO	○	○	○	Δ	○	○		
iSM13215	INFO	○	○	○	Δ	○	○		
iSM13216	INFO	○	○	○	Δ	○	○		
iSM13218	INFO	○	○						
iSM13219	INFO	○	○						
iSM13220	INFO		○	○	Δ	○	○		

○: Output   Δ: Not output when the default is selected

651

Table A-1　Message Output Destination List　(19/39)

ID	Classification	Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM13221	INFO		○	○	△	○	○		
iSM13222	INFO		○			○	○		
iSM13223	INFO		○			○	○		
iSM13224	INFO	○	○	○	△	○	○		
iSM13225	INFO		○				○		
iSM13226	INFO		○				○		
iSM13227	INFO		○				○		
iSM13228	INFO		○				○		
iSM13229	INFO		○				○		
iSM13230	INFO		○			○	○		
iSM13231	INFO		○			○	○		
iSM13232	INFO		○			○	○		
iSM13233	INFO		○			○	○		
iSM13234	INFO		○			○	○		
iSM13235	INFO		○			○	○		
iSM13238	INFO		○			△	○		
iSM13239	INFO		○			△	○		
iSM13240	INFO		○				○		
iSM13241	INFO		○				○		
iSM13242	INFO		○				○		
iSM13243	INFO		○				○		
iSM13244	INFO		○				○		
iSM13245	INFO		○				○		
iSM13247	INFO	○	○	○			○		
iSM13248	INFO	○	○	○	△		○		
iSM13250	INFO		○			○	○		
iSM13251	INFO		○				○		
iSM13252	INFO		○				○		
iSM13253	INFO		○				○		
iSM13254	INFO		○				○		
iSM13255	INFO		○				○		
iSM13256	INFO		○				○		
iSM13400	WARNING	○	○	○	○	○	○		
iSM13401	WARNING	○	○	○	○	○	○		
iSM13403	WARNING	○	○	○	○	○	○		
iSM13405	WARNING	○	○	○	○	○	○		
iSM13406	WARNING	○	○	○	○	○	○		
iSM13407	WARNING			○	○				
iSM13408	WARNING	○	○	○	○	○	○		
iSM13409	WARNING	○	○	○	○	○	○		
iSM13410	WARNING	○	○	○	○	○	○		

○: Output　△: Not output when the default is selected

652

Table A-1 Message Output Destination List (20/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM13411	WARNING	○	○	○	○	○	○		
iSM13412	WARNING	○	○	○	○	○	○		
iSM13413	WARNING	○	○	○	○	○	○		
iSM13414	WARNING	○	○	○	○	○	○		
iSM13415	WARNING	○	○	○	○	○	○		
iSM13480	WARNING	○	○	○	○	○	○		
iSM13481	WARNING	○	○	○	○	○	○		
iSM13482	WARNING	○	○	○	○	○	○		
iSM13483	WARNING	○	○	○	○	○	○		
iSM13500	ERROR	○	○	○	○	○	○		
iSM13501	ERROR	○	○	○	○	○	○		
iSM13502	ERROR	○	○	○	○	○	○		
iSM13503	ERROR	○	○	○	○	○	○		
iSM13504	ERROR	○	○	○	○	○	○		
iSM13505	ERROR	○	○	○	○	○	○		
iSM13506	ERROR	○	○	○	○	○	○		
iSM13507	ERROR	○	○	○	○	○	○		
iSM13508	ERROR	○	○	○	○	○	○		
iSM13509	ERROR	○	○	○	○	○	○		
iSM13510	ERROR	○	○	○	○	○	○		
iSM13511	ERROR	○	○	○	○	○	○		
iSM13512	ERROR	○	○	○	○	○	○		
iSM13513	ERROR	○	○	○	○	○	○		
iSM13514	ERROR	○	○	○	○	○	○		
iSM13515	ERROR	○	○	○	○	○	○		
iSM13516	ERROR	○	○	○	○	○	○		
iSM13517	ERROR	○	○	○	○	○	○		
iSM13518	ERROR	○	○	○	○	○	○		
iSM13519	ERROR	○	○	○	○	○	○		
iSM13520	ERROR	○	○	○	○	○	○		
iSM13521	ERROR	○		○	○		○		
iSM13522	ERROR	○		○	○		○		
iSM13523	ERROR	○	○	○	○	○	○		
iSM13524	ERROR	○	○	○	○	○	○		
iSM13525	ERROR	○	○	○	○	○	○		
iSM13526	ERROR	○	○	○	○	○	○		
iSM13527	ERROR	○	○	○	○	○	○		
iSM13528	ERROR	○	○	○	○	○	○		
iSM13529	ERROR	○	○	○	○	○	○		
iSM13530	ERROR	○	○	○	○	○	○		

○: Output   Δ: Not output when the default is selected

653

Table A-1   Message Output Destination List   (21/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM13531	ERROR	O	O	O	O	O	O		
iSM13532	ERROR	O	O	O	O	O	O		
iSM13533	ERROR	O	O	O	O	O	O		
iSM13535	ERROR	O	O	O	O	O	O		
iSM13536	ERROR	O	O	O	O	O	O		
iSM13537	ERROR	O	O	O	O	O	O		
iSM13538	ERROR	O	O	O	O	O	O		
iSM13539	ERROR	O	O	O	O	O	O		
iSM13540	ERROR	O	O	O	O	O	O		
iSM13541	ERROR	O	O	O	O	O	O		
iSM13542	ERROR	O	O	O	O	O	O		
iSM13543	ERROR	O	O	O	O	O	O		
iSM13544	ERROR	O	O	O	O	O	O		
iSM13545	ERROR	O	O	O	O	O	O		
iSM13547	ERROR	O	O	O	O	O	O		
iSM13548	ERROR	O	O	O	O	O	O		
iSM13549	ERROR	O	O	O	O	O	O		
iSM13550	ERROR	O	O	O	O	O	O		
iSM13551	ERROR	O	O	O	O	O	O		
iSM13552	ERROR	O	O	O	O	O	O		
iSM13553	ERROR	O	O	O	O	O	O		
iSM13554	ERROR	O	O	O	O	O	O		
iSM13555	ERROR	O	O	O	O	O	O		
iSM13556	ERROR	O	O	O	O	O	O		
iSM13557	ERROR	O	O	O	O	O	O		
iSM13558	ERROR	O	O	O	O	O	O		
iSM13559	ERROR	O	O	O	O	O	O		
iSM13560	ERROR	O	O	O	O	O	O		
iSM13561	ERROR	O	O	O	O	O	O		
iSM13562	ERROR	O	O	O	O	O	O		
iSM13563	ERROR	O	O	O	O	O	O		
iSM13564	ERROR	O	O	O	O	O	O		
iSM13565	ERROR	O	O	O	O	O	O		
iSM13566	ERROR	O	O	O	O	O	O		
iSM13567	ERROR	O	O	O	O	O	O		
iSM13568	ERROR	O	O	O	O	O	O		
iSM13569	ERROR	O	O	O	O	O	O		
iSM13570	ERROR	O	O	O	O	O	O		

O: Output   Δ: Not output when the default is selected

654

Table A-1   Message Output Destination List   (22/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console	ALIVE/ express report	Manager
		UNIX	Windows	HP-UX	Solaris	Windows			
iSM13571	ERROR	○	○	○	○	○	○		
iSM13572	ERROR	○	○	○	○	○	○		
iSM13573	ERROR	○	○	○	○	○	○		
iSM13574	ERROR		○			○	○		
iSM13575	ERROR	○	○	○	○	○	○		
iSM13576	ERROR	○	○	○	○	○	○		
iSM13577	ERROR	○	○	○	○	○	○		
iSM13578	ERROR	○	○	○	○	○	○		
iSM13579	ERROR	○	○	○	○	○	○		
iSM13580	ERROR	○	○	○	○	○	○		
iSM13581	ERROR	○	○	○	○	○	○		
iSM13582	ERROR	○	○	○	○	○	○		
iSM13583	ERROR	○	○	○	○	○	○		
iSM13584	ERROR	○	○	○	○	○	○		
iSM13585	ERROR	○	○	○	○	○	○		
iSM13586	ERROR	○	○	○	○	○	○		
iSM13587	ERROR	○	○	○	○	○	○		
iSM13588	ERROR	○	○	○	○	○	○		
iSM13589	ERROR	○	○	○	○	○	○		
iSM13590	ERROR	○	○	○	○	○	○		
iSM13591	ERROR	○	○	○	○	○	○		
iSM13592	ERROR	○	○	○	○	○	○		
iSM13593	ERROR	○	○	○	○	○	○		
iSM13594	ERROR	○	○	○	○	○	○		
iSM13595	ERROR	○	○	○	○	○	○		
iSM13596	ERROR	○	○	○	○	○	○		
iSM13597	ERROR	○	○	○	○	○	○		
iSM13598	ERROR	○	○	○	○	○	○		
iSM13599	ERROR	○	○	○	○	○	○		
iSM13600	ERROR	○	○	○	○	○	○		
iSM13601	ERROR	○	○	○	○	○	○		
iSM13602	ERROR					○			
iSM13603	ERROR					○			
iSM13604	ERROR					○			
iSM13605	ERROR					○			
iSM13606	ERROR		○			○	○		
iSM13607	ERROR		○			○	○		
iSM13608	ERROR					○			
iSM13609	ERROR		○			○	○		
iSM13610	ERROR	○	○	○	○	○	○		

○: Output   Δ: Not output when the default is selected

655

Table A-1   Message Output Destination List   (23/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM13611	ERROR	O	O	O	O	O	O		
iSM13612	ERROR	O	O	O	O	O	O		
iSM13613	ERROR		O			O	O		
iSM13614	ERROR	O	O	O	O	O	O		
iSM13615	ERROR		O			O	O		
iSM13616	ERROR	O	O	O	O	O	O		
iSM13617	ERROR	O	O	O	O	O	O		
iSM13618	ERROR		O			O	O		
iSM13619	ERROR		O			O	O		
iSM13623	ERROR		O			O	O		
iSM13624	ERROR		O			O	O		
iSM13625	ERROR		O			O	O		
iSM13626	ERROR		O			O	O		
iSM13627	ERROR		O			O	O		
iSM13629	ERROR		O			O	O		
iSM13630	ERROR					O			
iSM13631	ERROR					O			
iSM13632	ERROR					O			
iSM13633	ERROR		O			O	O		
iSM13634	ERROR		O			O	O		
iSM13635	ERROR		O			O	O		
iSM13636	ERROR		O			O	O		
iSM13637	ERROR		O			O	O		
iSM13638	ERROR	O	O	O	O	O	O		
iSM13639	ERROR		O			O	O		
iSM13640	ERROR	O	O	O	O	O	O		
iSM13641	ERROR	O	O	O	O	O	O		
iSM13642	ERROR	O		O	O		O		
iSM13644	ERROR		O			O	O		
iSM13645	ERROR	O	O	O	O	O	O		
iSM13646	ERROR	O		O	O		O		
iSM13647	ERROR	O	O	O	O	O	O		
iSM13648	ERROR	O	O	O	O	O	O		
iSM13649	ERROR	O	O	O	O	O	O		
iSM13650	ERROR	O	O	O	O	O	O		
iSM13651	ERROR	O	O	O	O	O	O		
iSM13652	ERROR	O	O	O	O	O	O		
iSM13653	ERROR	O	O	O	O	O	O		
iSM13654	ERROR	O	O	O	O	O	O		
iSM13655	ERROR	O	O	O	O	O	O		
iSM13656	ERROR	O	O	O	O	O	O		
iSM13657	ERROR	O	O	O	O	O	O		
iSM13658	ERROR	O	O	O	O	O	O		
iSM13659	ERROR	O	O	O	O	O	O		
iSM13660	ERROR	O	O	O	O	O	O		

O: Output   Δ: Not output when the default is selected

656

Table A-1   Message Output Destination List   (24/39)

| ID | Classification | Output destination | | | | | | ESMPRO link | |
| | | Operation log | | Syslog | | Event log | Console | | |
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM13661	ERROR	○	○	○	○	○	○		
iSM13662	ERROR	○	○	○	○	○	○		
iSM13663	ERROR	○	○	○	○	○	○		
iSM13664	ERROR	○	○	○	○	○	○		
iSM13669	ERROR		○			○	○		
iSM13670	ERROR	○	○	○	○	○	○		
iSM13671	ERROR	○	○	○	○	○	○		
iSM13672	ERROR	○	○	○	○	○	○		
iSM13673	ERROR	○	○	○	○	○	○		
iSM13674	ERROR	○	○	○	○	○	○		
iSM13675	ERROR			○	○	○	○		
iSM13676	ERROR			○	○	○	○		
iSM13677	ERROR		○			○	○		
iSM13678	ERROR		○			○	○		
iSM13679	ERROR		○			○	○		
iSM13680	ERROR		○			○	○		
iSM13681	ERROR		○			○	○		
iSM13682	ERROR		○			○	○		
iSM13683	ERROR		○			○	○		
iSM13684	ERROR		○			○	○		
iSM13685	ERROR		○			○	○		
iSM13686	ERROR		○			○	○		
iSM13687	ERROR		○			○	○		
iSM13688	ERROR		○			○	○		
iSM13689	ERROR		○			○	○		
iSM13690	ERROR		○			○	○		
iSM13691	ERROR		○			○	○		
iSM13692	ERROR		○			○	○		
iSM13693	ERROR		○			○	○		
iSM13694	ERROR		○			○	○		
iSM13695	ERROR		○			○	○		
iSM13696	ERROR		○			○	○		
iSM13697	ERROR		○			○	○		
iSM13698	ERROR		○			○	○		
iSM13699	ERROR		○			○	○		
iSM13700	ERROR	○	○	○	○	○	○		

○: Output   △: Not output when the default is selected

657

Table A-1   Message Output Destination List   (25/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM13701	ERROR	○	○	○	○	○	○		
iSM13702	ERROR	○	○	○	○	○	○		
iSM13703	ERROR	○	○	○	○	○	○		
iSM13704	ERROR	○	○	○	○	○	○		
iSM13705	ERROR	○	○	○	○	○	○		
iSM13706	ERROR	○	○	○	○	○	○		
iSM13707	ERROR	○	○	○	○	○	○		
iSM13708	ERROR	○	○	○	○	○	○		
iSM13709	ERROR	○	○	○	○	○	○		
iSM13710	ERROR	○	○	○	○	○	○		
iSM13711	ERROR	○	○	○	○	○	○		
iSM13712	ERROR	○	○	○	○	○	○		
iSM13713	ERROR	○	○	○	○	○	○		
iSM13714	ERROR	○	○	○	○	○	○		
iSM13715	ERROR	○	○	○	○	○	○		
iSM13716	ERROR	○	○	○	○	○	○		
iSM13717	ERROR	○	○	○	○	○	○		
iSM13718	ERROR	○	○	○	○	○	○		
iSM13719	ERROR	○	○	○	○	○	○		
iSM13720	ERROR	○	○	○	○	○	○		
iSM13721	ERROR	○	○	○	○	○	○		
iSM13722	ERROR	○	○	○	○	○	○		
iSM13723	ERROR	○	○	○	○	○	○		
iSM13724	ERROR	○	○	○	○	○	○		
iSM13725	ERROR	○	○	○	○	○	○		
iSM13726	ERROR	○	○	○	○	○	○		
iSM13727	ERROR	○	○	○	○	○	○		
iSM13728	ERROR	○	○	○	○	○	○		
iSM13729	ERROR	○	○	○	○	○	○		
iSM13730	ERROR	○	○	○	○	○	○		
iSM13731	ERROR	○	○	○	○	○	○		
iSM13732	ERROR	○	○	○	○	○	○		
iSM13734	ERROR	○	○	○	○	○	○		
iSM13735	ERROR	○	○	○	○	○	○		
iSM13736	ERROR	○		○	○		○		
iSM13737	ERROR	○		○	○		○		
iSM13738	ERROR	○		○	○		○		
iSM13739	ERROR	○		○	○		○		
iSM13740	ERROR	○		○	○		○		

○: Output   Δ: Not output when the default is selected

658

Table A-1   Message Output Destination List   (26/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM13741	ERROR	O	O	O	O	O	O		
iSM13742	ERROR	O	O	O	O	O	O		
iSM13743	ERROR	O	O	O	O	O	O		
iSM13744	ERROR	O	O	O	O	O	O		
iSM13745	ERROR	O	O	O	O	O	O		
iSM13746	ERROR	O	O	O	O	O	O		
iSM13747	ERROR	O	O	O	O	O	O		
iSM13748	ERROR	O	O	O	O	O	O		
iSM13749	ERROR	O	O	O	O	O	O		
iSM13750	ERROR	O	O	O	O	O	O		
iSM13751	ERROR	O	O	O	O	O	O		
iSM13752	ERROR	O	O	O	O	O	O		
iSM13753	ERROR	O	O	O	O	O	O		
iSM13754	ERROR	O	O	O	O	O	O		
iSM13755	ERROR	O	O	O	O	O	O		
iSM13761	ERROR		O			O	O		
iSM13762	ERROR		O			O	O		
iSM13763	ERROR		O			O	O		
iSM13764	ERROR		O			O	O		
iSM13765	ERROR		O			O	O		
iSM13766	ERROR		O			O	O		
iSM13767	ERROR		O			O	O		
iSM13768	ERROR		O			O	O		
iSM13769	ERROR		O			O	O		
iSM13770	ERROR		O			O	O		
iSM13771	ERROR		O			O	O		
iSM13772	ERROR		O			O	O		
iSM13773	ERROR		O			O	O		
iSM13774	ERROR		O			O	O		
iSM13775	ERROR		O			O	O		
iSM13776	ERROR		O			O	O		
iSM13777	ERROR		O			O	O		
iSM13778	ERROR		O			O	O		
iSM13779	ERROR		O			O	O		
iSM13780	ERROR		O			O	O		
iSM13800	ERROR		O			O	O		

O: Output   Δ: Not output when the default is selected

659

Table A-1   Message Output Destination List   (27/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM13801	ERROR		○			○	○		
iSM13802	ERROR		○			○	○		
iSM13803	ERROR		○			○	○		
iSM13804	ERROR		○			○	○		
iSM13805	ERROR		○			○	○		
iSM13806	ERROR		○			○	○		
iSM13807	ERROR		○			○	○		
iSM13808	ERROR		○			○	○		
iSM13809	ERROR		○			○	○		
iSM13810	ERROR		○			○	○		
iSM13811	ERROR		○			○	○		
iSM13812	ERROR		○			○	○		
iSM13813	ERROR		○			○	○		
iSM13814	ERROR		○			○	○		
iSM13815	ERROR		○			○	○		
iSM13816	ERROR		○			○	○		
iSM13817	ERROR		○			○	○		
iSM13818	ERROR		○			○	○		
iSM13819	ERROR		○			○	○		
iSM13820	ERROR		○			○	○		
iSM13821	ERROR		○			○	○		
iSM13822	ERROR		○			○	○		
iSM13823	ERROR		○			○	○		
iSM13824	ERROR		○			○	○		
iSM13825	ERROR		○			○	○		
iSM13826	ERROR		○			○	○		
iSM13827	ERROR		○			○	○		
iSM13828	ERROR		○			○	○		
iSM13829	ERROR		○			○	○		
iSM13830	ERROR		○			○	○		
iSM13831	ERROR		○			○	○		
iSM13832	ERROR		○			○	○		
iSM13833	ERROR		○			○	○		
iSM13834	ERROR		○			○	○		
iSM13835	ERROR		○			○	○		
iSM13836	ERROR		○			○	○		
iSM14400	INFO	○	○						

○: Output   Δ: Not output when the default is selected

660

Table A-1   Message Output Destination List   (28/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM14401	INFO	○	○						
iSM14402	INFO	○	○						
iSM14403	INFO	○	○						
iSM14404	INFO	○	○						
iSM14405	INFO	○	○						
iSM14406	INFO	○	○						
iSM14407	INFO	○	○						
iSM14408	INFO	○	○						
iSM14409	INFO	○	○						
iSM14410	INFO	○	○						
iSM14411	INFO	○	○						
iSM14412	INFO	○	○						
iSM14413	INFO	○	○						
iSM14414	INFO	○	○						
iSM14415	INFO	○	○						
iSM14416	INFO	○	○						
iSM14417	INFO	○	○						
iSM14418	INFO	○	○						
iSM14419	INFO	○	○						
iSM14420	INFO	○	○						
iSM14421	INFO	○	○						
iSM14422	INFO	○	○						
iSM14423	INFO	○	○						
iSM14424	INFO	○	○						
iSM14425	INFO	○	○						
iSM14426	INFO	○	○						
iSM14427	INFO	○	○						
iSM14428	INFO	○	○						
iSM14429	INFO	○	○						
iSM14430	INFO	○	○						
iSM14431	INFO	○	○						
iSM14432	INFO	○	○						
iSM14433	INFO	○	○						
iSM14434	INFO	○	○						
iSM14435	INFO	○	○						
iSM14436	INFO	○	○						
iSM14437	INFO	○	○						
iSM14438	INFO	○	○						
iSM14439	INFO	○	○						
iSM14440	INFO	○	○						

○: Output   Δ: Not output when the default is selected

661

Table A-1   Message Output Destination List   (29/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM14441	INFO	○	○						
iSM14442	INFO	○	○						
iSM14443	INFO	○	○						
iSM14444	INFO	○	○						
iSM14445	INFO	○	○						
iSM14446	INFO	○	○						
iSM14447	INFO	○	○						
iSM14448	INFO	○	○						
iSM14449	INFO	○	○						
iSM14450	INFO	○	○						
iSM14451	INFO	○	○						
iSM14452	INFO	○	○						
iSM14453	INFO	○	○						
iSM14454	INFO	○	○						
iSM14456	INFO	○	○						
iSM14457	INFO	○	○						
iSM14458	INFO	○	○						
iSM14459	INFO	○	○						
iSM14461	INFO	○	○						
iSM14462	INFO	○	○						
iSM14464	INFO	○	○						
iSM14467	INFO	○	○						
iSM14468	INFO	○	○						
iSM14469	INFO	○	○						
iSM14470	INFO	○	○						
iSM14471	INFO	○	○						
iSM14472	INFO	○	○						
iSM14474	INFO	○	○						
iSM14475	INFO	○	○						
iSM14476	INFO	○	○						
iSM14600	INFO	○	○						
iSM14601	INFO	○	○						
iSM15600	INFO	○	○						
iSM16001	INFO	○	○						
iSM16020	NOTICE	○	○	○	○				
iSM16021	NOTICE	○	○	○	○				
iSM16029	WARNING	○	○	○	○				
iSM16030	WARNING	○	○	○	○				
iSM16031	WARNING	○	○	○	○				
iSM16032	WARNING	○	○	○	○				

○: Output   Δ: Not output when the default is selected

662

Table A-1 Message Output Destination List (30/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM16033	WARNING	○	○	○	○				
iSM16034	WARNING	○	○	○	○				
iSM16035	WARNING	○	○	○	○				
iSM16037	WARNING	○	○	○	○				
iSM16038	WARNING	○	○	○	○				
iSM16039	WARNING	○	○	○	○				
iSM16041	WARNING	○	○	○	○				
iSM16043	WARNING	○	○	○	○				
iSM16044	WARNING	○	○	○	○				
iSM16045	WARNING	○	○	○	○				
iSM16047	WARNING	○	○	○	○				
iSM16048	WARNING	○	○	○	○				
iSM16049	WARNING	○	○	○	○				
iSM16061	WARNING	○	○	○	○				
iSM16062	WARNING	○	○	○	○				
iSM16063	WARNING	○	○	○	○				
iSM16064	WARNING	○	○	○	○				
iSM16065	WARNING	○	○	○	○				
iSM16066	WARNING	○	○	○	○				
iSM16070	WARNING	○	○	○	○				
iSM16071	WARNING	○	○	○	○				
iSM16080	INFO	○	○	○	Δ				
iSM16081	WARNING	○	○	○	○				
iSM16082	WARNING	○	○	○	○				
iSM16083	ERROR	○	○	○	○				
iSM16084	ERROR	○	○	○	○				
iSM17001	NOTICE	○	○	○	○				
iSM17002	NOTICE	○	○	○	○				
iSM17003	NOTICE	○	○	○	○				
iSM17004	NOTICE	○	○	○	○				
iSM17010	NOTICE	○	○	○	○				
iSM17020	WARNING	○	○	○	○				
iSM17030	WARNING	○	○	○	○				
iSM17040	WARNING	○	○	○	○				
iSM17050	WARNING	○	○	○	○				
iSM17900	WARNING		○						

○: Output Δ: Not output when the default is selected

663

Table A-1   Message Output Destination List   (31/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM18001	INFO	○	○	○	Δ				
iSM18002	INFO	○	○	○	Δ				
iSM18003	INFO	○	○	○	Δ				
iSM18004	INFO	○	○	○	Δ				
iSM18005	INFO	○	○	○	Δ				
iSM18006	INFO	○	○	○	Δ				
iSM18007	ERROR	○	○	○	○	○			○
iSM18008	NOTICE	○	○	○	○				
iSM18201	WARNING	○	○	○	○				
iSM18202	WARNING	○	○	○	○				
iSM18203	WARNING	○	○	○	○				
iSM18204	WARNING	○	○	○	○				
iSM18205	WARNING	○	○	○	○				
iSM18301	ERROR	○	○	○	○				
iSM18302	ERROR	○	○	○	○				
iSM18303	WARNING	○	○	○	○				
iSM18311	ERROR	○	○	○	○				
iSM18321	WARNING	○	○	○	○				
iSM18501	INFO	○	○	○	Δ				
iSM18502	INFO	○	○	○	Δ				
iSM18503	INFO	○	○	○	Δ				
iSM18601	WARNING	○	○	○	○				
iSM18602	WARNING	○	○	○	○				
iSM18603	WARNING	○	○	○	○				
iSM18999	WARNING	○	○	○	○				
iSM19000	INFO	○	○	○	Δ	○			
iSM19010	INFO						○		
iSM19011	INFO	○	○	○	Δ	○			
iSM19012	INFO	○	○	○	Δ	○	○		
iSM19013	INFO	○	○	○	Δ	○			
iSM19020	INFO						○		
iSM19021	INFO	○	○	○	Δ	○			
iSM19022	INFO	○	○	○	Δ	○	○		
iSM19023	INFO	○	○	○	Δ	○			
iSM19030	INFO						○		
iSM19031	INFO	○	○	○	Δ	○			
iSM19032	INFO	○	○	○	Δ	○	○		
iSM19033	INFO	○	○	○	Δ	○			
iSM19034	INFO	○	○	○	Δ	○	○		
iSM19035	INFO	○	○	○	Δ	○			
iSM19100	ERROR	○	○	○	○	○	○		

○: Output   Δ: Not output when the default is selected

664

Table A-1   Message Output Destination List   (32/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM19101	ERROR	O	O	O	O	O	O		
iSM19102	ERROR	O	O	O	O	O	O		
iSM19103	ERROR	O	O	O	O	O	O		
iSM19104	ERROR	O	O	O	O	O	O		
iSM19105	ERROR	O	O	O	O	O	O		
iSM19106	ERROR	O	O	O	O	O	O		
iSM19107	ERROR	O	O	O	O	O	O		
iSM19108	ERROR	O	O	O	O	O	O		
iSM19109	ERROR	O	O	O	O	O	O		
iSM19110	ERROR	O	O	O	O	O	O		
iSM19111	ERROR	O	O	O	O	O	O		
iSM19112	ERROR	O	O	O	O	O	O		
iSM19113	ERROR	O	O	O	O	O	O		
iSM19114	ERROR	O	O	O	O	O	O		
iSM19115	ERROR	O	O	O	O	O	O		
iSM19116	ERROR		O			O	O		
iSM19117	ERROR		O			O	O		
iSM19118	ERROR	O	O	O	O	O	O		
iSM19119	ERROR	O	O	O	O	O	O		
iSM19120	ERROR		O			O	O		
iSM19121	ERROR	O	O	O	O	O	O		
iSM19122	ERROR	O	O	O	O	O	O		
iSM19123	ERROR	O	O	O	O	O	O		
iSM19124	INFO	O	O	O	Δ	O	O		
iSM19125	INFO	O	O	O	Δ	O	O		
iSM19126	INFO	O	O	O	Δ	O	O		
iSM19127	INFO	O	O	O	Δ	O	O		
iSM19200	ERROR	O	O	O	O	O	O		
iSM19202	ERROR	O	O	O	O	O	O		
iSM19203	ERROR	O		O	O		O		
iSM19208	ERROR	O	O	O	O	O	O		
iSM19209	ERROR	O	O	O	O	O	O		
iSM19210	ERROR	O	O	O	O	O	O		
iSM19212	WARNING	O	O	O	Δ	O	O		
iSM19213	ERROR	O	O	O	O	O	O		
iSM19301	ERROR	O	O	O	O	O	O		
iSM19302	ERROR	O	O	O	O	O	O		
iSM19303	ERROR	O	O	O	O	O	O		
iSM19304	ERROR	O	O	O	O	O	O		
iSM19305	ERROR	O	O	O	O	O	O		
iSM19306	ERROR	O	O	O	O	O	O		
iSM19307	ERROR	O	O	O	O	O	O		
iSM19308	ERROR	O	O	O	O	O	O		

O: Output   Δ: Not output when the default is selected

665

Table A-1   Message Output Destination List   (33/39)

ID	Classification	Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM19401	ERROR	O	O	O	O	O	O		
iSM19402	ERROR	O	O	O	O	O	O		
iSM19403	ERROR		O			O	O		
iSM19404	ERROR		O			O	O		
iSM19405	ERROR	O	O	O	O	O	O		
iSM19408	INFO	O	O	O	Δ	O			
iSM20000	INFO	O	O	O	Δ	O			
iSM20010	INFO						O		
iSM20011	INFO	O	O	O	Δ	O			
iSM20012	INFO	O	O	O	Δ	O	O		
iSM20013	INFO	O	O	O	Δ	O			
iSM20020	INFO						O		
iSM20021	INFO	O	O	O	Δ	O			
iSM20022	INFO	O	O	O	Δ	O	O		
iSM20023	INFO	O	O	O	Δ	O			
iSM20030	INFO						O		
iSM20031	INFO	O	O	O	Δ	O			
iSM20032	INFO	O	O	O	Δ	O	O		
iSM20033	INFO	O	O	O	Δ	O			
iSM20100	ERROR	O	O	O	O	O	O		
iSM20101	ERROR	O	O	O	O	O	O		
iSM20102	ERROR	O	O	O	O	O	O		
iSM20103	ERROR	O	O	O	O	O	O		
iSM20104	ERROR	O	O	O	O	O	O		
iSM20106	ERROR	O	O	O	O	O	O		
iSM20107	ERROR	O	O	O	O	O	O		
iSM20108	ERROR	O	O	O	O	O	O		
iSM20109	ERROR	O	O	O	O	O	O		
iSM20112	ERROR	O	O	O	O	O	O		
iSM20116	ERROR	O	O	O	O	O	O		
iSM20117	ERROR	O	O	O	O	O	O		
iSM20118	ERROR	O	O	O	O	O	O		
iSM20119	ERROR	O	O	O	O	O	O		
iSM20120	ERROR	O	O	O	O	O	O		
iSM20121	ERROR	O	O	O	O	O	O		
iSM20122	ERROR	O	O	O	O	O	O		
iSM20123	ERROR	O	O	O	O	O	O		
iSM20200	ERROR	O	O	O	O	O	O		

O: Output   Δ: Not output when the default is selected

666

Table A-1 Message Output Destination List (34/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSM20201	ERROR	O	O	O	O	O	O		
iSM20202	ERROR	O	O	O	O	O	O		
iSM20203	ERROR	O		O			O		
iSM20204	ERROR	O		O	O		O		
iSM20205	WARNING	O	O	O	Δ	O	O		
iSM20206	ERROR	O	O	O	O	O	O		
iSM20207	ERROR	O	O	O	O	O	O		
iSM20208	ERROR	O	O	O	O	O	O		
iSM20209	ERROR	O	O	O	O	O	O		
iSM20210	ERROR	O	O	O	O	O	O		
iSM20211	ERROR	O	O	O	O	O	O		
iSM20301	ERROR	O	O	O	O	O	O		
iSM20302	ERROR	O	O	O	O	O	O		
iSM20303	ERROR	O	O	O	O	O	O		
iSM20304	ERROR	O	O	O	O	O	O		
iSM20305	ERROR	O	O	O	O	O	O		
iSM20306	ERROR	O	O	O	O	O	O		
iSM20307	ERROR	O	O	O	O	O	O		
iSM20308	ERROR	O	O	O	O	O	O		
iSM20401	ERROR	O	O	O	O	O	O		
iSM20402	ERROR	O	O	O	O	O	O		
iSM20403	ERROR	O	O	O	O	O	O		
iSM20404	WARNING	O	O	O	Δ	O	O		
iSM20405	ERROR	O	O	O	O	O	O		
iSM20406	ERROR	O	O	O	O	O	O		
iSM99001	INFO						O		
iSM99002	INFO						O		

O: Output Δ: Not output when the default is selected

667

Table A-1　　Message Output Destination List　　(35/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSMnetconf: 001	INFO						○		
iSMnetconf :101	INFO						○		
iSMnetconf: 111	INFO						○		
iSMnetconf: 112	INFO						○		
iSMnetconf: 201	INFO						○		
iSMnetconf: 202	INFO						○		
iSMnetconf: 203	INFO						○		
iSMnetconf: 211	INFO						○		
iSMnetconf: 212	INFO						○		
iSMnetconf: 221	INFO						○		
iSMnetconf: 222	INFO						○		
iSMnetconf: 223	INFO						○		
iSMnetconf: 224	INFO						○		
iSMnetconf: 225	INFO						○		
iSMnetconf: 226	INFO						○		
iSMnetconf: 227	INFO						○		
iSMnetconf: 228	INFO						○		
iSMnetconf: 229	INFO						○		
iSMnetconf: 230	INFO						○		
iSMnetconf: 241	INFO						○		
iSMnetconf: 242	INFO						○		
iSMprfarc: 101	-						○		
iSMprfarc: 102	-						○		

○: Output　　Δ: Not output when the default is selected

668

Table A-1 Message Output Destination List (36/39)

ID	Classification	Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSMprfarc: 103	-						○		
iSMprfarc: 104	-						○		
iSMprfarc: 105	-						○		
iSMprfarc: 106	-						○		
iSMprfarc: 107	-						○		
iSMprfarc: 108	-						○		
iSMprfarc: 109	-						○		
iSMprfarc: 110	-						○		
iSMprfarc: 111	-						○		
iSMprfarc: 112	-						○		
iSMprfarc: 120	-						○		
iSMprfarc: 201	-						○		
iSMprfctl 001	-						○		
iSMprfctl 010	-						○		
iSMprfctl 011	-						○		
iSMprfctl 012	-						○		
iSMprfctl 013	-						○		
iSMprfctl 020	-						○		
iSMprfctl 021	-						○		
iSMprfctl 022	-						○		
iSMprfctl 023	-						○		
iSMprfctl 030	-						○		
iSMprfctl 031	-						○		

○: Output Δ: Not output when the default is selected

669

Table A-1   Message Output Destination List   (37/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSMprfctl 032	-						○		
iSMprfctl 033	-						○		
iSMprfctl 035	-						○		
iSMprfctl 036	-						○		
iSMprfctl 037	-						○		
iSMprfctl 040	-						○		
iSMprfctl 041	-						○		
iSMprfctl 042	-						○		
iSMprfctl 043	-						○		
iSMprfctl 044	-						○		
iSMprfctl 050	-						○		
iSMprfctl 051	-						○		
iSMprfctl 060	-						○		
iSMprfctl 090	-						○		
iSMprfctl 910	-						○		
iSMprfedit: 001	-						○		
iSMprfedit: 100	-						○		
iSMprfedit: 101	-						○		
iSMprfedit: 102	-						○		
iSMprfedit: 103	-						○		
iSMprfedit: 110	-						○		
iSMprfedit: 111	-						○		
iSMprfedit: 112	-						○		

○: Output   Δ: Not output when the default is selected

670

Table A-1   Message Output Destination List   (38/39)

ID	Classification	Output destination							
		Operation log		Syslog		Event log	Console	ESMPRO link	
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSMprfedit: 113	-						O		
iSMprfedit: 114	-						O		
iSMprfedit: 115	-						O		
iSMprfedit: 120	-						O		
iSMprfedit: 121	-						O		
iSMprfedit: 122	-						O		
iSMprfedit: 999	-						O		
iSMprfext: 001	-						O		
iSMprfext: 002	-						O		
iSMprfext: 003	-						O		
iSMprfext: 004	-						O		
iSMprfext: 005	-						O		
iSMprfext: 006	-						O		
iSMprfext: 007	-						O		
iSMprfext: 008	-						O		
iSMprfext: 009	-						O		
iSMprfext: 010	-						O		
iSMprfext: 011	-						O		
iSMprflog: 001	-						O		
iSMprflog: 002	-						O		
iSMprflog: 003	-						O		
iSMprflog: 010	-						O		
iSMprflog: 011	-						O		

O: Output   Δ: Not output when the default is selected

671

Table A-1   Message Output Destination List   (39/39)

ID	Classification	Output destination						ESMPRO link	
		Operation log		Syslog		Event log	Console		
		UNIX	Windows	HP-UX	Solaris	Windows		ALIVE/ express report	Manager
iSMprflog: 100	-						○		
iSMprflog: 101	-						○		
iSMprflog: 102	-						○		
iSMprflog: 103	-						○		
iSMprflog: 104	-						○		
iSMprflog: 120	-						○		
iSMprflog: 121	-						○		
iSMprflog: 122	-						○		
iSMprflog: 123	-						○		
iSMprflog: 900	-						○		

○: Output   Δ: Not output when the default is selected

672

Appendix B　Changed Message List

Table B-1　Message modification list (1/32)

| Message ID | Modification | | | iSM version | Description | | Classification |
	Added	Changed	Deleted		Message body		
iSM01110		○		Old	Illegal configuration. file=<*aaa...a*> line=<*bbb...b*> [section=<*ccc...c*>] [keyword=<*ddd...d*>] [value=<*eee...e*>] [token=<*fff...f*>]		NOTICE
				New	Illegal configuration. file=<*aaa...a*> line=<*bbb...b*> [section=<*ccc...c*>] [keyword=<*ddd...d*>] [value=<*eee...e*>] [token=<*fff...f*>] [detail=<*ggg...g*>]		NOTICE
iSM03206			○	Old	Data can not be received sequentially during split mode.ip=<*aaa...a*> port=<*bbbbb*> reason=(invalid sequence) detail=<*cc-dddd*>		ERROR
				New	-		-
iSM03224		○		Old	Control path is blockaded. file=(<*aaa...a*>) func=<*bbb...b*> errno=<*ccccc*> status=<*ddd...d*> (<*eee...e*> productID=<*fffff*> SN=<*ggggg*>) [UC=<*hhhhhhhh*> FC=<*ii*>]		ERROR
				New	Control path is blockaded. file=(<*aaa...a*>) func=<*bbb...b*> errno=<*ccccc*> status=<*ddd...d*> (<*eee...e*> productID=<*fffff*> SN=<*ggggg*>) [UC=<*hhhhhhhh*> FC=<*ii*>][_ALERT_]		ERROR
iSM03224		○		Old	Control path is blockaded. disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) func=<*fff...f*> errno=<*ggggg*> status=<*hhh...h*> (<*iii...i*> productID=<*jjjjj*> SN=<*kkkkk*>) [UC=<*llllllll*> FC=<*mm*>]		ERROR
				New	Control path is blockaded. disk=(disk<*aaa*> (Port<*bbb*> Bus<*ccc*> Target<*ddd*> Lun<*eee*>)) func=<*fff...f*> errno=<*ggggg*> status=<*hhh...h*> (<*iii...i*> productID=<*jjjjj*> SN=<*kkkkk*>) [UC=<*llllllll*> FC=<*mm*>][_ALERT_]		ERROR
iSM03224		○		Old	Control path is blockaded. ip=(<*aaa...a*>) func=<*bbb...b*> errno=<*ccccc*> status=<*ddddd*> (<*eee...e*> productID=<*fffff*> SN=<*ggggg*>) [UC=<*hhhhhhhh*> FC=<*ii*>]		ERROR
				New	Control path is blockaded. ip=(<*aaa...a*>) func=<*bbb...b*> errno=<*ccccc*> status=<*ddddd*> (<*eee...e*> productID=<*fffff*> SN=<*ggggg*>) [UC=<*hhhhhhhh*> FC=<*ii*>][_ALERT_]		ERROR
iSM03226			○	Old	All control paths of (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*>) are not available. detail=<*dd-eeee*>		ERROR
				New	-		-
iSM03412			○	Old	Received invalid socket event. event=(<*aaaaaaaa*>) pid=<*bbbbb*> detail=<*cc-dddd*>		ERROR
				New	-		-

673

Table B-1   Message modification list (2/32)

Message ID	Modification			iSM version	Modification	
	Added	Changed	Deleted		Message body	Classification
iSM07012		O		Old	Resource monitoring started. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*]	INFO
				New	Resource monitoring started. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*][_ALERT_]	INFO
iSM07023		O		Old	Resource monitoring stopped by control path fault. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*]	ERROR
				New	Resource monitoring stopped by control path fault. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*] [_ALERT_]	ERROR
iSM07024		O		Old	Resource monitoring stopped by information collecting failure. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*]	ERROR
				New	Resource monitoring stopped by information collecting failure. (*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*] [_ALERT_]	ERROR
iSM07026		O		Old	Resource monitoring changes to recovery mode.(*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*]	ERROR
				New	Resource monitoring changes to recovery mode.(*<aaa...a>* productID=*<bbbbb>* SN=*<ccccc>*) [UC=*<dddddddddd>* FC=*<ee>*] [_ALERT_]	ERROR
ISM07092			O	Old	Collecting information failed. (<aaa…a>)	WARNING
				New	-	-
iSM07102		O		Old	State of PD(*<aa>*h) has become fault. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)	ERROR
				New	State of PD(*<aa>*h) has become fault. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)[_ALERT_]	ERROR
iSM07104		O		Old	State of PD(*<aa>*h) has become attn(rebuilding). (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)	ERROR
				New	State of PD(*<aa>*h) has become attn(rebuilding). (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)[_ALERT_]	ERROR
iSM07109		O		Old	State of PD(*<aa>*h) has become ready. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)	INFO
				New	State of PD(*<aa>*h) has become ready. (*<bbb...b>* productID=*<ccc...c>* SN=*<ddd...d>* No=*<ee>*h-*<ff>*h *<ggg...g>*)[_ALERT_]	INFO

674

Table B-1   Message modification list (3/32)

| Message ID | Modification | | | iSM version | Modification | |
	Added	Changed	Deleted		Message body	Classification
iSM07112		○		Old	State of <*aaaaa*>(<*bb*>h[-<*cc*>h]) has become fault. (<*ddd...d*> productID=<*eeeee*> SN=<*fffff*> No=<*gg*>h)	ERROR
				New	State of <*aaaaa*>(<*bb*>h[-<*cc*>h]) has become fault. (<*ddd...d*> productID=<*eeeee*> SN=<*fffff*> No=<*gg*>h)[_ALERT_]	ERROR
iSM07123		○		Old	State of LD has become fault(media error). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*> [PDN=<*ff*>h-<*gg*>h]))	ERROR
				New	State of LD has become fault(media error). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*> [PDN=<*ff*>h-<*gg*>h]))[_ALERT_]	ERROR
iSM07142		○		Old	State of RANK has become fault. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h)	ERROR
				New	State of RANK has become fault. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h) [_ALERT_]	ERROR
iSM07152		○		Old	State of PD(<*aa*>h) has become fault. (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>]	ERROR
				New	State of PD(<*aa*>h) has become fault. (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>][_ALERT_]	ERROR
iSM07154		○		Old	State of PD(<*aa*>h) has become attn(rebuilding). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>]	NOTICE
				New	State of PD(<*aa*>h) has become attn(rebuilding). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>] [_ALERT_]	NOTICE
iSM07159		○		Old	State of PD(<*aa*>h) has become ready. (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>]	INFO
				New	State of PD(<*aa*>h) has become ready. (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>][_ALERT_]	INFO
iSM07162		○		Old	State of <*aaaaa*>(<*bb*>h[-<*cc*>h]) has become fault. (<*ddd...d*> productID=<*eeeee*> SN=<*fffff*> No=<*gg*>h) [UC=<*hhhhhhhhhh*> FC=<*ii*>]	ERROR
				New	State of <*aaaaa*>(<*bb*>h[-<*cc*>h]) has become fault. (<*ddd...d*> productID=<*eeeee*> SN=<*fffff*> No=<*gg*>h) [UC=<*hhhhhhhhhh*> FC=<*ii*>] [_ALERT_]	ERROR

675

Table B-1　Message modification list (4/32)

| Message ID | Modification | | | iSM version | Modification | |
	Added	Changed	Deleted		Message body	Classification
iSM07173		○		Old	State of LD has become fault(media error). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*> [PDN=<*ff*>h-<*gg*>h]) [UC=<*hhh...h*> FC=<*ii*>]	ERROR
				New	State of LD has become fault(media error). (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*> [PDN=<*ff*>h -<*gg*>h]) [UC=<*hhh...h*> FC=<*ii*>][_ALERT_]	ERROR
iSM07192		○		Old	State of RANK has become fault. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h) [UC=<*ffffffffff*> FC=<*gg*>]	ERROR
				New	State of RANK has become fault. (<*aaa...a*> productID=<*bbbbb*> SN=<*ccccc*> No=<*dd*>h-<*ee*>h) [UC=<*ffffffffff*> FC=<*gg*>] [_ALERT_]	ERROR
iSM07206			○	Old	CHE-Disk has configured. (<aaa…a>)	NOTICE
				New	-	-
iSM07208			○	Old	ACCESS_CONTROL has configured. (<aaa…a>)	NOTICE
				New	-	-
iSM07402		○		Old	State of PD(<*aa*>h) has become info(inactive). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)	INFO
				New	State of PD(<*aa*>h) has become info(inactive). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>)[_ALERT_]	INFO
iSM07412		○		Old	State of POOL has become fault. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)	ERROR
				New	State of POOL has become fault. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)[_ALERT_]	ERROR
iSM07452		○		Old	State of PD(<*aa*>h) has become info(inactive). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>]	INFO
				New	State of PD(<*aa*>h) has become info(inactive). (<*bbb...b*> productID=<*ccc...c*> SN=<*ddd...d*> No=<*ee*>h-<*ff*>h <*ggg...g*>) [UC=<*hhh...h*> FC=<*ii*>] [_ALERT_]	INFO
iSM07462		○		Old	State of POOL has become fault. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>) [UC=<*fff...f*> FC=<*gg*>]	ERROR
				New	State of POOL has become fault. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>) [UC=<*fff...f*> FC=<*gg*>] [_ALERT_]	ERROR

676

Table B-1 Message modification list (5/32)

| Message ID | Modification | | | iSM version | Modification | |
	Added	Changed	Deleted		Message body	Classification
iSM07616	○			Old	-	-
				New	The capacity of SRA used is over threshold.(<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<dddd>h Name=<*eee...e*> capacity=<*fff...f*>GB threshold=<*ggg...g*>GB)	WARNING
iSM07617	○			Old	-	-
				New	The capacity of SRA used is under threshold.(<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<dddd>h Name=<*eee...e*> capacity=<*fff...f*>GB threshold=<*ggg...g*>GB)	INFO
iSM07620		○		Old	Expansion State of POOL has become normal-end. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)	INFO
				New	Expansion State of POOL has become normal-end. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)[_ALERT_]	INFO
iSM07621		○		Old	Expansion State of POOL has become expanding. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)	NOTICE
				New	Expansion State of POOL has become expanding. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)[_ALERT_]	NOTICE
iSM07622		○		Old	Expansion State of POOL has become expand-fail. (<*aaa...a*> productID=<*bbb...b*> SN=<ccc...c> No=<*dddd*>h Name=<*eee...e*>)	ERROR
				New	Expansion State of POOL has become expand-fail. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)[_ALERT_]	ERROR
iSM07670		○		Old	Expansion State of POOL has become normal-end. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)	INFO
				New	Expansion State of POOL has become normal-end. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>) [UC=<*fff...f*> FC=<*gg*>][_ALERT_]	INFO
iSM07671		○		Old	Expansion State of POOL has become expanding. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)	NOTICE
				New	Expansion State of POOL has become expanding. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>) [UC=<*fff...f*> FC=<*gg*>][_ALERT_]	NOTICE

677

Table B-1   Message modification list (6/32)

Message ID	Modification			iSM version	Description		
	Added	Changed	Deleted		Message body		Classification
iSM07672		○		Old	Expansion State of POOL has become expand-fail. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>)		ERROR
				New	Expansion State of POOL has become expand-fail. (<*aaa...a*> productID=<*bbb...b*> SN=<*ccc...c*> No=<*dddd*>h Name=<*eee...e*>) [UC=<*fff...f*> FC=<*gg*>][_ALERT_]		ERROR
iSM07950		○		Old	Illegal write data is detected. (<*aaa...a*>, LDN=<*bbbb*>h, host-info=<*ccc...c*>)		WARNING
				New	Illegal write data has been detected. (<*aaa...a*>, LD=<*bbb...b*>(<*cccc*>h), host-info=<*ddd...d*>)		WARNING
iSM08035		○		Old	Disk array=<*aaa...a*> logging is started(overload) interval=<*bb*>		INFO
				New	Disk array=<*aaa...a*> logging is started(overload) interval=<*bb*>		NOTICE
iSM08054		○		Old	Threshold excess state has been reset [Disk array=<*aaa...a*>] [type=<*bbbb*>] [number=<*cccc*>] [<<*dddddddd*>>]		NOTICE
				New	Threshold excess state has been reset [Disk array=<*aaa...a*>] [type=<*bbbb*>] [number=<*cccc*>] [<<*dddddddd*>>]		NOTICE
iSM10302		○		Old	command: <*aaa...a*>, <*bbb...b*>, status=failed(<*ccc...c*>h/<*ddd...d*>h/<*eee...e*>h)		INFO
				New	command: <*aaa...a*>, <*bbb...b*>, status=failed(<*cc*>h/<*dd*>h/<*ee*>h)		INFO
iSM10318		○		Old	Replication state of Logical Disk was changed: LD=<*aaa...a*>(<*bbb...b*>h) <*ccc...c*>, Restriction=<*ddd...d*>[, Shadow copy data=<*eeeeeee*>] [, several states changed.]		NOTICE
				New	Replication state of Logical Disk was changed: LD=<*aaa...a*>(<*bbbb*>h) <*ccc...c*>, Restriction=<*ddd...d*> [, several states changed.]		NOTICE

678

Table B-1   Message modification list (7/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM10400		○		Old	copy error:mv=<*aaa...a*> (<*bbb...b*>h) <*ccc...c*>, rv=<*aaa...a*> (<*bbb...b*>h)<*ccc...c*>, status=<*ddd...d*>h	NOTICE
				New	copy error:mv=<*aaa...a*>(<*bbbb*>h)<ccc...c>, rv=<*aaa...a*> (<*bbbb*>h)<*ccc...c*>, status=<*ddd...d*>h[,ATgroup=<*eee...e*>] [_ALERT_]	ERROR
iSM10401		○		Old	copy error:mv=<*aaa...a*>(<*bbb...b*>h)<*ccc...c*>, rv=<*aaa...a*>(<*bbb...b*>h)<*ccc...c*>,status=<*ddd...d*>h [UC=<*eeeeeeee*> FC=<*ff*>]	ERROR
				New	copy error:mv=<*aaa...a*>(<*bbbb*>h)<*ccc...c*>, rv=<*aaa...a*> (<*bbbb*>h)<*ccc...c*>, status=<*ddd...d*>h[,ATgroup=<*eee...e*>] [UC=<*fff...f*> FC=<*gg*>] [_ALERT_]	ERROR
iSM10403		○		Old	Disk array info (<*aaa...a*> S/N=<*bbb...b*> Product-ID=<*ccc...c*>) [UC=<*dddddddd*> FC=<*ee*>]	ERROR
				New	Disk array info (<aaa...a> S/N=<bbb...b> Product-ID=<*ccc...c*>) [UC=<*ddd...d*> FC=<*ee*>] [_ALERT_]	ERROR
iSM10411		○		Old	comm error:report sc=<*aaa...a*>h, ec=<*bbb...b*>h	NOTICE
				New	comm error:report sc=<*aaaaaaaa*>h, ec=<*bbb...b*>h	NOTICE
iSM11181			○	Old	WWPN does not exist.	INFO
				New	-	-
iSM11183	○			Old	-	-
				New	Snapshot Pool doesn't exist.	INFO
iSM11184	○			Old	-	-
				New	Snapshot LD doesn't exist.	INFO

Table B-1   Message modification list (8/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM11322		○		Old	The address which can be specified is *<aaaa>*h or *<bbbb>*h.	INFO
				New	The address which can be specified is "*<aaaa>*h" or "*<bbbb>*h".	INFO
iSM11377		○		Old	Cannot bind LD, because LD number exceeds the range that can be specified.Only *<aa>* LDs will be able to be bound.	INFO
				New	Cannot bind LD, because LD number of LD exceeds the range that can be specified. Only *<aa>* LDs be able to be bound.	INFO
iSM11379		○		Old	Not enough space to bind LD.Only *<aa>* LDs will be able to be bound.	INFO
				New	Not enough space to bind LD. Only *<aa>* LDs be able to be bound.	INFO
iSM11382		○		Old	*<aa>* LDs was bound successfully. But some LDs have failed to bind.	INFO
				New	*<aa>* LDs was bound successfully. But some LDs failed to bind.	INFO
iSM11437			○	Old	PD (assigned as SPARE) is not found. (*<aaa...a>*)	INFO
				New	-	-
iSM11541			○	Old	Controller resource doesn't exist. (*<aaa...a>*)	INFO
				New	-	
iSM11573		○		Old	Controller detail information option is selected. (*<aaa...a>*)	INFO
				New	Controller detail information option was selected. (*<aaa...a>*)	INFO
iSM11574		○		Old	Enclosure detail information option is selected. (*<aaa...a>*)	INFO
				New	Enclosure detail information option was selected. (*<aaa...a>*)	INFO
iSM11583	○			Old	-	-
				New	Snapshot Pool list information option was selected.	INFO
iSM11584	○			Old	-	-
				New	Snapshot Pool detail information with Pool Name key option was selected.	INFO
iSM11585	○			Old	-	-
				New	Snapshot Pool detail information with Pool Number key option was selected.	INFO
iSM11586	○			Old	-	-
				New	Snapshot LD list information option was selected.	INFO
iSM11587	○			Old	-	-
				New	Snapshot LD detail information option was selected.	INFO
iSM11710			○	Old	Conflict of target-control volume list data has been detected. Please update volume list data.	WARNING
				New	-	-
iSM11712		○		Old	Volume list data is not created by using the function of control volume.	WARNING
				New	Volume list data is not created by the command which supports property display.	WARNING
iSM11713	○			Old	-	-
				New	Some definitions of control volume are invalid.	WARNING

680

Table B-1   Message modification list (9/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM11714	○			Old	-	-
				New	Volume list data has no control volume.	WARNING
iSM11740	○			Old	-	-
				New	Failed to get property of volume list data.	ERROR
iSM13218	○			Old	-	-
				New	*<aaa...a> <bbb...b>*	INFO
iSM13219	○			Old	-	-
				New	*<aaa...a>* return=*<bbb...b> <ccc...c>*	INFO
iSM13220		○		Old	Setting drive letter (*aaa...a*) has succeeded. Setting mount point (*bbb...b*) has succeeded.	INFO
				New	Setting drive letter (*<aaa...a>*) has succeeded. Setting mount point (*<bbb...b >*) has succeeded.	INFO
iSM13221		○		Old	Resetting drive letter (*aaa...a*) has succeeded.Resetting mount point (bbb...b) has succeeded.	INFO
				New	Resetting drive letter (*<aaa...a>*) has succeeded. Resetting mount point (*<bbb...b>*) has succeeded.	INFO
iSM13225	○			Old	-	-
				New	Flush Start *<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13226	○			Old	-	-
				New	Flush Normal End *<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13227	○			Old	-	-
				New	Flush Abnormal End *<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13228		○		Old	Scan Start	INFO
				New	Scan Start *<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13229		○		Old	Scan Normal End	INFO
				New	Scan Normal End *<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13230		○		Old	Scan Abnormal End	INFO
				New	Scan Abnormal End *<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13247		○		Old	Command has completed successfully.	INFO
				New	Command has completed successfully. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)	INFO
iSM13248		○		Old	Command has completed successfully.(already)	INFO
				New	Command has completed successfully.(already) (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)	INFO
iSM13250	○			Old	-	-
				New	Snapshot has been deleted. SV:*<aaa...a>* (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)	INFO
iSM13251	○			Old	-	-
				New	Create Start *<aaaa/bb/cc> <dd:ee:ff>*	INFO

681

Table B-1　Message modification list (10/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM13252	○			Old	-	-
				New	Create Normal End　*<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13253	○			Old	-	-
				New	Create Abnormal End　*<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13254	○			Old	-	-
				New	Delete Start　*<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13255	○			Old	-	-
				New	Delete Normal End　*<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13256	○			Old	-	-
				New	Delete Abnormal End　*<aaaa/bb/cc> <dd:ee:ff>*	INFO
iSM13403		○		Old	Specified attribute (*<aaa...a>*) was already set up to the ATgroup. ATG=*<bbb...b>*	WARNING
				New	Specified attribute (*<aaa...a>*) was already set up to the ATgroup. ATG=*<bbb...b>* (code=*<ccc...c>*-*<ddd...d>*-*<ddd...d>*-*<ddd...d>*)	WARNING
iSM13406		○		Old	Specified targets are duplicated. MV=*<aaa...a>*	WARNING
				New	Specified targets are duplicated. MV=*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	WARNING
iSM13406	○			Old	-	-
				New	Specified targets are duplicated. volume=*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	WARNING
iSM13408		○		Old	These targets have replicated. ATG=*<aaa...a>*	WARNING
				New	These targets have replicated. ATG=*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	WARNING
iSM13408		○		Old	These targets have replicated. MV:*<aaa...a>* RV:*<aaa...a>*	WARNING
				New	These targets have replicated. MV:*<aaa...a>* RV:*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	WARNING
iSM13409		○		Old	These targets have separated. ATG=*<aaa...a>*	WARNING
				New	These targets have separated. ATG=*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	WARNING
iSM13409		○		Old	These targets have separated. MV:*<aaa...a>* RV:*<aaa...a>*	WARNING
				New	These targets have separated. MV:*<aaa...a>* RV:*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	WARNING
iSM13410		○		Old	These targets have restored. MV:*<aaa...a>* RV:*<aaa...a>*	WARNING
				New	These targets have restored. MV:*<aaa...a>* RV:*<aaa...a>* (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	WARNING
iSM13533	○			Old	-	-
				New	RV name is too long. error filename=*<aaa...a>* line=*<bbb...b>*	ERROR
iSM13533	○			Old	-	-
				New	Specified volume name is too long. error filename=*<aaa...a>* line=*<bbb...b>*	ERROR
iSM13534			○	Old	RV name is too long. error filename=*<aaa...a>* line=*<bbb...b>*	ERROR
				New	-	-

Table B-1 Message modification list (11/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM13560	O			Old	-	-
				New	State of the specified ATgroup is unknown. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13577		O		Old	These targets are replicating now. MV:<*aaa...a*> RV:<*aaa...a*>	ERROR
				New	These targets are replicating now. MV:<*aaa...a*> RV:<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13578		O		Old	These targets are separating now. MV:<*aaa...a*> RV:<*aaa...a*>	ERROR
				New	These targets are separating now. MV:<*aaa...a*> RV:<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13579		O		Old	These targets are restoring now. MV:<*aaa...a*> RV:<*aaa...a*>	ERROR
				New	These targets are restoring now. MV:<*aaa...a*> RV:<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13583		O		Old	These targets have restored.	ERROR
				New	These targets have restored. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13617		O		Old	Illegal ATgroup name. (<*aaa...a*>)	ERROR
				New	Illegal ATgroup name. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13624	O			Old	-	-
				New	Specified volume has no mount point. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13625	O			Old	-	-
				New	Specified volume has more than one mount point. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13653		O		Old	Illegal mode type. (<*aaa...a*>)	ERROR
				New	Illegal mode type. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13654		O		Old	Illegal rvuse type. (<*aaa...a*>)	ERROR
				New	Illegal rvuse type. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13655		O		Old	Illegal condition type. (<*aaa...a*>)	ERROR
				New	Illegal condition type. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR

683

Table B-1   Message modification list (12/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM13656		○		Old	Illegal value of -interval [second]. (*<aaa...a>*)	ERROR
				New	Illegal value of -interval [second]. (*<aaa...a>*) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)	ERROR
iSM13657		○		Old	Illegal value of -limit [second]. (*<aaa...a>*)	ERROR
				New	Illegal value of -limit [second]. (*<aaa...a>*) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)	ERROR
iSM13658		○		Old	Wait command has terminated because it has reached the time limit which is specified by the limit option. (*<aaa>* sec)	ERROR
				New	Wait command has terminated because it has reached the time limit which is specified by the limit option. (*<aaa>* sec) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)	ERROR
iSM13659		○		Old	Specified targets are unavailable. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*	ERROR
				New	Specified targets are not available. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*	ERROR
iSM13669	○			Old	-	-
				New	SnapControl is not installed. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)	ERROR
iSM13670	○			Old	-	-
				New	ReplicationControl is not installed. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)	ERROR
iSM13671	○			Old	-	-
				New	License for DynamicSnapVolume is locked. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)	ERROR
iSM13672	○			Old	-	-
				New	DynamicSnapVolume is not supported. (code=*<aaa...a>-<bbb...b>-<bbb...b>-<bbb...b>*)	ERROR
iSM13673		○		Old	Specified attribute (*<aaa...a>*) does not match the attribute of ATgroup. ATG=*<bbb...b>*	ERROR
				New	Specified attribute (*<aaa...a>*) does not match the attribute of ATgroup. ATG=*<bbb...b>* (code=*<ccc...c>-<ddd...d>-<ddd...d>-<ddd...d>*)	ERROR
iSM13674	○			Old	-	-
				New	Specified volume is used by snapshot function. *<aaa...a>*:*<bbb...b>* (code=*<ccc...c>-<ddd...d>-<ddd...d>-<ddd...d>*)	ERROR
iSM13677	○			Old	-	-
				New	Backup set name is too long. (*<aaa...a>*) (code=*<bbb...b>-<ccc...c>-<ccc...c>-<ccc...c>*)	ERROR

684

Table B-1   Message modification list (13/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM13678	○			Old	-	-
				New	Description is too long. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR
iSM13681		○		Old	MV volume differs from database volume.	ERROR
				New	Specified volume differs from database volume. code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13700	○			Old	-	-
				New	Failed to execute command.	ERROR
iSM13727		○		Old	Attribute of specified volume is 'reserve'. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
				New	Attribute of specified volume is '*<aaa...a>*'.*<bbb...b>*:*<ccc...c>* (code=*<ddd...d>*-*<eee...e>*-*<eee...e>*-*<eee...e>*)	ERROR
iSM13748		○		Old	Failed to *<aaa...a>*(*<bbb...b>*). drive letter (*<ccc...c>*)	ERROR
				New	Failed to *<aaa...a>*(*<bbb...b>*). drive letter (*<ccc...c>*) (code=*<eee...e>*-*<fff...f>*-*<fff...f>*-*<fff...f>*)	ERROR
iSM13748		○		Old	Failed to *<aaa...a>*(*<bbb...b>*). mount point volume (*<ddd...d>*)	ERROR
				New	Failed to *<aaa...a>*(*<bbb...b>*). mount point volume (*<ddd...d>*) (code=*<eee...e>*-*<fff...f>*-*<fff...f>*-*<fff...f>*)	ERROR
iSM13749		○		Old	Volume list data is locked by another process.	ERROR
				New	Volume list data is locked by another process. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13750		○		Old	Volume list data does not exist.	ERROR
				New	Volume list data does not exist. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13751		○		Old	Volume type is not ld.	ERROR
				New	Volume type is not ld. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13752		○		Old	Timeout error has occurred in iSM/Server.	ERROR
				New	Timeout error has occurred in iSM/Server. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13753		○		Old	Disconnected from iSM/Server.	ERROR
				New	Disconnected from iSM/Server. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13754		○		Old	Replication function of iSM/Server is not ready.	ERROR
				New	Replication function of iSM/Server is not ready. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13755		○		Old	Command issue to *<aaa...a>* failed.	ERROR
				New	Command issue to *<aaa...a>* failed. (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR

685

Table B-1   Message modification list (14/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM13761	○			Old	-	-
				New	Illegal bvflg type. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR
iSM13762	○			Old	-	-
				New	Illegal svflg type. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR
iSM13763	○			Old	-	-
				New	SV is omitted. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13764	○			Old	-	-
				New	RV or SV is omitted. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13765	○			Old	-	-
				New	Replication and snapshot function are mixed in specified pairs. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13766	○			Old	-	-
				New	Illegal option value was specified. (*<aaa...a>*) (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR
iSM13767	○			Old	-	-
				New	Illegal volume type is specified. filename=<aaa...a> line=*<bbb...b>* (code=*<ccc...c>*-*<ddd...d>*-*<ddd...d>*-*<ddd...d>*)	ERROR
iSM13768	○			Old	-	-
				New	Illegal option value was specified. filename=*<aaa...a>* line=*<bbb...b>* (code=*<ccc...c>*-*<ddd...d>*-*<ddd...d>*-*<ddd...d>*)	ERROR
iSM13769	○			Old	-	-
				New	Specified volume does not match the database volume. (code=*<aaa...a>*-*<bbb...b>*-*<bbb...b>*-*<bbb...b>*)	ERROR
iSM13770	○			Old	-	-
				New	State of specified pair is invalid. (state=*<aaa...a>*) [BV:*<bbb...b>*] [SV:*<ccc...c>*] (code=*<ddd...d>*-*<eee...e>*-*<eee...e>*-*<eee...e>*)	ERROR
iSM13771	○			Old	-	-
				New	Specified volume is under restoration. [BV:<aaa...a>] (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR
iSM13772	○			Old	-	
				New	The volume under deletion exists. [BV:<aaa...a>] (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR
iSM13773	○			Old	-	-
				New	Specified volume is linked from LV. [{BV|SV}:*<aaa...a>*] (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR
iSM13774	○			Old	-	-
				New	Specified volume is protected by SV guard. [SV:*<aaa...a>*] (code=*<bbb...b>*-*<ccc...c>*-*<ccc...c>*-*<ccc...c>*)	ERROR

686

Table B-1 Message modification list (15/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM13775	○			Old	-	-
				New	Deleting snapshot has terminated because "Snap State" is changed by other process. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13776	○			Old	-	-
				New	Restoring snapshot has terminated because "Snap State" is changed by other process. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13777	○			Old	-	-
				New	The volume linked from LV exists. [BV:<*aaa...a*>] (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13778	○			Old	-	-
				New	The volume of SV guard exists. [SV:<*aaa...a*>] (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13779	○			Old	-	-
				New	Function error has occurred. function=<aaa...a> retcode=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13780	○			Old	-	-
				New	Specified volume is used by replication function. BV:<*aaa...a*> (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13800		○		Old	No such database name. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	No such database name. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13801		○		Old	Illegal Option type is specified. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Illegal Option type is specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13802		○		Old	Database name is too long. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Database name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13803		○		Old	User id is too long. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	User id is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13804		○		Old	Password is too long. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Password is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR

687

Table B-1   Message modification list (16/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM13805		○		Old	Server name is too long.filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Server name is too long.filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13806	○			Old	-	-
				New	Back up set name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13807	○			Old	-	-
				New	Description name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13808		○		Old	Illegal remod type. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Illegal remod type. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13809		○		Old	Refile name is too long. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Refile name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13810		○		Old	Specified option (<*aaa...a*>) is duplicated. filename=<*bbb...b*> line=<*ccc...c*>	ERROR
				New	Specified option (<*aaa...a*>) is duplicated. filename=<*bbb...b*> line=<ccc...c> (code=<*ddd...d*>-<*eee...e*>-<*eee...e*>-<*eee...e*>)	ERROR
iSM13811		○		Old	OS file name is too long. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	OS file name is too long. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13812		○		Old	Illegal control option. (<*aaa...a*>) filename=<*bbb...b*> line=<*ccc...c*>	ERROR
				New	Illegal control option. (<*aaa...a*>) filename=<bbb...b> line=<*ccc...c*> (code=<*ddd...d*>-<*eee...e*>-<*eee...e*>-<*eee...e*>)	ERROR
iSM13813		○		Old	Options "pass" can not be omitted are specified. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Options "pass" can not be omitted are specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13814		○		Old	Illegal combination of options. (input) filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Illegal combination of options. (input) filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR

688

Table B-1   Message modification list (17/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM13815		○		Old	Options "uid" can not be omitted are specified. filename=<aaa...a> line=<bbb...b>	ERROR
				New	Options "uid" can not be omitted are specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13816		○		Old	Options "remod" and set value "standby" can not be omitted are specified. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Options "remod" and set value "standby" can not be omitted are specified. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13817		○		Old	Specified database name is duplicated. filename=<*aaa...a*> line=<*bbb...b*>	ERROR
				New	Specified database name is duplicated. filename=<*aaa...a*> line=<*bbb...b*> (code=<*ccc...c*>-<*ddd...d*>-<*ddd...d*>-<*ddd...d*>)	ERROR
iSM13818		○		Old	Failed to metafolder (<*aaa...a*>) creation.	ERROR
				New	Failed to metafolder (<*aaa...a*>) creation. (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13819		○		Old	Insufficient database. (<*aaa...a*>)	ERROR
				New	Insufficient database. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13820		○		Old	Illegal server name. (<*aaa...a*>)	ERROR
				New	Illegal server name. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13821		○		Old	Illegal server name. (<*aaa...a*>) filename=<*bbb...b*> line=<*ccc...c*>	ERROR
				New	Illegal server name. (<*aaa...a*>) filename=<bbb...b> line=<*ccc...c*> (code=<*ddd...d*>-<*eee...e*>-<*eee...e*>-<*eee...e*>)	ERROR
iSM13822		○		Old	Failed to get SQL server version.	ERROR
				New	Failed to get SQL server version. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13823		○		Old	No authority to access SQL server.	ERROR
				New	No authority to access SQL server. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13824		○		Old	Illegal SQL server version.	ERROR
				New	Illegal SQL server version. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13826		○		Old	Illegal refile name. (<*aaa...a*>) filename=<*bbb...b*> line=<*ccc...c*>	ERROR
				New	Illegal refile name. (<*aaa...a*>) filename=<*bbb...b*> line=<*ccc...c*> (code=<*ddd...d*>-<*eee...e*>-<*eee...e*>-<*eee...e*>)	ERROR

Table B-1 Message modification list (18/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM13827		○		Old	User id is too long.	ERROR
				New	User id is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13828		○		Old	Password is too long.	ERROR
				New	Password is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13829		○		Old	Server name is too long.	ERROR
				New	Server name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13830		○		Old	Refile name is too long.	ERROR
				New	Refile name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13831		○		Old	Database already exist. (<*aaa...a*>)	ERROR
				New	Database already exist. (<*aaa...a*>) (code=<*bbb...b*>-<*ccc...c*>-<*ccc...c*>-<*ccc...c*>)	ERROR
iSM13832		○		Old	Database name is too long.	ERROR
				New	Database name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13833		○		Old	Database operation file name is too long.	ERROR
				New	Database operation file name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13834		○		Old	Metafile name is too long.	ERROR
				New	Metafile name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13835		○		Old	Metafolder name is too long.	ERROR
				New	Metafolder name is too long. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM13836		○		Old	Number of database exceeds the limit that can be specified.	ERROR
				New	Number of database exceeds the limit that can be specified. (code=<*aaa...a*>-<*bbb...b*>-<*bbb...b*>-<*bbb...b*>)	ERROR
iSM14463			○	Old	LD allocate time : Time=<*aa*>, status=<*bbb...b*>	INFO
				New	-	-
iSM14467	○			Old	-	-
				New	SRA expansion : LD(SDV) number=<*aaaa*>h,<*aaaa*>h..., Pool number=<*bbbb*>h, SRA capacity=<*ccc...c*>GB, threshold=<*ddd...d*>GB(<ee>%), status=<*fff...f*>	INFO

690

Table B-1　Message modification list (19/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM14468	○			Old	-	-
				New	SRA bind : LD(SDV) number=<*aaaa*>h,<*aaaa*>h..., Pool number=<*bbbb*>h, SRA capacity=<*ccc...c*>GB, threshold=<*ddd...d*>GB(<*ee%*>), status=<*fff...f*>	INFO
iSM14469	○			Old	-	-
				New	LV bind : LD(LV) number=<*aaaa*>h,<*aaaa*>h...(LD(BV) number=<*bbbb*>h,<*bbbb*>h...), Pool number=<*cccc*>h, status=<*ddd...d*>	INFO
iSM14470	○			Old	-	-
				New	SV bind : LD(SV) number=<*aaaa*>h,<*aaaa*>h...(LD(BV) number=<*bbbb*>h), Pool number=<*cccc*>h, SV count=<*dd*>, status=<*eee...e*>	INFO
iSM14471	○			Old	-	-
				New	SRA unbind : Pool number=<*aaaa*>h, LD(SDV) number=<*bbbb*>h,<*bbbb*>h..., status=<*ccc...c*>	INFO
iSM14472	○			Old	-	-
				New	SV unbind : LD(SV) number=<*aaaa*>h,<*aaaa*>h...(LD(BV) number=<*bbbb*>h), SV count=<*cc*>, status=<*ddd...d*>	INFO
iSM14474	○			Old	-	-
				New	SRA threshold : Pool number=<*aaaa*>h, threshold=<*bbb...b*>GB(<*cc*>%), status=<*ddd...d*>	INFO
iSM14475	○			Old	-	-
				New	Configuration reserved(reference mode). : Disk Array=<*aaa...a*>, status=<*bbb...b*>	INFO
iSM14476	○			Old	-	-
				New	Configuration released(reference mode). : Disk Array=<*aaa...a*>, status=<*bbb...b*>	INFO
iSM16001	○			Old	-	-
				New	iSMalived process has started. function=<*aaa...a*> AUTH=<*bbb...b*>	INFO
iSM16020	○			Old	-	-
				New	Function Error has occurred. name=<*aaa...a*> code=<*bbbb*> errno=<*ccc*>	NOTICE
iSM16021	○			Old	-	-
				New	Internal Error has occurred. code=<*aaaa*> errno=<*bbb*>	NOTICE
iSM16029	○			Old	-	-
				New	File does not exist. file=<*aaa...a*>	WARNING
iSM16030	○			Old	-	-
				New	File cannot be opened. errno=<*aaa*> file=<*bbb...b*>	WARNING
iSM16031	○			Old	-	-
				New	File cannot be read. file=alived.conf line=<*aa*> errno=<*bbb*>	WARNING

691

Table B-1   Message modification list (20/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM16032	〇			Old	-	-
				New	Illegal configuration. file=alived.conf First line is not [ALIVE].	WARNING
iSM16033	〇			Old	-	-
				New	Illegal configuration. file=alived.conf Tag overlaps. line=<*aa*> tag=<*bbb...b*>	WARNING
iSM16034	〇			Old	-	-
				New	Illegal configuration. file=alived.conf First word is not keyword. line=<*aa*>	WARNING
iSM16035	〇			Old	-	-
				New	Illegal configuration. file=alived.conf id=<*a*> line=<*bb*>	WARNING
iSM16037	〇			Old	-	-
				New	Illegal configuration. file=alived.conf Specific tag is not defined. tag=<*aaa...a*>	WARNING
iSM16038	〇			Old	-	-
				New	Illegal configuration. file=alived.conf It has exceeded 256 bytes. line=<*aa*>	WARNING
iSM16039	〇			Old	-	-
				New	Illegal configuration. file=alived.conf "TO" mail address has exceeded 10. line=<*aa*>	WARNING
iSM16041	〇			Old	-	-
				New	File cannot be read. file=alived.tbl line=<*aa*> errno=<*bbb*>	WARNING
iSM16043	〇			Old	-	-
				New	Illegal configuration. file=alived.tbl Tag overlaps. line=<*aa*> tag=<*bbb...b*>	WARNING
iSM16044	〇			Old	-	-
				New	Illegal configuration. file=alived.tbl First word not keyword. line=<*aa*>	WARNING
iSM16045	〇			Old	-	-
				New	Illegal configuration. file=alived.tbl id=<*a*> line=<*bb*>	WARNING
iSM16047	〇			Old	-	-
				New	Illegal configuration. file=alived.tbl Specific tag is not defined. tag=<*aaa...a*>	WARNING
iSM16048	〇			Old	-	-
				New	Illegal configuration. file=alived.tbl It has exceeded 256 bytes. line=<*aa*>	WARNING
iSM16049	〇			Old	-	-
				New	Illegal configuration. file=alived.tbl Message number has exceeded 1000. line=<*aa*>	WARNING

692

Table B-1   Message modification list (21/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM16061	○			Old	-	-
				New	Mail server (*<aaa...a>*) address is illegal.	WARNING
iSM16062	○			Old	-	-
				New	Mail server cannot be connected. name=*<aaa...a>* code=*<bbbb>* errno=*<ccc>*	WARNING
iSM16063	○			Old	-	-
				New	Communication error(receive from mail server). name=*<aaa...a>* code=*<bbbb>* errno=*<ccc>*	WARNING
iSM16064	○			Old	-	-
				New	Communication error(send to mail server). name=*<aaa...a>* code=*<bbbb>* errno=*<ccc>*	WARNING
iSM16065	○			Old	-	-
				New	Communication error(mail server). id=*<a>* send=*<bbb...b>* recv=*<ccc...c>*	WARNING
iSM16066	○			Old	-	-
				New	Mail server was time out.	WARNING
iSM16070	○			Old	-	-
				New	Message buffer is full. Data losing is detected.	WARNING
iSM16071	○			Old	-	-
				New	Data losing is recovered.	WARNING
iSM16080	○			Old	-	-
				New	Definition change is successful. function=*<aaa...a>* AUTH=*<bbb...b>*	INFO
iSM16081	○			Old	-	-
				New	Definition change error. ALIVEmail function does not start.	WARNING
iSM16082	○			Old	-	-
				New	Definition change error. ALIVEmail function continues to operate by old one.	WARNING
iSM16083	○			Old	-	-
				New	Making of file directory error. code=*<aaaa>* path=*<bbb...b>* errno=*<ccc>*	ERROR
iSM16084	○			Old	-	-
				New	Change directory error. name=*<aaa...a>* path=*<bbb...b>* errno=*<ccc>*	ERROR
iSM18001	○			Old	-	-
				New	Snapshot has been created. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>*(*<eeee>*h))	INFO
iSM18002	○			Old	-	-
				New	Deleting snapshot has been started. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>*(*<eeee>*h), generation=*<fff>*)	INFO

693

Table B-1   Message modification list (22/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM18003	○			Old	-	-
				New	Snapshot has been deleted. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>*(*<eeee>*h))	INFO
iSM18004	○			Old	-	-
				New	Restoring snapshot has been started. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>*(*<eeee>*h), generation=*<fff>*)	INFO
iSM18005	○			Old	-	-
				New	Snapshot has been restored. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>*(*<eeee>*h))	INFO
iSM18006	○			Old	-	-
				New	SV guard was changed.(*<aaa...a>*, SV=*<bbb...b>*(*<cccc>*h),mode=*<dd>*)	INFO
iSM18007	○			Old	-	-
				New	Snapshot was cancelled. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>* (*<eeee>*h), generation=*<fff>*)	ERROR
iSM18008	○			Old	-	-
				New	Snapshot was nullified. (*<aaa...a>*, BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>* (*<eeee>*h), generation=*<fff>*)	NOTICE
iSM18201	○			Old	-	-
				New	Failed to create snapshot. (*<aaa...a>* BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>*(*<eeee>*h), code=*<fff...f>*)	WARNING
iSM18202	○			Old	-	-
				New	Failed to delete snapshot. (*<aaa...a>* BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>*(*<eeee>*h), generation=*<fff>*, code=*<ggg...g>*)	WARNING
iSM18203	○			Old	-	-
				New	Failed to restore snapshot. (*<aaa...a>* BV=*<bbb...b>* (*<cccc>*h), SV=*<ddd...d>*(*<eeee>*h), generation=*<fff>*, code=*<ggg...g>*)	WARNING
iSM18204	○			Old	-	-
				New	Failed to change SV guard of snapshot-volume. (*<aaa...a>*, SV=*<bbb...b>*(*<cccc>*h),code=*<ddd...d>*)	WARNING
iSM18205	○			Old	-	-
				New	Monitoring stopped. (*<aaa...a>*)	WARNING
iSM18301	○			Old	-	-
				New	System call error has occurred. (func=*<aaa...a>*, code=*<bbb...b>*, errno=*<cccc>*)	ERROR
iSM18302	○			Old	-	-
				New	Internal error has occurred. (code=*<aaa...a>*)	ERROR
iSM18303	○			Old	-	-
				New	Parameter error has occurred. (code=*<aaa...a>*)	WARNING

694

Table B-1   Message modification list (23/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM18311	○			Old	-	-
				New	Internal communication error has occurred. (code=<*aaa...a*>)	ERROR
iSM18321	○			Old	-	-
				New	Access to diskarray was failed. (<*aaa...a*>, code=<*bbb...b*>, <*ccc...c*>)	WARNING
iSM18501	○			Old	-	-
				New	Access mode was changed. (<*aaa...a*>, LD=<*bbb...b*>, (<*cccc*>h), mode from <*ddd...d*> to <*eee...e*>)	INFO
iSM18502	○			Old	-	-
				New	Logical disk was linked to link-volume.(<*aaa...a*>,LV=(<*bbb...b*>(<*cccc*>h), LD=(<*ddd...d*>(<*eeee*>h))	INFO
iSM18503	○			Old	-	-
				New	Logical disk was unlinked from link-volume.(<*aaa...a*>,LV=<*bbb...b*>(<*cccc*>h), LD=<*ddd...d*>(<*eeee*>h))	INFO
iSM18601	○			Old	-	-
				New	Failed to change access mode. (<*aaa...a*>, LD=<*bbb...b*> (<*cccc*>h), mode=<*ddd...d*>), code=<*eee...e*>)	WARNING
iSM18602	○			Old	-	-
				New	Failed to link logical disk to link-volume.(<aaa...a>,LV=<*bbb...b*>(<*cccc*>h), LD=<*ddd...d*>(<*eeee*>h),code=<*fff...f*>)	WARNING
iSM18603	○			Old	-	-
				New	Failed to unlink logical disk from link-volume.(<*aaa...a*>,LV=<*bbb...b*>(<*cccc*>h), LD=<*ddd...d*>(<*eeee*>h),code=<*fff...f*>)	WARNING
iSM18999	○			Old	-	-
				New	Unexpected error has occurred. (code=<*aaa...a*>)	WARNING
iSM19000	○			Old	-	-
				New	<*aaa...a*>	INFO
iSM19010	○			Old	-	-
				New	iSMsc_create has normally terminated.	INFO
iSM19011	○			Old	-	-
				New	iSMsc_create has normally terminated. [BV:<aaa...a>] [SV:<bbb...b>]	INFO

695

Table B-1   Message modification list (24/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM19012	○			Old	-	-
				New	iSMsc_create has abnormally terminated.	INFO
iSM19013	○			Old	-	-
				New	iSMsc_create has abnormally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]	INFO
iSM19020	○			Old	-	-
				New	iSMsc_delete has normally terminated.	INFO
iSM19021	○			Old	-	-
				New	iSMsc_delete has normally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]	INFO
iSM19022	○			Old	-	-
				New	iSMsc_delete has abnormally terminated.	INFO
iSM19023	○			Old	-	-
				New	iSMsc_delete has abnormally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]	INFO
iSM19030	○			Old	-	-
				New	iSMsc_restore has normally terminated.	INFO
iSM19031	○			Old	-	-
				New	iSMsc_restore has normally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]	INFO
iSM19032	○			Old	-	-
				New	iSMsc_restore has abnormally terminated.	INFO
iSM19033	○			Old	-	-
				New	iSMsc_restore has abnormally terminated. [BV:<*aaa...a*>] [SV:<*bbb...b*>]	INFO
iSM19034	○			Old	-	-
				New	iSMsc_restore has accepted the request.	INFO
iSM19035	○			Old	-	-
				New	iSMsc_restore has accepted the request. [BV:<*aaa...a*>] [SV:<*bbb...b*>]	INFO
iSM19100	○			Old	-	-
				New	The volume under restoration cannot be specified. [BV:<*aaa...a*>]	ERROR

696

Table B-1 Message modification list (25/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM19101	○			Old	-	-
				New	The volume linked from LV cannot be specified. [{BV|SV}:<*aaa...a*>]	ERROR
iSM19102	○			Old	-	-
				New	The volume mounted cannot be specified. [BV:<*aaa...a*>]	ERROR
iSM19103	○			Old	-	
				New	State of specified diskarray is 'freeze'.	ERROR
iSM19104	○			Old	-	-
				New	The volume is not paired cannot be specified. [BV:<*aaa...a*>] [SV:<*bbb...b*>]	ERROR
iSM19105	○			Old	-	-
				New	State of specified pair is invalid. (state=<*aaa...a*>) [BV:<*bbb...b*>] [SV:<*ccc...c*>]	ERROR
iSM19106	○			Old	-	-
				New	The volume of SV guard cannot be specified. [SV:<aaa...a>]	ERROR
iSM19107	○			Old	-	
				New	State of SV's access mode is invalid. (mode=<*aaa...a*>) [SV:<*bbb...b*>]	ERROR
iSM19108	○			Old	-	-
				New	The volume under deletion exists. [BV:<*aaa...a*>]	ERROR
iSM19109	○			Old	-	-
				New	The volume linked from LV exists. [SV:<*aaa...a*>]	ERROR
iSM19110	○			Old	-	-
				New	The volume of SV guard exists. [SV:<*aaa...a*>]	ERROR
iSM19111	○			Old	-	-
				New	Version of API is invalid.	ERROR
iSM19112	○			Old	-	-
				New	Specified volume is wrong.[{BV|SV}:<*aaa...a*>]	ERROR
iSM19113	○			Old	-	-
				New	Volume list does not exist.	ERROR

Table B-1   Message modification list (26/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM19114	○			Old	-	-
				New	License for snapshot is locked.	ERROR
iSM19115	○			Old	-	-
				New	Snapshot function is not supported with this volume.	ERROR
iSM19116	○			Old	-	-
				New	Specified drive number does not exist.	ERROR
iSM19117	○			Old	-	-
				New	Specified drive type is not supported.(type=<*aaa...a*>)	ERROR
iSM19118	○			Old	-	-
				New	Specified volume does not exist in volume list. [{BV|SV}:<*aaa...a*>]	ERROR
iSM19119	○			Old	-	-
				New	Volume list data is locked by another process.	ERROR
iSM19120	○			Old	-	-
				New	The operation to the volume specified is forbidden. (type=<*aaa...a*>)	ERROR
iSM19121	○			Old	-	-
				New	SV is not omissible. (Two or more SV(s) exist)	ERROR
iSM19122	○			Old	-	-
				New	The volume under execution of replicaton function cannot be specified. [BV:<*aaa...a*>]	ERROR
iSM19123	○			Old	-	-
				New	The volume which is not recognized cannot be specified. [BV:<*aaa...a*>]	ERROR
iSM19124	○			Old	-	-
				New	SV of snap/inactive is already exist.	INFO
iSM19125	○			Old	-	-
				New	Snapshot has been nullified.	INFO
iSM19126	○			Old	-	-
				New	Specified SV has been deleted. [SV:<*aaa...a*>]	INFO
iSM19127	○			Old	-	-
				New	Request has already completed.	INFO
iSM19200	○			Old	-	-
				New	Mandatory option was not specified. (<*aaa...a*>)	ERROR

698

Table B-1   Message modification list (27/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM19202	○			Old	-	-
				New	Illegal option value was specified. (<*aaa...a*>)	ERROR
iSM19203	○			Old	-	-
				New	Number of BV and SV was not equal.	ERROR
iSM19208	○			Old	-	-
				New	Illegal configuration was detected. (file=<*aaa...a*>,line=<*bbb...b*>)	ERROR
iSM19209	○			Old	-	-
				New	Illegal option value was detected.(file=<*aaa...a*>,line=<*bbb...b*>)	ERROR
iSM19210	○			Old	-	-
				New	Number of BV and SV was not equal. (file =<*aaa...a*>,line=<*bbb...b*>)	ERROR
iSM19212	○			Old	-	-
				New	Duplicated targets were detected. (file=<*aaa...a*>,line=<*bbb...b*>)	WARNING
iSM19213	○			Old	-	-
				New	Illegal volume flag was specified to be (<*aaa...a*>) option.(manager specification)	ERROR
iSM19301	○			Old	-	-
				New	The unexpected error has occurred in iSM/Server. (code=*aaa...a*/*bb*/*ccc...c*)	ERROR
iSM19302	○			Old	-	-
				New	Specified Diskarray does not exist.	ERROR
iSM19303	○			Old	-	-
				New	State of Diskarray includes specified volume is not monitoring.	ERROR
iSM19304	○			Old	-	-
				New	Timeout error has occurred in iSM/Server.	ERROR
iSM19305	○			Old	-	-
				New	The timeout was detected by waiting of communication with iSM/Server.	ERROR
iSM19306	○			Old	-	-
				New	Failed to connect iSM/Server.(errno=<*aaa...a*>, phase=< *bbb...b*>)	ERROR

699

Table B-1   Message modification list (28/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM19307	○			Old	-	-
				New	Failed to receive from iSM/Server.(errno=*<aaa...a>*, phase=< *bbb...b* >)	ERROR
iSM19308	○			Old	-	-
				New	Failed to send to iSM/Server.(errno=*<aaa...a>*, phase=<*bbb... b*>)	ERROR
iSM19401	○			Old	-	-
				New	System call error has occurred.(func=*<aaa...a>*, errno=*<bbbb>*, phase=*<ccc...c>*)	ERROR
iSM19402	○			Old	-	-
				New	Unexpected error occurred. (phase=*<aaa...a>*)	ERROR
iSM19403	○			Old	-	-
				New	Failed to mount.	ERROR
iSM19404	○			Old	-	-
				New	Failed to umount.	ERROR
iSM19405	○			Old	-	-
				New	Collecting information of display was failed.	ERROR
iSM19408	○			Old	-	-
				New	Data on SV has been removed. [SV:*<aaa...a>*]	INFO
iSM20000	○			Old	-	-
				New	*<aaa...a>*	INFO
iSM20010	○			Old	-	-
				New	iSMsc_chgmod has normally terminated.	INFO
iSM20011	○			Old	-	-
				New	iSMsc_chgmod has normally terminated. [vol:*<aaa...a>*]	INFO
iSM20012	○			Old	-	-
				New	iSMsc_chgmod has abnormally terminated.	INFO
iSM20013	○			Old	-	-
				New	iSMsc_chgmod has abnormally terminated. [vol:*<aaa...a>*]	ERROR

700

Table B-1   Message modification list (29/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM20020	○			Old	-	-
				New	iSMsc_link has normally terminated.	INFO
iSM20021	○			Old	-	-
				New	iSMsc_link has normally terminated. [LV:<*aaa...a*>] [SV:<*bbb...b*>]	INFO
iSM20022	○			Old	-	-
				New	iSMsc_link has abnormally terminated.	INFO
iSM20023	○			Old	-	-
				New	iSMsc_link has abnormally terminated. [LV:<*aaa...a*>] [SV:<*bbb...b*>]	INFO
iSM20030	○			Old	-	-
				New	iSMsc_unlink has normally terminated.	INFO
iSM20031	○			Old	-	-
				New	iSMsc_unlink has normally terminated. [LV:<*aaa...a*>][SV:<*bbb...b*>]	INFO
iSM20032	○			Old	-	-
				New	iSMsc_unlink has abnormally terminated.	INFO
iSM20033	○			Old	-	-
				New	iSMsc_unlink has abnormally terminated. [LV:<*aaa...a*>][SV:<*bbb...b*>]	INFO
iSM20100	○			Old		
				New	Unpaired volumes cannot be specified. [SV:<*aaa...a*>]	ERROR
iSM20101	○			Old	-	-
				New	The volume from which capacity is different cannot be specified. [LV:<*aaa...a*>] [{BV|SV}:<*bbb...b*>]	ERROR
iSM20102	○			Old	-	-
				New	The Volume from which volume type is different type cannot be specified. [LV:<*aaa...a*>] [{BV|SV}:<*bbb...b*>]	ERROR
iSM20103	○			Old	-	-
				New	Specified volume has another link. [{LV|BV|SV}:<*aaa...a*>]	ERROR
iSM20104	○			Old	-	-
				New	State of SV's access mode is invalid. (mode=<*aaa...a*>) [SV:<*bbb...b*>]	ERROR

701

Table B-1   Message modification list (30/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM20106	○			Old	-	-
				New	Targets volumes are not linked. [LV:<*aaa...a*>] [{BV|SV}:<*bbb...b*>]	ERROR
iSM20107	○			Old	-	-
				New	The volume mounted cannot be specified. [LV:<*aaa...a*>]	ERROR
iSM20108	○			Old	-	-
				New	SV which is not snap/active cannot be specified. [SV:<*aaa...a*>]	ERROR
iSM20109	○			Old	-	-
				New	The volume which is not link target volume cannot be specified. [{BV|SV}:<*aaa...a*>]	ERROR
iSM20112	○			Old	-	-
				New	Specified volume is wrong. [{LV|BV|SV|VOL}:<*aaa...a*>]	ERROR
iSM20116	○			Old	-	-
				New	Version of API is invalid.	ERROR
iSM20117	○			Old	-	-
				New	License for snapshot is locked.	ERROR
iSM20118	○			Old	-	-
				New	Snapshot function is not supported with this volume.	ERROR
iSM20119	○			Old	-	-
				New	Specified volume does not exist in volume list. [{BV|SV|LV|VOL}:<*aaa...a*>]	ERROR
iSM20120	○			Old	-	-
				New	Link information does not exist. [VOL:<*aaa...a*>]	ERROR
iSM20121	○			Old	-	-
				New	The volume which is not recognized cannot be specified. [BV:<*aaa...a*>]	ERROR

702

Table B-1 Message modification list (31/32)

Message ID	Modification			iSM version	Description	
	Added	Changed	Deleted		Message body	Classification
iSM20122	○			Old	-	-
				New	The volume which is not linked cannot be specified. [VOL:<*aaa...a*>]	ERROR
iSM20123	○			Old	-	-
				New	State of specified diskarray is 'freeze'.	ERROR
iSM20200	○			Old	-	-
				New	Mandatory option was not specified.(<*aaa...a*>)	ERROR
iSM20201	○			Old	-	-
				New	Illegal option was specified.(<*aaa...a*>)	ERROR
iSM20202	○			Old	-	-
				New	Illegal option value was specified.(<*aaa...a*>)	ERROR
iSM20203	○			Old	-	-
				New	Specified volume group does not exist.(vg=<*aaa...a*>)	ERROR
iSM20204	○			Old	-	-
				New	Specified disk group does not exist.(dg=<*aaa...a*>)	ERROR
iSM20205	○			Old	-	-
				New	Duplicated targets were detected. (file=<*aaa...a*>, line=<*bbb...b*>)	WARNING
iSM20206	○			Old	-	-
				New	Specified file does not exist. (file=<*aaa...a*>)	ERROR
iSM20207	○			Old	-	-
				New	Specified file is invalid.(illegal file type) (file=<*aaa...a*>)	ERROR
iSM20208	○			Old	-	-
				New	Illegal configuration was detected. (file=<*aaa...a*>, line=<*bbb...b*>)	ERROR
iSM20209	○			Old	-	-
				New	Illegal option value was detected. (file=<*aaa...a*>, line=<*bbb...b*>)	ERROR
iSM20210	○			Old	-	-
				New	Empty file cannot be specified. (file=<*aaa...a*>)	ERROR
iSM20211	○			Old	-	-
				New	Illegal volume flag was specified to be (<*aaa...a*>) option.(manager specification)	ERROR
iSM20301	○			Old	-	-
				New	The unexpected error has occurred in iSM/Server. (code=*aaa...a*/*bb*/*ccc...c*)	ERROR

703

Table B-1   Message modification list (32/32)

| Message ID | Modification | | | iSM version | Description | |
	Added	Changed	Deleted		Message body	Classification
iSM20302	○			Old	-	-
				New	Specified Diskarray does not exist.	ERROR
iSM20303	○			Old	-	-
				New	State of Diskarray includes specified volume is not monitoring.	ERROR
iSM20304	○			Old	-	-
				New	Timeout error has occurred in iSM/Server.	ERROR
iSM20305	○			Old	-	-
				New	The timeout was detected by waiting of communication with iSM/Server.	ERROR
iSM20306	○			Old	-	-
				New	Failed to connect iSM/Server.(errno=<*aaa...a*>, phase=<*bbb... b*>)	ERROR
iSM20307	○			Old	-	-
				New	Failed to receive from iSM/Server.(errno=<*aaa...a*>, phase=<*bbb... b*>)	ERROR
iSM20308	○			Old	-	-
				New	Failed to send to iSM/Server.(errno=<*aaa...a*>, phase=<*bbb... b*>)	ERROR
iSM20401	○			Old	-	-
				New	System call error has occurred.(func=<*aaa...a*>, errno=<*bbbb*>, phase=<*ccc...c*>)	ERROR
iSM20402	○			Old	-	-
				New	Unexpected error occurred. (phase=<*aaa...a*>)	ERROR
iSM20403	○			Old	-	-
				New	SCSI I/O error is detected. (device=*aaaa*, cdb =*bbbb*,status=*cccc*/*dddd*/*ee*/*ff*/*gg*)	ERROR
iSM20404	○			Old	-	-
				New	Control path is blockaded. (device=*aaaa*, cdb =*bbbb*,status=*cccc*/*dddd*/*ee*/*ff*/*gg*)	WARNING
iSM20405	○			Old	-	-
				New	Illegal device is specified. (<*aaa...a*>)	ERROR
iSM20406	○			Old	-	-
				New	Failed to umount.	ERROR

704

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com