

# FUJITSU Storage

## ETERNUS AF series, ETERNUS DX200F All-Flash Arrays, ETERNUS DX S5/S4/S3 series Hybrid Storage Systems

### Message List



Description of event notification messages and audit logs

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# Preface

Fujitsu would like to thank you for purchasing the FUJITSU Storage ETERNUS Storage Systems (hereinafter referred to as "ETERNUS AF/DX").

The ETERNUS AF/DX is designed to be connected to Fujitsu servers (Fujitsu SPARC Servers, PRIMEQUEST, or PRIMERGY) or non-Fujitsu servers.

This manual is intended for use of an ETERNUS AF/DX in regions other than Japan.

This manual describes event notification messages and audit logs that are sent when an ETERNUS AF/DX is used.

This manual is designed for use with the following ETERNUS AF/DX models:

- ETERNUS AF150 S3 All Flash-Arrays
- ETERNUS AF250 S3/AF250 S2/AF250 All Flash-Arrays
- ETERNUS AF650 S3/AF650 S2/AF650 All Flash-Arrays
- ETERNUS DX60 S5/DX60 S4/DX60 S3 Hybrid Storage Systems
- ETERNUS DX100 S5/DX100 S4/DX100 S3 Hybrid Storage Systems
- ETERNUS DX200 S5/DX200 S4/DX200 S3 Hybrid Storage Systems
- ETERNUS DX500 S5/DX500 S4/DX500 S3 Hybrid Storage Systems
- ETERNUS DX600 S5/DX600 S4/DX600 S3 Hybrid Storage Systems
- ETERNUS DX900 S5 Hybrid Storage Systems
- ETERNUS DX8100 S4/DX8100 S3 Hybrid Storage Systems
- ETERNUS DX8700 S3 Hybrid Storage Systems
- ETERNUS DX8900 S4/DX8900 S3 Hybrid Storage Systems
- ETERNUS DX200F All Flash-Arrays

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## Trademarks

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Third-party trademark information related to this product is available at:

<https://www.fujitsu.com/global/products/computing/storage/eternus/trademarks.html>

## About This Manual

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### Intended Audience

This manual is intended for storage system administrators who manage and maintain the ETERNUS AF/DX or for system operation administrators.

### Related Information and Documents

The latest version of this manual and the latest information for your model are available at:

<https://www.fujitsu.com/global/support/products/computing/storage/manuals-list.html>

## Document Conventions

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### Third-Party Product Names

- Oracle Solaris may be referred to as "Solaris", "Solaris Operating System", or "Solaris OS".
- Microsoft® Windows Server® may be referred to as "Windows Server".

### Notice Symbols

The following notice symbols are used in this manual:



Indicates information that you need to observe when using the ETERNUS storage system. Make sure to read the information.



Indicates information and suggestions that supplement the descriptions in this manual.

## Warning Notations

Warning signs are shown throughout this manual in order to prevent injury to the user and/or material damage. These signs are composed of a symbol and a message describing the recommended level of caution. The following section explains the symbols, their levels of caution, and their meanings as used in this manual.



This symbol indicates the possibility of serious or fatal injury if the ETERNUS AF/DX is not used properly.



This symbol indicates the possibility of minor or moderate personal injury, as well as damage to the ETERNUS AF/DX and/or to other users and their property, if the ETERNUS AF/DX is not used properly.

### IMPORTANT

This symbol indicates IMPORTANT information for the user to note when using the ETERNUS AF/DX.

The following symbols are used to indicate the type of warnings or cautions being described.

Electric Shock



△ The triangle emphasizes the urgency of the WARNING and CAUTION contents. Inside the triangle and above it are details concerning the symbol (e.g. Electrical Shock).

No Disassembly



⊘ The barred "Do Not..." circle warns against certain actions. The action which must be avoided is both illustrated inside the barred circle and written above it (e.g. No Disassembly).

Unplug

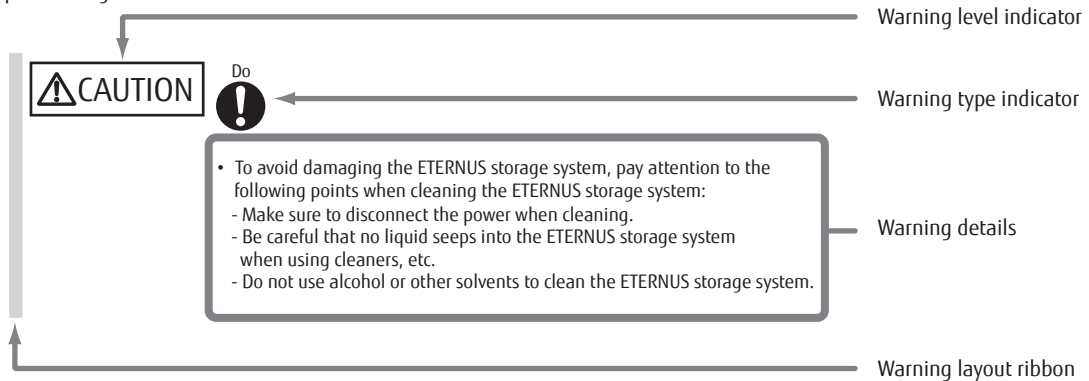


● The black "Must Do..." circle indicates actions that must be taken. The required action is both illustrated inside the black disk and written above it (e.g. Unplug).

## How Warnings are Presented in This Manual

A message is written beside the symbol indicating the caution level. This message is marked with a vertical ribbon in the left margin, to distinguish this warning from ordinary descriptions. An example is shown here.

Example warning





# 1. Event Notification Message List

This chapter describes the messages that are notified when event notification is enabled in the event notification settings of ETERNUS Web GUI or ETERNUS CLI.

## Message Format

This section describes the format and content of the event notification messages listed below.

- E-mail
- Syslog
- SNMP
- Host Sense

### E-mail

An example of event notification by e-mail and its contents are shown below:

#### ■ Output Example of Event Notification

The number under each underline indicates an item in the table below. A description is provided for each item.

- Subject

This is ETxxxxx notification message. Serial No: 0000000000 (Information)  
1 2 3

- Message

user comment.  
4

EVENT:  
3 volume(s) created  
5

EVENT CODE: I 01030010  
6

SEVERITY: Information  
7

REPORT NO: 0-0005  
8

DATE: NOV 26 11:16:00 2013  
9

DETAIL:

No=23 Name=vol2 Type=Open Capacity=256MB RAID\_Group\_No=0 RAID\_Group\_Name=RG00  
No=24 Name=vol3 Type=Open Capacity=256MB RAID\_Group\_No=1 RAID\_Group\_Name=RG01  
No=25 Name=vol4 Type=Open Capacity=256MB RAID\_Group\_No=2 RAID\_Group\_Name=RG02

10



## ■ Descriptions of the Event Notification Contents

Number		Description
Subject	1	The model name of the ETERNUS AF/DX is displayed.
	2	The serial number of the ETERNUS AF/DX is displayed.
	3	The severity of the event is displayed. One of the following items is displayed for the message: Error: indicates an error Warning: indicates a warning Information: indicates that information is provided Test: indicates a test mail
Message	4	A comment that is set using the e-mail notification setting of ETERNUS Web GUI or ETERNUS CLI is displayed.
	5	A message that indicates the event is displayed. For more details, refer to <a href="#">"Message List" (page 21)</a> .
	6	The message event type and the event code that are separated by a blank are displayed. One of the following letters is output as an event type: "P", "M", "E", "J", "W", "I", "R" Event code is an 8-digit hexadecimal number according to the message. For more details, refer to <a href="#">"Message List" (page 21)</a> .
	7	The severity of the event is displayed. One of the following items is displayed for the message: Error: indicates an error Warning: indicates a warning Information: indicates that information is provided Test: indicates a test mail
	8	The event serial number, which increases from the startup of the ETERNUS AF/DX, is displayed in the "x-yyyy" format. x: Controller number (0 - 23) yyyy: Event serial number (0001 - 9999) The event serial number is reset when the ETERNUS AF/DX is turned on or restarted.
	9	The time when the event occurred is displayed in the "MMM dd hh:mm:ss yyyy" format. MMM: Abbreviation of each month (JAN - DEC) dd: Date. If the date is a single digit, "0" is output before the date number. hh:mm:ss: "hh" indicates the hour (00 - 23), "mm" indicates minutes (00 - 59), and "ss" indicates seconds (00 - 59). yyyy: The year is display with four digits.
	10	The detailed information of the event is displayed. For multiple process results, each process result is displayed on a separate line.

## Syslog

The following formats are available for notification of syslog: "RFC3164" and "RFC5424". The notification format is specified in ETERNUS Web GUI or ETERNUS CLI.

This section describes examples of syslog and the details of formats that are output.

### ■ Output Example of Syslog

The number under each underline indicates an item in the table below. A description is provided for each item.

- "RFC3164" format

```
<14>NOV 26 11:26:08 10.21.138.81 Storage: 00, 4, I 01030020 5 volume(s) deleted
 1         2         3         4         5 6         7         8
[No=38 Name=VOL40#0] [No=39 Name=VOL40#1] [No=40 Name=VOL40#2]
                        8
[No=41 Name=VOL40#3] [No=42 Name=VOL40#4]
                        8
```

- "RFC5424" format

```
<14>1 2013-11-26T11:26:08+09:00 10.21.138.81 Storage 00 4 - I 01030020
 1         2         3         4         5 6         7
5 volume(s) deleted [No=38 Name=VOL40#0] [No=39 Name=VOL40#1]
                        8
[No=40 Name=VOL40#2] [No=41 Name=VOL40#3] [No=42 Name=VOL40#4]
                        8
```

### ■ Description of Each Syslog Item

No.	Item	Description
1	Priority	<p>Priority of the syslog message is output in the following format: &lt;Priority&gt;</p> <p>Priority value indicates the facility and severity of the syslog message. The Priority value is calculated by "Facility value × 8 + Severity value".</p> <ul style="list-style-type: none"> <li>• Facility value for syslog messages is always "1".</li> <li>• Severity values for syslog messages are one of the following values: 3: Error 4: Warning 6: Informational</li> </ul> <p>For the "RFC3164" format, the HEADER part follows this item. For the "RFC5424" format, "1" and then a blank follow this item.</p>

1. Event Notification Message List  
Message Format

No.	Item	Description
2	Time stamp	<p>The local time when the event has been detected is output in the following format:</p> <ul style="list-style-type: none"> <li>• For RFC3164 <i>MMM dd hh:mm:ss</i> <ul style="list-style-type: none"> <li>- MMM Abbreviation of each month (JAN - DEC)</li> <li>- dd Date. If the date is a single digit, a blank is output before the date number.</li> <li>- hh:mm:ss Local time. "hh" indicates the hour (00 - 23), "mm" indicates minutes (00 - 59), and "ss" indicates seconds (00 - 59). A blank follows this item.</li> </ul> </li> <li>• For RFC5424 <i>yyyy-mm-ddT hh:mm:ss±hh:mm</i> <ul style="list-style-type: none"> <li>- yyyy The year is displayed with four digits.</li> <li>- mm The month is displayed with two digits (01 - 12).</li> <li>- dd The date is displayed with two digits (01 - 31). "T" follows this item.</li> <li>- hh:mm:ss Local time. "hh" indicates the hour (00 - 23), "mm" indicates minutes (00 - 59), and "ss" indicates seconds (00 - 59). A blank follows this item.</li> <li>- ±hh:mm Time differences between the local time and the GMT. The value for the time zone specified in the date and time setting of ETERNUS Web GUI or ETERNUS CLI is displayed. "hh" indicates the hour (00 - 23) and "mm" indicates minutes (00 - 59). A blank follows this item.</li> </ul> </li> </ul>
3	Host name	<p>The IP address of the sender port (MNT or RMT) for the ETERNUS AF/DX is output in IPv4 or IPv6 format:</p> <ul style="list-style-type: none"> <li>• IPv4 <i>xxx.xxx.xxx.xxx</i> The IPv4 address is output based on the "IETF STD13, RFC1035" specification.</li> <li>• IPv6 <i>xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx</i> The IPv6 address is output based on the "RFC 4291" specification. A blank follows this item.</li> </ul>
4	Program or process	<p>The name of the program or process that generates the message is output. "Storage" is output for all the messages. For the "RFC3164" format, a colon [:] and then a blank, which indicate the end of the TAG field, follow this item. For the "RFC5424" format, a blank follows this item.</p>

1. Event Notification Message List  
Message Format

No.	Item	Description
5	CM No. and message type	<p>The CM number of the controller that outputs the message and the message type are output.</p> <p>Depending on the controller that outputs the message, "0" to "23" is output for the CM No.</p> <ul style="list-style-type: none"> <li>For the ETERNUS AF150 S3/AF250 S3/AF650 S3, the ETERNUS AF250 S2/AF650 S2, the ETERNUS AF250/AF650, and the ETERNUS DX200F "0" to "1" (CM#0 to CM#1)</li> <li>For the ETERNUS DX60 S5/DX100 S5/DX200 S5, the ETERNUS DX60 S4/DX100 S4/DX200 S4, and the ETERNUS DX60 S3/DX100 S3/DX200 S3 "0" to "1" (CM#0 to CM#1)</li> <li>For the ETERNUS DX500 S5/DX600 S5, the ETERNUS DX500 S4/DX600 S4, and the ETERNUS DX500 S3/DX600 S3 "0" to "1" (CM#0 to CM#1)</li> <li>For the ETERNUS DX8100 S4 and the ETERNUS DX8100 S3 "0" to "1" (CM#0 to CM#1)</li> <li>For the ETERNUS DX900 S5 "0" to "3" (CE#0 CM#0 to CE#1 CM#1)</li> <li>For the ETERNUS DX8700 S3 "0" to "7" (CE#0 CM#0 to CE#3 CM#1)</li> <li>For the ETERNUS DX8900 S4 and the ETERNUS DX8900 S3 "0" to "23" (CE#0 CM#0 to CE#B CM#1)</li> </ul> <p>"0" is output for the message type.</p> <p>For the "RFC3164" format, a comma and then a blank follow this item.</p> <p>For the "RFC5424" format, a blank follows this item.</p>
6	Message serial number	<p>The message serial number is displayed for each controller.</p> <p>For the "RFC3164" format, a comma and then a blank follow this item.</p> <p>For the "RFC5424" format, a blank, a hyphen, and a blank follow this item in this order.</p>
7	Event type and event code	<p>The message event type and the event code that are separated by a blank are output.</p> <p>One of the following letters is output as an event type: "P", "M", "E", "J", "W", "I", "R"</p> <p>Event code is an 8-digit hexadecimal number according to the message.</p> <p>Refer to <a href="#">"Message List" (page 21)</a> for details.</p>
8	Message	<p>A message that indicates the event and its detailed information are output in text format.</p> <p>For multiple process results, each process result is enclosed by brackets.</p> <p>Refer to <a href="#">"Message List" (page 21)</a> for details.</p>

## SNMP

The ETERNUS AF/DX supports three versions of SNMP: SNMPv1, SNMPv2c, and SNMPv3.

SNMPv3 supports MD5 (HMAC-MD5-96) and SHA (HMAC-SHA-96) as the authentication method and DES (CBC-DES) and AES (CFB128-AES-128) as the encryption method. Refer to RFC 3414 and RFC 3826 for details.

To monitor the ETERNUS AF/DX using SNMP Trap, software that can receive and analyze SNMP Traps must be used on the network.

This section describes the type and the notification format of Traps. For details on the messages that are notified by SNMP Trap, refer to ["Message List" \(page 21\)](#).

For the display contents of events (SNMP Traps) when using the server management software "ServerView Operations Manager" for monitoring the ETERNUS AF/DX, refer to ["A. Event \(SNMP Trap\) Display When Using ServerView Operations Manager" \(page 231\)](#).

### ■ Trap Type

There are two types of Traps: Generic Trap (standard Trap) and Specific Trap (extended Trap). Generic Trap is a Trap that is defined by the SNMP protocol. Specific Trap is a Trap that has been created specifically for the ETERNUS AF/DX. The ETERNUS AF/DX supports the following types of Traps:

#### ● Generic Trap (Standard Trap)

Trap No.	Name	Description
0	coldStart	This Trap is sent when the controller starts up or restarts, when the controller firmware is updated, when a maintenance that is related to the controller is performed, and when SNMP is set.
4	authenticationFailure	This Trap is sent to notify that an unauthorized access has been detected.
6	enterpriseSpecific	Extended Trap

#### ● Specific Trap (Extended Trap)

Trap No.	Name (*1)	Description
2	fjdaryxxxItemFault	This Trap is sent to notify that a component fails or degrades.
3	fjdaryxxxBatteryExpiration	This Trap is sent to notify that the battery has expired.
5	fjdaryxxxItemWarning	This Trap is sent to notify that a component requires preventive maintenance.
6	fjdaryxxxSensorStatusChange	This Trap is sent to notify that a temperature error has been detected.
7	fjdaryxxxMaintenanceRequired	This Trap is sent to notify that an event requires maintenance or preventive maintenance.
9	fjdaryxxxInformation	This Trap is sent to notify informational-level events.
10	fjdaryxxxCaPortLinkStatusChange	This Trap is sent to notify that the link status of a CA port has been changed.
11	fjdaryxxxStorageClusterEvent	This Trap is sent to notify that an error related to the Storage Cluster function has been detected.
12	fjdaryxxxStorageClusterInformation	This Trap is sent to notify informational-level events related to the Storage Cluster function.
13	fjdaryxxxDedupInformation	This Trap is sent to notify informational-level events related to the Deduplication/Compression function.

1. Event Notification Message List  
Message Format

Trap No.	Name (*1)	Description
14	fjdaryexxxFlexibleTierError	This Trap is sent to notify an error event related to the Flexible Tier function.
15	fjdaryexxxFlexibleTierInformation	This Trap is sent to notify informational-level events related to the Flexible Tier function.
22	fjdaryexxxItemFaultToNormal	This Trap is sent to notify that an event notified by Trap No. 2 returns to normal status.
25	fjdaryexxxItemWarningToNormal	This Trap is sent to notify that an event notified by Trap No. 5 returns to normal status.
26	fjdaryexxxSensorStatusChangeToNormal	This Trap is sent to notify that an event notified by Trap No. 6 returns to normal status.
50	fjdaryexxxError	This Trap is sent to notify that an error event has been detected.
51	fjdaryexxxWarning	This Trap is sent to notify that a warning event has been detected.
60	fjdaryexxxQuotaLimitExceeded	This Trap is sent to notify that a warning event related to the Quota function has been detected (limit exceeded).
61	fjdaryexxxQuotaWarningExceeded	This Trap is sent to notify that a warning event related to the Quota function has been detected (warning threshold exceeded).
62	fjdaryexxxQuotaNormal	This Trap is sent to notify informational-level events related to the Quota function (recovered from exceeding the warning threshold).
63	fjdaryexxxSnapshotInformation	This Trap is sent to notify informational-level events related to the Snapshot function.

\*1: Depending on the model of the ETERNUS AF/DX, the value of "xxx" differs as shown below.

Value (xxx)	ETERNUS AF/DX
150	ETERNUS AF250 S2/AF650 S2, ETERNUS AF250/AF650, ETERNUS DX200F, ETERNUS DX60 S4/DX100 S4/DX200 S4, ETERNUS DX500 S4/DX600 S4, ETERNUS DX60 S3/DX100 S3/DX200 S3, ETERNUS DX500 S3/DX600 S3, ETERNUS DX8100 S3
152	ETERNUS DX8700 S3/DX8900 S3
153	ETERNUS AF150 S3/AF250 S3/AF650 S3, ETERNUS DX60 S5/DX100 S5/DX200 S5, ETERNUS DX500 S5/DX600 S5/DX900 S5, ETERNUS DX8100 S4/DX8900 S4

## ■ Trap Notification Format

The notification format of SNMPv1, SNMPv2c, and SNMPv3 are shown below.

### ● Generic Trap (Standard Trap)

- SNMPv1

Trap type	enterprise	agent-address	generic - trap	specific-trap	time-stamp	variable-bindings
coldStart	1.3.6.1.6.3.1.1.5	The IP address of the Master CM for the port (MNT or RMT) that is specified in the SNMP Agent setting.	0	0	The operation time of the SNMP Agent (centiseconds) The operation time is reset when the SNMP Agent starts or restarts.	N/A
authenticationFailure			4			N/A

- SNMPv2c and SNMPv3

Trap type	variable-bindings		
	Information [1]:sysUpTime	Information [2]:snmpTrapOID	Information [3] or later
coldStart	The operation time of the SNMP Agent (centiseconds)	1.3.6.1.6.3.1.1.5.1	N/A
authenticationFailure	The operation time is reset when the SNMP Agent starts or restarts.	1.3.6.1.6.3.1.1.5.5	N/A

### ● Specific Trap (Extended Trap)

- SNMPv1

Trap type			enterprise (*1)	agent-address	generic-trap	specific-trap	time-stamp	variable-bindings
Trap No.	Name (*1)	Description						
2	fjdarye.xxx ItemFault	Notification of component failure or component degradation	1.3.6.1.4.1.211.4.1.1126.1.xxx	The IP address of the Master CM for the port (MNT or RMT) that is specified in the SNMP Agent setting.	6	2	The operation time of the SNMP Agent (centiseconds) The operation time is reset when the SNMP Agent starts or restarts.	Information [1]:fjdaryTrapItemId Information [2]:fjdarySspMachinelId Information [3]:fjdaryTrapMessage
3	fjdarye.xxx Battery Expiration	Notification of battery expiration				3		Information [1]:fjdaryTrapItemId Information [2]:fjdarySspMachinelId Information [3]:fjdaryTrapMessage
5	fjdarye.xxx ItemWarning	Notification of events that require preventive maintenance				5		Information [1]:fjdaryTrapItemId Information [2]:fjdarySspMachinelId Information [3]:fjdaryTrapMessage Information [4]: fjdaryTrapWarningInfo
6	fjdarye.xxx SensorStatus Change	Notification of temperature error				6		Information [1]:fjdaryTrapItemId Information [2]:fjdarySspMachinelId Information [3]:fjdaryTrapSensorInfo Information [4]:fjdaryTrapMessage



1. Event Notification Message List  
Message Format

Trap type			enterprise (*1)	agent-address	generic-trap	specific-trap	time-stamp	variable-bindings
Trap No.	Name (*1)	Description						
7	fjdary.xxx Maintenance Required	Notification of events that require maintenance or preventive maintenance	1.3.6.1.4.1.21114.1.1.1261.xxx	The IP address of the Master CM for the port (MNT or RMT) that is specified in the SNMP Agent setting.	6	7	The operation time of the SNMP Agent (centiseconds) The operation time is reset when the SNMP Agent starts or restarts.	Information [1]:fjdarySspMachineld Information [2]: fjdaryTrapMaintenanceInfo Information [3]:fjdaryTrapMessage
9	fjdary.xxx Information	Information notification				9		Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage
10	fjdary.xxx CaPortLink Status Change	Notification of a change in the CA port link status				10		Information [1]:fjdaryTrapItemld Information [2]:fjdarySspMachineld Information [3]: fjdaryTrapLinkStatusInfo Information [4]:fjdaryTrapMessage
11	fjdary.xxx StorageCluster Event	Notification of an error related to the Storage Cluster function				11		Information [1]:fjdarySspMachineld Information [2]: fjdaryTrapMaintenanceInfo Information [3]:fjdaryTrapMessage
12	fjdary.xxx StorageCluster Information	Notification of information related to the Storage Cluster function				12		Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage
13	fjdary.xxx Dedup Infor- mation	Notification of information related to the Deduplication/Compression function				13		Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage
14	fjdary.xxx FlexibleTier Error	Notification of an error related to the Flexible Tier function				14		Information [1]:fjdarySspMachineld Information [2]: fjdaryTrapMaintenanceInfo Information [3]:fjdaryTrapMessage
15	fjdary.xxx FlexibleTier Information	Notification of information related to the Flexible Tier function				15		Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage
22	fjdary.xxx ItemFaultTo Normal	Notification of alarm cancel for TRAP No. 2				22		Information [1]:fjdaryTrapItemld Information [2]:fjdarySspMachineld Information [3]:fjdaryTrapMessage
25	fjdary.xxx ItemWarning ToNormal	Notification of alarm cancel for TRAP No. 5				25		Information [1]:fjdaryTrapItemld Information [2]:fjdarySspMachineld Information [3]:fjdaryTrapMessage Information [4]: fjdaryTrapWarningInfo
26	fjdary.xxx SensorStatus ChangeTo Normal	Notification of alarm cancel for TRAP No. 6				26		Information [1]:fjdaryTrapItemld Information [2]:fjdarySspMachineld Information [3]:fjdaryTrapSensorInfo Information [4]:fjdaryTrapMessage
50	fjdary.xxx Error	Notification of an error				50		Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage
51	fjdary.xxx Warning	Notification of a warning				51		Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage

1. Event Notification Message List  
Message Format

Trap type			enterprise (*1)	agent-address	generic-trap	specific-trap	time-stamp	variable-bindings	
Trap No.	Name (*1)	Description							
60	fjdarye.xxx QuotaLimit Exceeded	Notification of a warning related to the Quota function (limit exceeded)	1.3.6.1.4.1.211.4.1.1.26.1.xxx	The IP address of the Master CM for the port (MNT or RMT) that is specified in the SNMP Agent setting.	6	60	The operation time of the SNMP Agent (centiseconds) The operation time is reset when the SNMP Agent starts or restarts.	Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage	
61	fjdarye.xxx QuotaWarning Exceeded	Notification of a warning related to the Quota function (warning threshold exceeded)						61	Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage
62	fjdarye.xxx QuotaNormal	Notification of information related to the Quota function (recovered from exceeding the warning threshold)						62	Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage
63	fjdarye.xxx Snapshot Information	Notification of information related to the Snapshot function						63	Information [1]:fjdarySspMachineld Information [2]:fjdaryTrapMessage

\*1: Depending on the model of the ETERNUS AF/DX, the value of "xxx" differs as shown below.

Value (xxx)	ETERNUS AF/DX
150	ETERNUS AF250 S2/AF650 S2, ETERNUS AF250/AF650, ETERNUS DX200F, ETERNUS DX60 S4/DX100 S4/DX200 S4, ETERNUS DX500 S4/DX600 S4, ETERNUS DX60 S3/DX100 S3/DX200 S3, ETERNUS DX500 S3/DX600 S3, ETERNUS DX8100 S3
152	ETERNUS DX8700 S3/DX8900 S3
153	ETERNUS AF150 S3/AF250 S3/AF650 S3, ETERNUS DX60 S5/DX100 S5/DX200 S5, ETERNUS DX500 S5/DX600 S5/DX900 S5, ETERNUS DX8100 S4/DX8900 S4

• SNMPv2c and SNMPv3

Trap type			variable-bindings		
Trap No.	Name (*1)	Description	Information [1]: sysUpTime	Information [2]: snmpTrapOID (*1)	Information [3] or later
2	fjdarye.xxx ItemFault	Notification of component failure or component degradation	The operation time of the SNMP Agent (centiseconds) The operation time is reset when the SNMP Agent starts or restarts.	1.3.6.1.4.1.211.4.1.1.26.1.xxx.0.2	Information [3]:fjdaryTrapItemld Information [4]:fjdarySspMachineld Information [5]:fjdaryTrapMessage
3	fjdarye.xxx Battery Expiration	Notification of battery expiration		1.3.6.1.4.1.211.4.1.1.26.1.xxx.0.3	Information [3]:fjdaryTrapItemld Information [4]:fjdarySspMachineld Information [5]:fjdaryTrapMessage

1. Event Notification Message List  
Message Format

Trap type			variable-bindings		
Trap No.	Name (*1)	Description	Information [1]: sysUpTime	Information [2]: snmpTrapOID (*1)	Information [3]: or later
5	fjdaryxxx ItemWarning	Notification of events that require preventive maintenance	The operation time of the SNMP Agent (centiseconds) The operation time is reset when the SNMP Agent starts or restarts.	1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.5	Information [3]:fjdaryTrapItemId Information [4]:fjdarySspMachineld Information [5]:fjdaryTrapMessage Information [6]:fjdaryTrapWarningInfo
6	fjdaryxxx SensorStatus Change	Notification of temperature error		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.6	Information [3]:fjdaryTrapItemId Information [4]:fjdarySspMachineld Information [5]:fjdaryTrapSensorInfo Information [6]:fjdaryTrapMessage
7	fjdaryxxx Maintenance Required	Notification of events that require maintenance or preventive maintenance		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.7	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMaintenanceInfo Information [5]:fjdaryTrapMessage
9	fjdaryxxx Information	Information notification		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.9	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
10	fjdaryxxx CaPortLink Status Change	Notification of a change in the CA port link status		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.10	Information [3]:fjdaryTrapItemId Information [4]:fjdarySspMachineld Information [5]:fjdaryTrapLinkStatusInfo Information [6]:fjdaryTrapMessage
11	fjdaryxxx Storage ClusterEvent	Notification of an error related to the Storage Cluster function		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.11	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMaintenanceInfo Information [5]:fjdaryTrapMessage
12	fjdaryxxx Storage Cluster Information	Notification of information related to the Storage Cluster function		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.12	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
13	fjdaryxxx Dedup Information	Notification of information related to the Deduplication/Compression function		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.13	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
14	fjdaryxxx FlexibleTier Error	Notification of an error related to the Flexible Tier function		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.14	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMaintenanceInfo Information [5]:fjdaryTrapMessage
15	fjdaryxxx FlexibleTier Information	Notification of information related to the Flexible Tier function		1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.15	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
22	fjdaryxxx ItemFaultTo Normal	Notification of alarm cancel for TRAP No. 2	1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.22	Information [3]:fjdaryTrapItemId Information [4]:fjdarySspMachineld Information [5]:fjdaryTrapMessage	
25	fjdaryxxx ItemWarning ToNormal	Notification of alarm cancel for TRAP No. 5	1.3.6.1.4.1.211.4.1.1.126.1.xxx.0.25	Information [3]:fjdaryTrapItemId Information [4]:fjdarySspMachineld Information [5]:fjdaryTrapMessage Information [6]:fjdaryTrapWarningInfo	

1. Event Notification Message List  
Message Format

Trap type			variable-bindings		
Trap No.	Name (*1)	Description	Information [1]: sysUpTime	Information [2]: snmpTrapOID (*1)	Information [3] or later
26	fjdaryxxx SensorStatus ChangeTo Normal	Notification of alarm cancel for TRAP No. 6	The operation time of the SNMP Agent (centiseconds) The operation time is reset when the SNMP Agent starts or restarts.	1.3.6.1.4.1.211.4.1. 1.126.1.xxx.0.26	Information [3]:fjdaryTrapItemId Information [4]:fjdarySspMachineld Information [5]:fjdaryTrapSensorInfo Information [6]:fjdaryTrapMessage
50	fjdaryxxx Error	Notification of an error		1.3.6.1.4.1.211.4.1. 1.126.1.xxx.0.50	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
51	fjdaryxxx Warning	Notification of a warning		1.3.6.1.4.1.211.4.1. 1.126.1.xxx.0.51	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
60	fjdaryxxx QuotaLimit Exceeded	Notification of a warning related to the Quota function (limit exceeded)		1.3.6.1.4.1.211.4.1. 1.126.1.xxx.0.60	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
61	fjdaryxxx Quota Warning Exceeded	Notification of a warning related to the Quota function (warning threshold exceeded)		1.3.6.1.4.1.211.4.1. 1.126.1.xxx.0.61	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
62	fjdaryxxx QuotaNormal	Notification of information related to the Quota function (recovered from exceed- ing the warn- ing threshold)		1.3.6.1.4.1.211.4.1. 1.126.1.xxx.0.62	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage
63	fjdaryxxx Snapshot Information	Notification of information related to the Snapshot func- tion		1.3.6.1.4.1.211.4.1. 1.126.1.xxx.0.63	Information [3]:fjdarySspMachineld Information [4]:fjdaryTrapMessage

\*1: Depending on the model of the ETERNUS AF/DX, the value of "xxx" differs as shown below.

Value (xxx)	ETERNUS AF/DX
150	ETERNUS AF250 S2/AF650 S2, ETERNUS AF250/AF650, ETERNUS DX200F, ETERNUS DX60 S4/DX100 S4/DX200 S4, ETERNUS DX500 S4/DX600 S4, ETERNUS DX60 S3/DX100 S3/DX200 S3, ETERNUS DX500 S3/DX600 S3, ETERNUS DX8100 S3
152	ETERNUS DX8700 S3/DX8900 S3
153	ETERNUS AF150 S3/AF250 S3/AF650 S3, ETERNUS DX60 S5/DX100 S5/DX200 S5, ETERNUS DX500 S5/DX600 S5/DX900 S5, ETERNUS DX8100 S4/DX8900 S4

● **Meaning of the variable-bindings**

MIB object name	MIB object ID (*1)	Description
sysUpTime	1.3.6.1.2.1.1.3.0	Indicates the operation time of the SNMP Agent (centiseconds). The operation time is reset when the SNMP Agent starts or restarts.
snmpTrapOID	1.3.6.1.6.3.1.1.4.1.0	Indicates the Object ID that identifies the type of Trap.
fjdarySspMachineld	1.3.6.1.4.1.211.1.21.1.xxx.1.1.0	Indicates the ID of the ETERNUS AF/DX.
fjdaryTrapMessage	1.3.6.1.4.1.211.1.21.1.xxx.11.0	Indicates the message (event type code + '' (blank) + message).
fjdaryTrapItemld	1.3.6.1.4.1.211.1.21.1.xxx.7.0	Indicates the value that identifies the component.
fjdaryTrapWarningInfo	1.3.6.1.4.1.211.1.21.1.xxx.10.0	Indicates additional information for an event that is used by Specific Trap No. 5 and Trap No. 25.
fjdaryTrapSensorInfo	1.3.6.1.4.1.211.1.21.1.xxx.8.0	Indicates additional information for an event that is used by Specific Trap No. 6 and Trap No. 26.
fjdaryTrapMaintenanceInfo	1.3.6.1.4.1.211.1.21.1.xxx.9.0	Indicates additional information for an event that is used by Specific Trap No. 7, Trap No. 11, and Trap No.14.
fjdaryTrapLinkStatusInfo	1.3.6.1.4.1.211.1.21.1.xxx.15.0	Indicates additional information for an event that is used by Specific Trap No. 10.

\*1: Depending on the model of the ETERNUS AF/DX, the value of "xxx" differs as shown below.

Value (xxx)	ETERNUS AF/DX
150	ETERNUS AF250 S2/AF650 S2, ETERNUS AF250/AF650, ETERNUS DX200F, ETERNUS DX60 S4/DX100 S4/DX200 S4, ETERNUS DX500 S4/DX600 S4, ETERNUS DX60 S3/DX100 S3/DX200 S3, ETERNUS DX500 S3/DX600 S3, ETERNUS DX8100 S3
152	ETERNUS DX8700 S3/DX8900 S3
153	ETERNUS AF150 S3/AF250 S3/AF650 S3, ETERNUS DX60 S5/DX100 S5/DX200 S5, ETERNUS DX500 S5/DX600 S5/DX900 S5, ETERNUS DX8100 S4/DX8900 S4

## Host Sense

The ETERNUS AF/DX returns the host sense (sense code) to the server when an error occurs in the ETERNUS AF/DX.

The cause of the error can be determined by using SK (Sense Key), ASC (Additional Sense Code), and ASCQ (Additional Sense Code Qualifier) as the host sense.

The conversion pattern of the sense code that is notified to the server is set by using the host response settings of ETERNUS Web GUI or ETERNUS CLI.

For details on the sense code that is notified to the server, refer to ["Sense Codes" \(page 174\)](#).

## Message List

This section describes the event notification messages for each severity. Some notifications are specific to the ETERNUS AF/DX models, or the firmware versions applied to the ETERNUS AF/DX.

### Caution

In total, only the first 123 characters for event type codes and messages are displayed. Therefore, the end of the sentence may not be displayed for some of the messages.

## Common Terms

The following table shows components and terms that are used in "[Error Messages \(When the Event Type is "P"\)](#)" (page 24) to "[Informational Messages \(When the Event Type is "R"\)](#)" (page 168).

**Table 1 Components List (ETERNUS AF series, ETERNUS DX200F)**

Abbreviation	Meaning	Description	AF150 S3	AF250 S3	AF250 S2	AF250	AF650 S3	AF650 S2	AF650	DX200F
CM	Controller Module	Units that control all the operations in the ETERNUS AF/DX.	Y	Y	Y	Y	Y	Y	Y	Y
CA	Channel Adapter	Host interfaces between the ETERNUS AF/DX and server.	Y	Y	Y	Y	Y	Y	Y	Y
CE	Controller Enclosure	Cabinets for installing devices such as CMs (central control modules) and CAs.	Y	Y	Y	Y	Y	Y	Y	Y
DE	Drive Enclosure	Cabinets for installing drives.	-	Y	Y	Y	Y	Y	Y	-
HDDE	High Density Drive Enclosure	Cabinets for installing drives.	-	-	-	-	-	-	-	-
SSD	Solid State Drive	Memory device using flash memory.	Y	Y	Y	Y	Y	Y	Y	Y
HDD	Hard Disk Drive	Memory device using magnetic disks.	-	-	-	-	-	-	-	-
DI	Drive Interface	Back-end interface modules in CMs.	-	Y	Y	Y	Y	Y	Y	-
BUD	Bootup and Utility Device	A device in a CM in which the system area is allocated.	Y	Y	Y	Y	Y	Y	Y	Y
IOM	I/O module	Units that control the connection between CM and drives.	-	Y	Y	Y	Y	Y	Y	-
EXP	Expander	Expander chips in a CM that are used for SAS connection.	Y	Y	Y	Y	Y	Y	Y	Y
PFM	PCIe Flash Module	Flash module installed in CMs.	-	-	-	-	-	-	-	-
FEM	FAN Expander Module	Additional fan module for high-density drive enclosures.	-	-	-	-	-	-	-	-
SCU	System Capacitor Unit	A device in a CM that supplies power to back up the cache memory data in the non-volatile memory when a power failure occurs.	-	-	-	Y	-	-	-	Y
CA SFP/SFP+	CA Small Form Factor Pluggable/Small Form Factor Pluggable+	SFP modules or SFP+ modules that are installed in CAs.	Y	Y	Y	Y	Y	Y	Y	Y
PSU	Power Supply Unit	Power supply units for units in CEs or DEs.	Y	Y	Y	Y	Y	Y	Y	Y
CPSU/CE PSU	CE Power Supply Unit	Power supply units for units in CEs.	-	-	-	-	Y	Y	Y	-
BBU	Battery Backup Unit	Battery backup units that are installed in CEs or CMs.	Y	Y	Y	-	Y	Y	Y	-

1. Event Notification Message List  
Message List

Abbreviation	Meaning	Description	AF150 S3	AF250 S3	AF250 S2	AF250	AF650 S3	AF650 S2	AF650	DX200F
BCU	Battery Control Unit	Units in BBUs that control emergency power supply.	Y	Y	Y	-	Y	Y	Y	-
BTU	Battery Unit	Battery cells in BBUs.	Y	Y	Y	-	Y	Y	Y	-
FE	Front End Enclosure	Cabinets for installing devices such as FRTs and SVCs.	-	-	-	-	-	-	-	-
FRT	Front End Router	A route switch that controls the communication between controllers.	-	-	-	-	-	-	-	-
SVC	Service Controller	Units that monitor and control the system in cooperation with the controllers.	-	-	-	-	-	-	-	-
FPSU/ FE PSU	FE Power Supply Unit	Power supply units for the units in the FEs.	-	-	-	-	-	-	-	-
FE MP	FE MidPlane	Midplanes that are installed in the FEs.	-	-	-	-	-	-	-	-
FE MP BRG	FE MidPlane Bridge	A bridge for connecting the midplanes of the FEs.	-	-	-	-	-	-	-	-
FANU/ FE FAN	FAN Unit	Cooling fan units that are installed in the FEs.	-	-	-	-	-	-	-	-

Y: Installed -: Not installed

**Table 2 Components List (ETERNUS DX series)**

Abbreviation	Meaning	Description	DX60 S5	DX100 S5/DX200 S5	DX500 S5/DX600 S5	DX900 S5	DX60 S4	DX100 S4/DX200 S4	DX500 S4/DX600 S4	DX8100 S4	DX8900 S4	DX60 S3	DX100 S3/DX200 S3	DX500 S3/DX600 S3	DX8100 S3	DX8700 S3/DX8900 S3
CM	Controller Module	Units that control all the operations in the ETERNUS AF/DX.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CA	Channel Adapter	Host interfaces between the ETERNUS AF/DX and server.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CE	Controller Enclosure	Cabinets for installing devices such as CMs (central control modules) and CAs.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DE	Drive Enclosure	Cabinets for installing drives.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
HDDE	High Density Drive Enclosure	Cabinets for installing drives.	-	Y	Y	Y	-	Y	Y	-	Y	-	Y	Y	-	-
SSD	Solid State Drive	Memory device using flash memory.	Y	Y	Y	Y	-	Y	Y	Y	Y	-	Y	Y	Y	Y
HDD	Hard Disk Drive	Memory device using magnetic disks.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
DI	Drive Interface	Back-end interface modules in CMs.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
BUD	Bootup and Utility Device	A device in a CM in which the system area is allocated.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
IOM	I/O module	Units that control the connection between CM and drives.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
EXP	Expander	Expander chips in a CM that are used for SAS connection.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PFM	PCIe Flash Module	Flash module installed in CMs.	-	-	Y	Y	-	-	Y	-	Y	-	-	Y	-	Y



1. Event Notification Message List  
Message List

Abbreviation	Meaning	Description	DX60 S5	DX100 S5/DX200 S5	DX500 S5/DX600 S5	DX900 S5	DX60 S4	DX100 S4/DX200 S4	DX500 S4/DX600 S4	DX8100 S4	DX8900 S4	DX60 S3	DX100 S3/ DX200 S3	DX500 S3/DX600 S3	DX8100 S3	DX8700 S3/DX8900 S3
FEM	FAN Expander Module	Additional fan module for high-density drive enclosures.	-	Y	Y	Y	-	Y	Y	-	Y	-	Y	Y	-	-
SCU	System Capacitor Unit	A device in a CM that supplies power to back up the cache memory data in the non-volatile memory when a power failure occurs.	-	-	-	-	-	-	-	-	-	Y	Y	-	-	-
CA SFP/ SFP+	CA Small Form Factor Pluggable/ Small Form Factor Pluggable+	SFP modules or SFP+ modules that are installed in CAs.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
PSU	Power Supply Unit	Power supply units for units in CEs or DEs.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
CPSU/ CE PSU	CE Power Supply Unit	Power supply units for units in CEs.	-	-	Y	Y	-	-	Y	Y	Y	-	-	Y	Y	Y
BBU	Battery Backup Unit	Battery backup units that are installed in CEs or CMs.	Y	Y	Y	Y	Y	Y	Y	Y	Y	-	-	Y	Y	Y
BCU	Battery Control Unit	Units in BBUs that control emergency power supply.	Y	Y	Y	Y	Y	Y	Y	Y	Y	-	-	Y	Y	Y
BTU	Battery Unit	Battery cells in BBUs.	Y	Y	Y	Y	Y	Y	Y	Y	Y	-	-	Y	Y	Y
FE	Front End Enclosure	Cabinets for installing devices such as FRTs and SVCs.	-	-	-	Y	-	-	-	-	Y	-	-	-	-	Y
FRT	Front End Router	A route switch that controls the communication between controllers.	-	-	-	Y	-	-	-	-	Y	-	-	-	-	Y
SVC	Service Controller	Units that monitor and control the system in cooperation with the controllers.	-	-	-	Y	-	-	-	-	Y	-	-	-	-	Y
FPSU/ FE PSU	FE Power Supply Unit	Power supply units for the units in the FEs.	-	-	-	Y	-	-	-	-	Y	-	-	-	-	Y
FE MP	FE MidPlane	Midplanes that are installed in the FEs.	-	-	-	Y	-	-	-	-	Y	-	-	-	-	Y
FE MP BRG	FE MidPlane Bridge	A bridge for connecting the midplanes of the FEs.	-	-	-	Y	-	-	-	-	Y	-	-	-	-	Y
FANU/ FE FAN	FAN Unit	Cooling fan units that are installed in the FEs.	-	-	-	Y	-	-	-	-	Y	-	-	-	-	Y

Y: Installed -: Not installed

**Table 3 Abbreviations of Component Names**

Abbreviation	Meaning
HS	Hot spares
TPV	Thin Provisioning Volume(s)
TPP	Thin Provisioning Pool
SMART	Self-Monitoring Analysis and Reporting Technology
F/W	Firmware
DMA	Direct Memory Access

## Error Messages (When the Event Type is "P")

This section describes the messages for "P" type events that are sent when the severity is "Error". The following messages are sent when components fail or degrade, or when a temperature error has been detected.

**Note**

- The types of messages that are notified vary depending on the event notification setting.
- Depending on the items enabled for Error Severity Level of the event notification setting, a message is notified when an error occurs in the target component.
- Message notifications are suppressed during maintenance operations.

**Table 4 Error Messages (Event Type Code: P 01SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 01SSMM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0100MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> >  CM is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>m</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error
P 01SSMM00  Notification target: DX8700 S3 DX8900 S3	2	0100MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> >  CM is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 – 2B) <i>m</i> : CM number (0 – 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error
P 01SSMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0100MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> > <i>fac</i> ( <i>fff</i> )  CM is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>m</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>fff</i> : Factor code	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 01SSMM00  Notification target: DX900 S5 DX8900 S4	2	0100MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )  CM is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 – 2B) <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Error

**Table 5 Error Messages (Event Type Code: P 02SSMMxx through P 04SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 02.SSMM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0200MM0p	-	Controller Module# <i>m</i> ( <i>zz</i> ) DMA PORT# <i>p</i> Fault < <i>pppppppppppp</i> <i>ssssssssss</i> <i>rrrrr</i> >  CM DMA port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>p</i> : Port number (0 – 1) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error
P 02.SSMM0p  Notification target: DX8700 S3 DX8900 S3	2	0200MM0p	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) DMA PORT# <i>p</i> Fault < <i>pppppppppppp</i> <i>ssssssssss</i> <i>rrrrr</i> >  CM DMA port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 - 2B) <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>p</i> : Port number (0 – 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error
P 02.SSMM0p  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0200MM0p	-	Controller Module# <i>m</i> ( <i>zz</i> ) DMA PORT# <i>p</i> Fault < <i>pppppppppppp</i> <i>ssssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )  CM DMA port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>p</i> : Port number (0 – 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 02.S5MM0p  Notification target: DX900 S5 DX8900 S4	2	0200MM0p	-	Controller Module#m(zz) (on CE#jj) DMA PORT#p Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM DMA port is disconnected. SS: Component subtype MM: CM module ID (10 – 1B, 20 - 2B) m: CM number (0 – 1) zz: Model name jj: CE number (00 - 0b) p: Port number (0 – 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 03.S5MM0v  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0300MM0v	-	Controller Module#m(zz) BIOS#vFault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM BIOS is disconnected. SS: Component subtype MM: CM module ID (10 – 11) m: CM number (0 – 1) zz: Model name v: Device number (0 – 1) pp...: Component number ss...: Serial number rr...: Version	
P 03.S5MM0v  Notification target: DX8700 S3 DX8900 S3	2	0300MM0v	-	Controller Module#m(zz) (on CE#jj) BIOS#vFault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM BIOS is disconnected. SS: Component subtype MM: CM module ID (10 – 1B, 20 - 2B) m: CM number (0 – 1) zz: Model name jj: CE number (00 - 0b) v: Device number (0 – 1) pp...: Component number ss...: Serial number rr...: Version	
P 03.S5MM0v  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0300MM0v	-	Controller Module#m(zz) BIOS#vFault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM BIOS is disconnected. SS: Component subtype MM: CM module ID (10 – 11) m: CM number (0 – 1) zz: Model name v: Device number (0 – 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 03.S5MM0v  Notification target: DX900 S5 DX8900 S4	2	0300MM0v	-	Controller Module#m(zz) (on CE#jj) BIOS#vFault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM BIOS is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) v: Device number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 04.S5MM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0400MM00	-	Controller Module#m(zz) RTC Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM RTC is disconnected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	
P 04.S5MM00  Notification target: DX8700 S3 DX8900 S3	2	0400MM00	-	Controller Module#m(zz) (on CE#jj) RTC Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM RTC is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	
P 04.S5MM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0400MM00	-	Controller Module#m(zz) RTC Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM RTC is disconnected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	

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Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 04.S5MM00  Notification target: DX900 S5 DX8900 S4	2	0400MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) RTC Fault < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )  CM RTC is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Error

**Table 6 Error Messages (Event Type Code: P 05SSMMxx through P 06SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 05.S5MM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0500MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) NVRAM Fault < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> >  CM NVRAM is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error
P 05.S5MM00  Notification target: DX8700 S3 DX8900 S3	2	0500MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) NVRAM Fault < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> >  CM NVRAM is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error
P 05.S5MM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0500MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) NVRAM Fault < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )  CM NVRAM is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 05.SSMM00  Notification target: DX900 S5 DX8900 S4	2	0500MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) NVRAM Fault < <i>ppppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  CM NVRAM is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	Parts Error
P 06.SSMM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0600MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) EXP Fault < <i>ppppppppppppp ssssssssss rrrrr</i> >  CM EXP is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	Parts Error
P 06.SSMM00  Notification target: DX8700 S3 DX8900 S3	2	0600MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) EXP Fault < <i>ppppppppppppp ssssssssss rrrrr</i> >  CM EXP is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	Parts Error
P 06.SSMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0600MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) EXP Fault < <i>ppppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  CM EXP is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	Parts Error
P 06.SSMM00  Notification target: DX900 S5 DX8900 S4	2	0600MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) EXP Fault < <i>ppppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  CM EXP is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	Parts Error



1. Event Notification Message List  
Message List

**Table 7 Error Messages (Event Type Code: P 08SSMMxx through P 09SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 08.SSMMvp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0800MMvp	-	Controller Module# <i>m</i> ( <i>zz</i> ) DI Port# <i>P</i> Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> >	Parts Error
				CM DI port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>v</i> : Device number (0 - 1) <i>p</i> : Device port number (0 - 1) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>P</i> : Port number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
P 08.SSMMvp  Notification target: DX8700 S3 DX8900 S3	2	0800MMvp	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) DI Port# <i>P</i> Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> >	Parts Error
				CM DI port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 - 2B) <i>v</i> : Device number (0 - 1) <i>p</i> : Device port number (0 - 1) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>P</i> : Port number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
P 08.SSMMvp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0800MMvp	-	Controller Module# <i>m</i> ( <i>zz</i> ) DI Port# <i>P</i> Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> > fac( <i>ffff</i> )	Parts Error
				CM DI port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>v</i> : Device number (0 - 1) <i>p</i> : Device port number (0 - 1) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>P</i> : Port number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 08.S5MMvp  Notification target: DX900 S5 DX8900 S4	2	0800MMvp	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) DI Port# <i>P</i> Fault < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )	Parts Error
				CM DI port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 - 2B) <i>v</i> : Device number (0 - 1) <i>p</i> : Device port number (0 - 1) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>P</i> : Port number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	
P 09.S5MMOp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0900MMOp	-	Controller Module# <i>m</i> ( <i>zz</i> ) EXP In Port# <i>p</i> Fault < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> >	Parts Error
				CM EXP IN port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>p</i> : Port number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
P 09.S5MMOp  Notification target: DX8700 S3 DX8900 S3	2	0900MMOp	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) EXP In Port# <i>p</i> Fault < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> >	Parts Error
				CM EXP IN port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>p</i> : Port number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
P 09.S5MMOp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0900MMOp	-	Controller Module# <i>m</i> ( <i>zz</i> ) EXP In Port# <i>p</i> Fault < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )	Parts Error
				CM EXP IN port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>p</i> : Port number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 09SSMM0p  Notification target: DX900 S5 DX8900 S4	2	0900MM0p	-	Controller Module#m(zz) (on CE#jj) EXP In Port#p Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)  CM EXP IN port is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) p: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error

**Table 8 Error Messages (Event Type Code: P 0ASSMMxx through P 0FSSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 0ASSMM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX660 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0A00MM0p	-	Controller Module#m(zz) EXP Out Port#p Fault <pppppppppppp ssssssssss rrrrr>  CM EXP Out port is disconnected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name p: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 0ASSMM0p  Notification target: DX8700 S3 DX8900 S3	2	0A00MM0p	-	Controller Module#m(zz) (on CE#jj) EXP Out Port#p Fault <pppppppppppp ssssssssss rrrrr>  CM EXP Out port is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) p: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 0A5SMM0p  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0A00MM0p	-	Controller Module#m(zz) EXP Out Port#p Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM EXP Out port is disconnected. SS: Component subtype MM: CM module ID (10 – 11) m: CM number (0 – 1) zz: Model name p: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 0A5SMM0p  Notification target: DX900 S5 DX8900 S4	2	0A00MM0p	-	Controller Module#m(zz) (on CE#jj) EXP Out Port#p Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM EXP Out port is disconnected. SS: Component subtype MM: CM module ID (10 – 1B, 20 - 2B) m: CM number (0 – 1) zz: Model name jj: CE number (00 - 0b) p: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 0B5SMMnn  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0B00MMnn	-	Controller Module#m(zz) Cache(MEM #xGB) Slot#nn Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM memory is disconnected. SS: Component subtype MM: CM module ID (10 – 11) m: CM number (0 – 1) zz: Model name x: Capacity of the cache memory nn: Slot number of the cache memory module (0 - 7) pp...: Component number ss...: Serial number rr...: Version	
P 0B5SMMnn  Notification target: DX8700 S3 DX8900 S3	2	0B00MMnn	-	Controller Module#m(zz) (on CE#jj) Cache(MEM #xGB) Slot#nn Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM memory is disconnected. SS: Component subtype MM: CM module ID (10 – 1B, 20 - 2B) m: CM number (0 – 1) zz: Model name jj: CE number (00 - 0b) x: Capacity of the cache memory nn: Slot number of the cache memory module (0 - 7) pp...: Component number ss...: Serial number rr...: Version	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P OBSSMMnn  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	OB00MMnn	-	Controller Module#m(zz) Cache(MEM #xGB) Slot#nn Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM memory is disconnected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name x: Capacity of the cache memory nn: Slot number of the cache memory module (0 - 7) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P OBSSMMnn  Notification target: DX900 S5 DX8900 S4	2	OB00MMnn	-	Controller Module#m(zz) (on CE#jj) Cache(MEM#xGB) Slot#nn Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM memory is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) x: Capacity of the cache memory nn: Slot number of the cache memory module (0 - 7) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P OCSSMMv  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	OC00MMv	-	Controller Module#m(zz) BUD#v(#xxGB) Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM BUD is disconnected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name v: Device number (0 - 1) xx: Capacity of BUD pp...: Component number ss...: Serial number rr...: Version	
P OCSSMMv  Notification target: DX8700 S3 DX8900 S3	2	OC00MMv	-	Controller Module#m(zz) (on CE#jj) BUD#v(#xxGB) Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM BUD is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) v: Device number (0 - 1) xx: Capacity of BUD pp...: Component number ss...: Serial number rr...: Version	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 0C.SSMM0v  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	0C00MM0v	-	Controller Module#m(zz) BUD#v(#xxGB) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM BUD is disconnected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name v: Device number (0 - 1) xx: Capacity of BUD pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 0C.SSMM0v  Notification target: DX900 S5 DX8900 S4	2	0C00MM0v	-	Controller Module#m(zz) (on CE#jj) BUD#v(#xxGB) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM BUD is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) v: Device number (0 - 1) xx: Capacity of BUD pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 0D.SSMM00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	0D00MM00	-	Controller Module#m(zz) FAN Fault <pppppppppppp>	Parts Error
				CM FAN is disconnected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name pp...: Component number	
P 0D.SSMM00  Notification target: DX8700 S3 DX8900 S3	2	0D00MM00	-	Controller Module#m(zz) (on CE#jj) FAN Fault <pppppppppppp>	Parts Error
				CM FAN is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number	
P 0D.SSMM00  Notification target: AF650 S3 DX500 S5/DX600 S5 DX8100 S4	2	0D00MM00	-	Controller Module#m(zz) FAN Fault <pppppppppppp> fac(ffff)	Parts Error
				CM FAN is disconnected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name pp...: Component number ffff: Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 0DSSMM00  Notification target: DX900 S5 DX8900 S4	2	0D00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) FAN Fault <pppppppppppp> fac( <i>ffff</i> )	Parts Error
				CM FAN is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 - 2B) <i>mm</i> : CM number (0 – 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ffff</i> : Factor code	
P 0ESSMM00  Notification target: AF250 S2/AF250 DX100 S4/S3 DX200 S4/S3 DX200F	2	0E00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) SATA SSD Controller Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				SATA SSD Controller is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>mm</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
P 0FSSMM00  Notification target: AF250 DX60 S3 DX100 S3 DX200 S3 DX200F	2	0F00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) SCU Fault <pppppppppppp sssssssssss rrrrr>	Parts Error
				CM SCU is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>mm</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	

**Table 9 Error Messages (Event Type Code: P 10SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 10SSMM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	1000MM00	-	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CM# <i>m</i> ) Fault <pppppppppppp sssssssssss rrrrr>	Parts Error
				CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40 – 7F) <i>S</i> : CA slot number (0 – 3) <i>V</i> : Device number (0 – 1) <i>zz</i> : CA type <i>mm</i> : CM number (0 – 1) <i>pp</i> ...: CA component number <i>ss</i> ...: CA serial number <i>rr</i> ...: CA version	



1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 10.S5MM00 Notification target: DX100 S4/S3	2	1000MM00	-	CA Slot# <i>S</i> - <i>V</i> ( <i>zz</i> ) (on CM-FC# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> > CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>V</i> : Device number (0) <i>zz</i> : CA type <i>rr</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	Parts Error
P 10.S5MM00 Notification target: DX60 S4/S3	2	1000MM00	-	CA Slot# <i>S</i> (on CM-iSCSI# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> > CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>rr</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	Parts Error
P 10.S5MM00 Notification target: DX60 S4/S3	2	1000MM00	-	CA Slot# <i>S</i> (on CM-iSCSI 10GT# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> > CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>rr</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	Parts Error
P 10.S5MM00 Notification target: DX60 S4/S3	2	1000MM00	-	CA Slot# <i>S</i> (on CM-SAS# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> > CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>rr</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	Parts Error
P 10.S5MM00 Notification target: DX60 S4/S3	2	1000MM00	-	CA Slot# <i>S</i> (on CM-SAS 12G# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> > CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>rr</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 10.S5MM00  Notification target: DX60 S4/S3	2	1000MM00	-	CA Slot# <i>S</i> (on CM-FC# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 - 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	Parts Error
P 10.S5MM00  Notification target: DX8700 S3 DX8900 S3	2	1000MM00	-	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CE# <i>jj</i> CM# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40 - FF) <i>S</i> : CA slot number (0 - 3) <i>V</i> : Device number (0 - 1) <i>zz</i> : CA type <i>jj</i> : CE number (00 - 0b) <i>m</i> : CM number (0 - 1) <i>pp...</i> : CA component number <i>ss...</i> : CA serial number <i>rr...</i> : CA version	Parts Error
P 10.S5MM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	1000MM00	-	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CM# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> > fac( <i>fff</i> )  CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40 - 7F) <i>S</i> : CA slot number (0 - 3) <i>V</i> : Device number (0 - 1) <i>zz</i> : CA type <i>m</i> : CM number (0 - 1) <i>pp...</i> : CA component number <i>ss...</i> : CA serial number <i>rr...</i> : CA version <i>fff</i> : Factor code	Parts Error
P 10.S5MM00  Notification target: DX100 S5	2	1000MM00	-	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CM-FC# <i>m</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> > fac( <i>fff</i> )  CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>V</i> : Device number (0) <i>zz</i> : CA type <i>m</i> : CM number (0 - 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version <i>fff</i> : Factor code	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 10SSMM00 Notification target: DX60 S5	2	1000MM00	-	CA Slot# <i>S</i> (on CM-iSCSI# <i>m</i> ) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff) CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version <i>ffff</i> : Factor code	Parts Error
P 10SSMM00 Notification target: DX60 S5	2	1000MM00	-	CA Slot# <i>S</i> (on CM-iSCSI 10GT# <i>m</i> ) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff) CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version <i>ffff</i> : Factor code	Parts Error
P 10SSMM00 Notification target: DX60 S5	2	1000MM00	-	CA Slot# <i>S</i> (on CM-SAS# <i>m</i> ) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff) CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version <i>ffff</i> : Factor code	Parts Error
P 10SSMM00 Notification target: DX60 S5	2	1000MM00	-	CA Slot# <i>S</i> (on CM-SAS 12G# <i>m</i> ) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff) CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version <i>ffff</i> : Factor code	Parts Error
P 10SSMM00 Notification target: DX60 S5	2	1000MM00	-	CA Slot# <i>S</i> (on CM-FC# <i>m</i> ) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff) CA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version <i>ffff</i> : Factor code	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 10.SSMM00  Notification target: DX900 S5 DX8900 S4	2	1000MM00	-	CA Slot#S-V(zz) (on CE#jjCM#m) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)  CA is disconnected. SS: Component subtype MM: CA module ID (40 – FF) S: CA slot number (0 – 3) V: Device number (0 – 1) zz: CA type jj: CE number (00 – 0b) m: CM number (0 – 1) pp...: CA component number ss...: CA serial number rr...: CA version ffff: Factor code	Parts Error

**Table 10 Error Messages (Event Type Code: P 11SSMM0p through P 1ASSMM0p)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 11.SSMM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	1100MM0p	-	CA Slot#S(zz) (on CM#m) Port#PFault <pppppppppppp ssssssssss rrrrr>  CA port is disconnected. SS: Component subtype MM: CA module ID (40 – 7F) p: Device port number (0 – 1) S: CA slot number (0 – 3) zz: CA type m: CM number (0 – 1) P: Port number (0 – 3) pp...: CA component number ss...: CA serial number rr...: CA version	Parts Error
P 11.SSMM0p  Notification target: DX100 S4/S3	2	1100MM0p	-	CA Slot#S(zz) (on CM-FC#m) Port#PFault <pppppppppppp sssssssss rrrrr>  CA port is disconnected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 – 1) S: CA slot number (0) zz: CA type m: CM number (0 – 1) P: Port number (0 – 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 11SSMMOp Notification target: DX60 S4/S3	2	1100MMOp	-	CA Slot# <i>S</i> (on CM-iSCSI# <i>m</i> ) Port# <i>P</i> Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CA port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>p</i> : Device port number (0 – 1) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>P</i> : Port number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	
P 11SSMMOp Notification target: DX60 S4/S3	2	1100MMOp	-	CA Slot# <i>S</i> (on CM-iSCSI 10GT# <i>m</i> ) Port# <i>P</i> Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CA port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>p</i> : Device port number (0 – 1) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>P</i> : Port number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	
P 11SSMMOp Notification target: DX60 S4/S3	2	1100MMOp	-	CA Slot# <i>S</i> (on CM-SAS# <i>m</i> ) Port# <i>P</i> Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CA port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>p</i> : Device port number (0 – 1) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>P</i> : Port number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	
P 11SSMMOp Notification target: DX60 S4/S3	2	1100MMOp	-	CA Slot# <i>S</i> (on CM-SAS 12G# <i>m</i> ) Port# <i>P</i> Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CA port is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>p</i> : Device port number (0 – 1) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 – 1) <i>P</i> : Port number (0 – 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 11SSMMOp  Notification target: DX60 S4/S3	2	1100MMOp	-	CA Slot#S (on CM-FC#m) Port#PFault <pppppppppppp ssssssssss rrrrr>  CA port is disconnected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Error
P 11SSMMOp  Notification target: DX8700 S3 DX8900 S3	2	1100MMOp	-	CA Slot#S(zz) (on CE#jjCM#m) Port#PFault <pppppppppppp ssssssssss rrrrr>  CA port is disconnected. SS: Component subtype MM: CA module ID (40 - FF) p: Device port number (0 - 1) S: CA slot number (0 - 3) zz: CA type jj: CE number (00 - 0b) m: CM number (0 - 1) P: Port number (0 - 3) pp...: CA component number ss...: CA serial number rr...: CA version	Parts Error
P 11SSMMOp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	1100MMOp	-	CA Slot#S(zz) (on CM#m) Port#PFault <pppppppppppp sssssssssss rrrrr> fac(ffff)  CA port is disconnected. SS: Component subtype MM: CA module ID (40 - 7F) p: Device port number (0 - 1) S: CA slot number (0 - 3) zz: CA type m: CM number (0 - 1) P: Port number (0 - 3) pp...: CA component number ss...: CA serial number rr...: CA version ffff: Factor code	Parts Error
P 11SSMMOp  Notification target: DX100 S5	2	1100MMOp	-	CA Slot#S(zz) (on CM-FC#m) Port#PFault <pppppppppppp ssssssssss rrrrr> fac(ffff)  CA port is disconnected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) zz: CA type m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	Parts Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 11SSMMOp Notification target: DX60 S5	2	1100MMOp	-	CA Slot#S (on CM-iSCSI#m) Port#PFault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 – 1) S: CA slot number (0) m: CM number (0 – 1) P: Port number (0 – 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	
P 11SSMMOp Notification target: DX60 S5	2	1100MMOp	-	CA Slot#S (on CM-iSCSI 10GT#m) Port#PFault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 – 1) S: CA slot number (0) m: CM number (0 – 1) P: Port number (0 – 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	
P 11SSMMOp Notification target: DX60 S5	2	1100MMOp	-	CA Slot#S (on CM-SAS#m) Port#PFault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 – 1) S: CA slot number (0) m: CM number (0 – 1) P: Port number (0 – 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	
P 11SSMMOp Notification target: DX60 S5	2	1100MMOp	-	CA Slot#S (on CM-SAS 12G#m) Port#PFault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 – 1) S: CA slot number (0) m: CM number (0 – 1) P: Port number (0 – 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 11SSMMOp  Notification target: DX60 S5	2	1100MMOp	-	CA Slot#S (on CM-FC#m) Port#PFault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	
P 11SSMMOp  Notification target: DX900 S5 DX8900 S4	2	1100MMOp	-	CA Slot#S(zz) (on CE#jjCM#m) Port#PFault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40 - FF) p: Device port number (0 - 1) S: CA slot number (0 - 3) zz: CA type jj: CE number (00 - 0b) m: CM number (0 - 1) P: Port number (0 - 3) pp...: CA component number ss...: CA serial number rr...: CA version ffff: Factor code	
P 1ASSMMOp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	1A00MMOp	-	yyCA Slot#S(zz) (on CM#m) Port#PFault <pppppppppppppppp ssssssssssssss rrrr 00000000>	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40 - 7F) p: Device port number (0 - 1) yy: SFP type S: CA slot number (0 - 3) zz: CA type m: CM number (0 - 1) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information	



1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 1A5SMM0p  Notification target: DX8700 S3 DX8900 S3	2	1A00MM0p	-	yyCA Slot#S(zz) (on CE#jjCM#m) Port#PFault <pppppppppppppppp ssssssssssssssss rrrr 00000000>	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40 - FF) p: Device port number (0 - 1) yy: SFP type S: CA slot number (0 - 3) zz: CA type jj: CE number (00 - 0b) rr: CM number (0 - 1) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information	
P 1A5SMM0p  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	1A00MM0p	-	yyCA Slot#S(zz) (on CM#m) Port#PFault <pppppppppppppppp ssssssssssssssss rrrr 00000000> fac(ffff)	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40 - 7F) p: Device port number (0 - 1) yy: SFP type S: CA slot number (0 - 3) zz: CA type rr: CM number (0 - 1) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information ffff: Factor code	
P 1A5SMM0p  Notification target: DX900 S5 DX8900 S4	2	1A00MM0p	-	yyCA Slot#S(zz) (on CE#jjCM#m) Port#PFault <pppppppppppppppp ssssssssssssssss rrrr 00000000> fac(ffff)	Parts Error
				CA port is disconnected. SS: Component subtype MM: CA module ID (40 - FF) p: Device port number (0 - 1) yy: SFP type S: CA slot number (0 - 3) zz: CA type jj: CE number (00 - 0b) rr: CM number (0 - 1) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information ffff: Factor code	

1. Event Notification Message List  
Message List

**Table 11 Error Messages (Event Type Code: P 21SSMMxx through P 24SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 21SSMM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	2100MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) FPGA Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> >	Parts Error
				CM FPGA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>m</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
P 21SSMM00  Notification target: DX8700 S3 DX8900 S3	2	2100MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) FPGA Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> >	Parts Error
				CM FPGA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 - 2B) <i>m</i> : CM number (0 – 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
P 21SSMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	2100MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) FPGA Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> > fac( <i>fff</i> )	Parts Error
				CM FPGA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>m</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>fff</i> : Factor code	
P 21SSMM00  Notification target: DX900 S5 DX8900 S4	2	2100MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) FPGA Fault < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> > fac( <i>fff</i> )	Parts Error
				CM FPGA is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 1B, 20 - 2B) <i>m</i> : CM number (0 – 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>fff</i> : Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 22.S5MM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	2200MM0p	-	Controller Module#m(zz) LAN PORT#p Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM LAN port is disconnected. SS: Component subtype MM: CM module ID (10 – 11) p: Port number (0 – 2) m: CM number (0 – 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	
P 22.S5MM0p  Notification target: DX8700 S3 DX8900 S3	2	2200MM0p	-	Controller Module#m(zz) (on CE#jj) LAN PORT#p Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM LAN port is disconnected. SS: Component subtype MM: CM module ID (10 – 1B, 20 - 2B) p: Port number (0 – 2) m: CM number (0 – 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	
P 22.S5MM0p  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	2200MM0p	-	Controller Module#m(zz) LAN PORT#p Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM LAN port is disconnected. SS: Component subtype MM: CM module ID (10 – 11) p: Port number (0 – 2) m: CM number (0 – 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 22.S5MM0p  Notification target: DX900 S5 DX8900 S4	2	2200MM0p	-	Controller Module#m(zz) (on CE#jj) LAN PORT#p Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				CM LAN port is disconnected. SS: Component subtype MM: CM module ID (10 – 1B, 20 - 2B) p: Port number (0 – 2) m: CM number (0 – 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 23.S5MM0p  Notification target: DX8700 S3 DX8900 S3	2	2300MM0p	-	Controller Module#m(zz) (on CE#jj) SVC PORT#p Fault <pppppppppppp ssssssssss rrrrr>  CM SVC port is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 23.S5MM0p  Notification target: DX900 S5 DX8900 S4	2	2300MM0p	-	Controller Module#m(zz) (on CE#jj) SVC PORT#p Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)  CM SVC port is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error
P 24.S5MM0p  Notification target: DX8700 S3 DX8900 S3	2	2400MM0p	-	Controller Module#m(zz) (on CE#jj) CM QSFP+ Cable#P Fault <pppppppppppp ssssssssss rrrrr>  CM QSFP+ cable is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 3) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 24.S5MM0p  Notification target: DX900 S5 DX8900 S4	2	2400MM0p	-	Controller Module#m(zz) (on CE#jj) CM QSFP+ Cable#P Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)  CM QSFP+ cable is disconnected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 3) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error

1. Event Notification Message List  
Message List

**Table 12 Error Messages (Event Type Code: P 2ASSMMxx through P 2DSSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 2ASSMM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	2A00MM0p	-	Controller Module#m(zz) CM mini SAS HD#PFault  CM mini SAS HD is disconnected. SS: Component subtype MM: CM module ID (10 – 11) p: Port number (0 – 3) m: CM number (0 – 1) zz: Model name P: Port number (0 - 3)	Parts Error
P 2ASSMM0p  Notification target: DX8700 S3 DX8900 S3	2	2A00MM0p	-	Controller Module#m(zz) (on CE#jj) CM mini SAS HD#P Fault  CM mini SAS HD is disconnected. SS: Component subtype MM: CM module ID (10 – 1B, 20 - 2B) p: Port number (0 – 3) m: CM number (0 – 1) zz: Model name jj: CE number (00 - 0b) P: Port number (0 - 3)	Parts Error
P 2ASSMM0p  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	2	2A00MM0p	-	Controller Module#m(zz) CM mini SAS HD#PFault fac(ffff)  CM mini SAS HD is disconnected. SS: Component subtype MM: CM module ID (10 – 11) p: Port number (0 – 3) m: CM number (0 – 1) zz: Model name P: Port number (0 - 3) ffff: Factor code	Parts Error
P 2ASSMM0p  Notification target: DX900 S5 DX8900 S4	2	2A00MM0p	-	Controller Module#m(zz) (on CE#jj) CM mini SAS HD#P Fault fac(ffff)  CM mini SAS HD is disconnected. SS: Component subtype MM: CM module ID (10 – 1B, 20 - 2B) p: Port number (0 – 3) m: CM number (0 – 1) zz: Model name jj: CE number (00 - 0b) P: Port number (0 - 3) ffff: Factor code	Parts Error
P 2BSSMM00  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	2	2B00MM00	-	Controller Module#m(zz) NAS Engine Fault <ppppppppppp sssssssss rrrrr>  NAS Engine communication is disconnected. SS: Component subtype MM: CM module ID (10 – 11) m: CM number (0 – 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	Parts Error

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Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 2B.SSMM00  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5	2	2B00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) NAS Engine Fault <pppppppppppp ssssssssss rrrrr> fac( <i>ffff</i> )	Parts Error
				NAS Engine communication is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 2C.SSMM00  Notification target: AF250 S2 DX60 S4 DX100 S4/DX200 S4	2	2C00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) BBU Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				CM BBU is disconnected. <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
P 2C.SSMM00  Notification target: AF150 S3/DX250 S3 DX60 S5 DX100 S5/DX200 S5	2	2C00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) BBU Fault <pppppppppppp ssssssssss rrrrr> fac( <i>ffff</i> )	Parts Error
				CM BBU is disconnected. <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 2D.SSMM0p  Notification target: AF250 S3 AF650 S3 DX500 S5/DX600 S5	2	2D00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) SAENG Fault <pppppppppppp ssssssssss rrrrr> fac( <i>ffff</i> )	Parts Error
				CM Storage Acceleration Engine (FPGA CAMAS) is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>p</i> : Port number (0 – 3) <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 2D.SSMM0p  Notification target: DX900 S5 DX8100 S4 DX8900 S4	2	2D00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) SAENG Fault <pppppppppppp ssssssssss rrrrr> fac( <i>ffff</i> )	Parts Error
				CM Storage Acceleration Engine (FPGA CAMAS) is disconnected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 – 11) <i>p</i> : Port number (0 – 3) <i>rr</i> : CM number (0 – 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 – 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	

1. Event Notification Message List  
Message List

**Table 13 Error Messages (Event Type Code: P 40SSMMxx through P 42SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 40SSMM00  Notification target: DX8700 S3 DX8900 S3	2	4000MM00	-	FRT# <i>n</i> Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				FRT is disconnected. SS: Component subtype MM: FRT module ID (38 - 3B) r: FRT number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	
P 40SSMM00  Notification target: DX900 S5 DX8900 S4	2	4000MM00	-	FRT# <i>n</i> Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				FRT is disconnected. SS: Component subtype MM: FRT module ID (38 - 3B) r: FRT number (0 - 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 41SSMMPP  Notification target: DX8700 S3 DX8900 S3	2	4100MMPP	-	FRT# <i>n</i> PORT# <i>pp</i> Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				FRT port is disconnected. SS: Component subtype MM: FRT module ID (38 - 3B) PP: Port number (00 - 17 (hexadecimal)) r: FRT number (0 - 3) pp: Port number (00 - 23 (decimal)) pp...: Component number ss...: Serial number rr...: Version	
P 41SSMMPP  Notification target: DX900 S5 DX8900 S4	2	4100MMPP	-	FRT# <i>n</i> PORT# <i>pp</i> Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				FRT port is disconnected. SS: Component subtype MM: FRT module ID (38 - 3B) PP: Port number (00 - 17 (hexadecimal)) r: FRT number (0 - 3) pp: Port number (00 - 23 (decimal)) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 42SSMMPP  Notification target: DX8700 S3 DX8900 S3	2	4200MMPP	-	FRT# <i>n</i> QSFP+ Cable# <i>pp</i> Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				FRT QSFP+ cable is disconnected. SS: Component subtype MM: FRT module ID (38 - 3B) PP: Port number (00 - 17 (hexadecimal)) r: FRT number (0 - 3) pp: Port number (00 - 23 (decimal)) pp...: Component number ss...: Serial number rr...: Version	

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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 42.S5MMPP  Notification target: DX900 S5 DX8900 S4	2	4200MMPP	-	FRT# <i>n</i> QSFP+ Cable# <i>pp</i> Fault < <i>pppppppppppp ssssssssss rrrr</i> > fac( <i>ffff</i> )  FRT QSFP+ cable is disconnected. <i>SS</i> : Component subtype <i>MM</i> : FRT module ID (38 - 3B) <i>PP</i> : Port number (00 - 17 (hexadecimal)) <i>n</i> : FRT number (0 - 3) <i>pp</i> : Port number (00 - 23 (decimal)) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Error

**Table 14 Error Messages (Event Type Code: P 50000000 through P 5B000000)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 50000000  Notification target: DX8700 S3 DX8900 S3	2	50000000	-	FE Fault < <i>pppppppppppp ssssssssss rrrr</i> >  FE is disconnected. <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error
P 50000000  Notification target: DX900 S5 DX8900 S4	2	50000000	-	FE Fault < <i>pppppppppppp ssssssssss rrrr</i> > fac( <i>ffff</i> )  FE is disconnected. <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Error
P 51000000  Notification target: DX8700 S3 DX8900 S3	2	51000000	-	System PANEL UNIT Fault < <i>pppppppppppp ssssssssss rrrr</i> >  System panel is disconnected. <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error
P 51000000  Notification target: DX900 S5 DX8900 S4	2	51000000	-	System PANEL UNIT Fault < <i>pppppppppppp ssssssssss rrrr</i> > fac( <i>ffff</i> )  System panel is disconnected. <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Error
P 52000 <i>n</i> 00  Notification target: DX8700 S3 DX8900 S3	2	52000 <i>n</i> 00	-	Power Supply Unit/FPSU# <i>n</i> Fault < <i>pppppppppppp ssssssssss rrrr</i> >  FE PSU is disconnected. <i>n</i> : FPSU slot number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Error



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Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 52000 <i>n</i> 00  Notification target: DX900 S5 DX8900 S4	2	52000 <i>n</i> 00	-	Power Supply Unit/FPSU# <i>n</i> Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> > fac( <i>ffff</i> )	Parts Error
				FE PSU is disconnected. <i>n</i> : FPSU slot number (0 - 3) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 53000 <i>n</i> 00  Notification target: DX8700 S3 DX8900 S3	2	53000 <i>n</i> 00	-	FE FANU# <i>n</i> Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> >	Parts Error
				FE FAN is disconnected. <i>n</i> : FANU slot number (0 - 3) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
P 53000 <i>n</i> 00  Notification target: DX900 S5 DX8900 S4	2	53000 <i>n</i> 00	-	FE FANU# <i>n</i> Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> > fac( <i>ffff</i> )	Parts Error
				FE FAN is disconnected. <i>n</i> : FANU slot number (0 - 3) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 54000 <i>n</i> 00  Notification target: DX8700 S3 DX8900 S3	2	54000 <i>n</i> 00	-	FE MP# <i>n</i> Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> >	Parts Error
				FE MP is disconnected. <i>n</i> : FE MP number (0 - 1) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
P 54000 <i>n</i> 00  Notification target: DX900 S5 DX8900 S4	2	54000 <i>n</i> 00	-	FE MP# <i>n</i> Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> > fac( <i>ffff</i> )	Parts Error
				FE MP is disconnected. <i>n</i> : FE MP number (0 - 1) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 55000000  Notification target: DX8700 S3 DX8900 S3	2	55000000	-	FE MP BRG Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> >	Parts Error
				FE MP BRG is disconnected. <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
P 55000000  Notification target: DX900 S5 DX8900 S4	2	55000000	-	FE MP BRG Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> > fac( <i>ffff</i> )	Parts Error
				FE MP BRG is disconnected. <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 5A000000  Notification target: DX900 S5 DX8700 S3 DX8900 S4/S3	6	5A000000	2	FE Exhaust temperature Fatal	Temperature Error
				Exhaust temperature error (fatal error) has been detected in FE.	

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 5A000000  Notification target: DX900 S5 DX8700 S3 DX8900 S4/S3	2	5A000000	-	FE Exhaust temperature sensor Fault	Parts Error
				Exhaust temperature error (sensor failure) has been detected in FE.	
P 5B000000  Notification target: DX900 S5 DX8700 S3 DX8900 S4/S3	2	5B000000	-	FE Intake temperature sensor Fault	Parts Error
				Intake temperature error (sensor failure) has been detected in FE.	

**Table 15 Error Messages (Event Type Code: P 60SSMMxx through P 61SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 60SSMM00  Notification target: DX8700 S3 DX8900 S3	2	6000MM00	-	SVC#n Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				SVC is disconnected. SS: Component subtype MM: SVC module ID (30 - 31) r: SVC number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	
P 60SSMM00  Notification target: DX900 S5 DX8900 S4	2	6000MM00	-	SVC#n Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				SVC is disconnected. SS: Component subtype MM: SVC module ID (30 - 31) r: SVC number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 61SSMMPP  Notification target: DX8700 S3 DX8900 S3	2	6100MMPP	-	SVC#n PORT#pp Fault <pppppppppppp ssssssssss rrrrr>	Parts Error
				SVC port is disconnected. SS: Component subtype MM: SVC module ID (30 - 31) PP: Port number (00 - 17 (hexadecimal)) r: SVC number (0 - 1) pp: Port number (00 - 23 (decimal)) pp...: Component number ss...: Serial number rr...: Version	

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Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 61SSMMPP  Notification target: DX900 S5 DX8900 S4	2	6100MMPP	-	SVC# <i>n</i> PORT# <i>pp</i> Fault <pppppppppppp ssssssssss rrrrr> fac( <i>ffff</i> )  SVC port is disconnected. SS: Component subtype MM: SVC module ID (30 - 31) PP: Port number (00 - 17 (hexadecimal)) n: SVC number (0 - 1) pp: Port number (00 - 23 (decimal)) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error

**Table 16 Error Messages (Event Type Code: P 7000Jjxx through P 74000nxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 7000J00  Notification target: DX8700 S3 DX8900 S3	2	7000J00	-	CE# <i>jj</i> Fault <pppppppppppp ssssssssss rrrrr>  CE is disconnected. Jj: CE number (00 - 0B) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 7000J00  Notification target: DX900 S5 DX8900 S4	2	7000J00	-	CE# <i>jj</i> Fault <pppppppppppp ssssssssss rrrrr> fac( <i>ffff</i> )  CE is disconnected. Jj: CE number (00 - 0B) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error
P 72SSJ00  Notification target: DX8700 S3 DX8900 S3	2	7200J00	-	PANEL UNIT (on CE# <i>jj</i> ) Fault <pppppppppppp ssssssssss rrrrr>  CE panel is disconnected. SS: Component subtype Jj: CE number (00 - 0B) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 72SSJ00  Notification target: DX900 S5 DX8900 S4	2	7200J00	-	PANEL UNIT (on CE# <i>jj</i> ) Fault <pppppppppppp ssssssssss rrrrr> fac( <i>ffff</i> )  CE panel is disconnected. SS: Component subtype Jj: CE number (00 - 0B) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error

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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 73000 <i>n</i> 00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	73000 <i>n</i> 00	-	Power Supply Unit/CPSU# <i>n</i> Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> >	Parts Error
				CE PSU is disconnected. <i>r</i> : CPSU slot number (0 – 1) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
P 73000 <i>n</i> 00  Notification target: AF650 S3 DX500 S5/DX600 S5 DX8100 S4	2	73000 <i>n</i> 00	-	Power Supply Unit/CPSU# <i>n</i> Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> > fac( <i>ffff</i> )	Parts Error
				CE PSU is disconnected. <i>r</i> : CPSU slot number (0 – 1) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 7300/ <i>0n</i>  Notification target: DX8700 S3 DX8900 S3	2	7300/ <i>0n</i>	-	Power Supply Unit/CPSU# <i>n</i> (on CE# <i>jj</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> >	Parts Error
				CE PSU is disconnected. <i>jj</i> : CE number (00 - 0B) <i>r</i> : CPSU slot number (0 – 1) <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
P 7300/ <i>0n</i>  Notification target: DX900 S5 DX8900 S4	2	7300/ <i>0n</i>	-	Power Supply Unit/CPSU# <i>n</i> (on CE# <i>jj</i> ) Fault < <i>pppppppppppp</i> <i>ssssssssss rrrr</i> > fac( <i>ffff</i> )	Parts Error
				CE PSU is disconnected. <i>jj</i> : CE number (00 - 0B) <i>r</i> : CPSU slot number (0 – 1) <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
P 74000 <i>n</i> 00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	74000 <i>n</i> 00	-	SCCB# <i>n</i> Fault	Parts Error
				SCCB is disconnected. <i>r</i> : SCCB slot number (0 – 1)	
P 74000 <i>n</i> 00  Notification target: DX900 S5 DX8100 S4 DX8900 S4	2	74000 <i>n</i> 00	-	SCCB# <i>n</i> Fault fac( <i>ffff</i> )	Parts Error
				SCCB is disconnected. <i>r</i> : SCCB slot number (0 – 1) <i>ffff</i> : Factor code	

1. Event Notification Message List  
Message List

**Table 17 Error Messages (Event Type Code: P 75000n00 through P 7800Jnnp)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 75000n00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	75000n00	-	BCU#n Fault <pppppppppppp ssssssssss rrrr>  BCU is disconnected. n: BCU slot number (0 - 2) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 75000n00  Notification target: AF650 S3 DX500 S5/DX600 S5 DX8100 S4	2	75000n00	-	BCU#n Fault <pppppppppppp ssssssssss rrrr> fac(ffff)  BCU is disconnected. n: BCU slot number (0 - 2) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error
P 7500J0n  Notification target: DX8700 S3 DX8900 S3	2	7500J0n	-	BCU#n (on CE#jj) Fault <pppppppppppp ssssssssss rrrr>  BCU is disconnected. jj: CE number (00 - 0B) n: BCU slot number (0 - 2) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 7500J0n  Notification target: DX900 S5 DX8900 S4	2	7500J0n	-	BCU#n (on CE#jj) Fault <pppppppppppp ssssssssss rrrr> fac(ffff)  BCU is disconnected. jj: CE number (00 - 0B) n: BCU slot number (0 - 2) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error
P 76000n00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3	2	76000n00	-	BTU#n Fault <pppppppppppp ssssssssss rrrr>  BTU is disconnected. n: BTU slot number (0 - 2) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 76000n00  Notification target: AF650 S3 DX500 S5/DX600 S5 DX8100 S4	2	76000n00	-	BTU#n Fault <pppppppppppp ssssssssss rrrr> fac(ffff)  BTU is disconnected. n: BTU slot number (0 - 2) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error
P 7600J0n  Notification target: DX8700 S3 DX8900 S3	2	7600J0n	-	BTU#n (on CE#jj) Fault <pppppppppppp ssssssssss rrrr>  BTU is disconnected. jj: CE number (00 - 0B) n: BTU slot number (0 - 2) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Error

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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 7600/J0n  Notification target: DX900 S5 DX8900 S4	2	7600/J0n	-	BTU#n (on CE#jj) Fault <pppppppppppp ssssssssss rrrr> fac(ffff)  BTU is disconnected. jj: CE number (00 - 0B) r: BTU slot number (0 - 2) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error
P 7700/MM0n  Notification target: DX500 S4/S3 DX600 S4/S3	2	7700/MM0n	-	Controller Module#m(zz) HHL PFM#n Fault <pppppppppppp ssssssssss rrrr>  PFM is disconnected. MM: CM module ID (10 - 11) r: PFM slot number (0 - 1) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 7700/MM0n  Notification target: DX8700 S3 DX8900 S3	2	7700/MM0n	-	Controller Module#m(zz) (on CE#jj) HHL PFM#n Fault <pppppppppppp ssssssssss rrrr>  PFM is disconnected. MM: CM module ID (10 - 1B, 20 - 2B) r: PFM slot number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 7700000n  Notification target: DX500 S5/DX600 S5	2	7700000n	-	PFM#n Fault <pppppppppppp ssssssssss rrrr> fac(ffff)  PFM is disconnected. r: PFM slot number (0 - 7) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error
P 7700/J0n  Notification target: DX900 S5 DX8900 S4	2	7700/J0n	-	PFM#n (on CE#jj) Fault <pppppppppppp ssssssssss rrrr> fac(ffff)  PFM is disconnected. jj: CE number (00 - 0B) r: PFM slot number (0 - 7) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Error

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 780000 $np$  Notification target: DX500 S5/DX600 S5	2	780000 $np$	-	PFM# $n$ PORT# $p$ Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				PFM port is disconnected. n: CPSU slot number (0 – 1) p: Port number (0 – 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 7800J $np$  Notification target: DX900 S5 DX8900 S4	2	7800J $np$	-	PFM# $n$ PORT# $p$ (on CE# $jj$ ) Fault <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				PFM port is disconnected. Jj: CE number (00 - 0B) n: CPSU slot number (0 – 1) p: Port number (0 – 3) Jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	

**Table 18 Error Messages (Event Type Code: P 7A0000xx through P 7B00Jxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 7A000000  Notification target: AF650 S3/S2 AF650 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4	6	7A000000	2	CE Exhaust temperature Fatal	Temperature Error
				Exhaust temperature error (fatal error) has been detected in CE.	
P 7A000000  Notification target: AF650 S3/S2 AF650 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4	2	7A000000	-	CE Exhaust temperature sensor Fault	Parts Error
				Exhaust temperature error (sensor failure) has been detected in CE.	
P 7A00J00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	6	7A00J00	2	CE Exhaust temperature CE# $jj$ Fatal	Temperature Error
				Exhaust temperature error (fatal error) has been detected in CE. Jj: CE number (00 - 0B) Jj: CE number (00 - 0b)	
P 7A00J00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	2	7A00J00	-	CE Exhaust temperature sensor CE# $jj$ Fault	Parts Error
				Exhaust temperature error (sensor failure) has been detected in CE. Jj: CE number (00 - 0B) Jj: CE number (00 - 0b)	

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 7B000000  Notification target: AF650 S3/S2 AF650 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4	2	7B000000	-	CE Intake temperature sensor Fault	Parts Error
				Intake temperature error (sensor failure) has been detected in CE.	
P 7B00/J00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	2	7B00/J00	-	CE Intake temperature sensor CE#jjFault	Parts Error
				Intake temperature error (sensor failure) has been detected in CE. jj: CE number (00 - 0B) jj: CE number (00 - 0b)	

**Table 19 Error Messages (Event Type Code: P 80SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 80SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	2	8000uuNN	-	HDD 3.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) Redundant Copy end (hhh) <pppppppppppp sssssssssss rrrr ttttt qq	Complete Redundant Copy
				Redundant copy of a HDD is complete. SS: Component subtype uu: DE-ID NN: Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nn: Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level) hhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Complete Redundant Copy of HDD Shield



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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 80SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	2	8000uuNN	-	HDD 3.5 DE# <i>uu</i> -Disk# <i>nn</i> (SAS <i>xxx</i> GB <i>yy</i> krpm <i>ccccc</i> ) Fault ( <i>hhh</i> ) < <i>pppppppppppp ssssssssssss rrrr tttttt qq</i> >	Drive Error  Drive Error of HDD Shield
				HDD is disconnected. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) <i>nn</i> : Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) <i>xxx</i> : Disk capacity (GB/TB) <i>yy</i> : Disk speed <i>cc...</i> : Disk information (RAID level or hot spare (Spare)) <i>hhh</i> (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	
P 80SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	2	8000uuNN	-	HDD 3.5 DE# <i>uu</i> -Disk# <i>nn</i> (SAS <i>xxx</i> GB <i>yy</i> krpm <i>ccccc</i> ) Failed Usable ( <i>hhh</i> ) < <i>pppppppppppp ssssssssssss rrrr tttttt qq</i> >	Drive Error
				HDD is disconnected. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) <i>nn</i> : Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) <i>xxx</i> : Disk capacity (GB/TB) <i>yy</i> : Disk speed <i>cc...</i> : Disk information (RAID level or hot spare (Spare)) <i>hhh</i> (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 80SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	2	8000uuNN	-	HDD 3.5 DE#uu-Disk#nn(SAS xxxGB ykrpm cccccc) Slow Down (hhh) <pppppppppppp ssssssssss rrrr tttttt qq>  Disk performance error has been detected. HDD is disconnected.  SS: Component subtype uu: DE-ID NN: Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nn: Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Error

\*1: This item is displayed for V10L20 or later.

**Table 20 Error Messages (Event Type Code: P 81SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 81SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB ykrpm cccccc) Redundant Copy end (hhh) <pppppppppppp ssssssssss rrrr tttttt qq>  Redundant copy of a HDD is complete.  SS: Component subtype uu: DE-ID NN: Disk slot number (0 - 17 (hexadecimal)) nn: Disk slot number (0 - 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level) hhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Complete Redundant Copy  Complete Redundant Copy of HDD Shield

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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 81SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) Fault (hhh) <ppppppppppp ssssssssss rrrr tttttt qq>	Drive Error  Drive Error of HDD Shield
				HDD is disconnected. SS: Component subtype uu: DE-ID NN: Disk slot number (0 – 17 (hexadecimal)) nn: Disk slot number (0 – 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	
P 81SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) Failed Usable (hhh) <ppppppppppp ssssssssss rrrr tttttt qq>	Drive Error
				HDD is disconnected. SS: Component subtype uu: DE-ID NN: Disk slot number (0 – 17 (hexadecimal)) nn: Disk slot number (0 – 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	
P 81SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) Slow Down (hhh) <ppppppppppp ssssssssss rrrr tttttt qq>	Drive Error
				Disk performance error has been detected. HDD is disconnected. SS: Component subtype uu: DE-ID NN: Disk slot number (0 – 17 (hexadecimal)) nn: Disk slot number (0 – 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	

\*1: This item is displayed for V10L20 or later.

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**Table 21 Error Messages (Event Type Code: P 84SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 84SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	8000uuNN	-	SSD 3.5 DE#uu-Slot#nn(SAS xxxGB cccccc) Redundant Copy end (hhh) <pppppppppppp ssssssssssss rrrr>	Complete Redundant Copy  Complete Redundant Copy of HDD Shield
				Redundant copy of a 3.5" SSD is complete. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : SSD slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) <i>nn</i> : SSD slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) <i>xxx</i> : SSD capacity (GB/TB) <i>cc...</i> : SSD information (RAID level) <i>hhh</i> (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
P 84SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	8000uuNN	-	SSD 3.5 DE#uu-Slot#nn(SAS xxxGB cccccc) Fault (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Error  Drive Error of HDD Shield
				SSD is disconnected. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : SSD slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) <i>nn</i> : SSD slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) <i>xxx</i> : SSD capacity (GB/TB) <i>cc...</i> : SSD information (RAID level or hot spare (Spare)) <i>hhh</i> (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	
P 84SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	8000uuNN	-	SSD 3.5 DE#uu-Slot#nn(SAS xxxGB cccccc) Failed Usable (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Error
				SSD is disconnected. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : SSD slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) <i>nn</i> : SSD slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) <i>xxx</i> : SSD capacity (GB/TB) <i>cc...</i> : SSD information (RAID level or hot spare (Spare)) <i>hhh</i> (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	

\*1: This item is displayed for V10L20 or later.

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**Table 22 Error Messages (Event Type Code: P 85SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 85SSuuNN  Notification target: AF150 S3/AF250 S3 AF250 S2/AF250 AF650 S3 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	SSD 2.5 DE#uu-Slot#nn(SAS xxxGB cccccc) Redundant Copy end (hhh) <pppppppppppp ssssssssssss rrrr>	Complete Redundant Copy
				Redundant copy of a 2.5" SSD is complete. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : SSD slot number (0 - 17 (hexadecimal)) <i>nr</i> : SSD slot number (0 - 23 (decimal)) <i>xxx</i> : SSD capacity (GB/TB) <i>cc...</i> : SSD type (RAID level) <i>hhh</i> (*1): DE type (DE: 2.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Complete Redundant Copy of HDD Shield
P 85SSuuNN  Notification target: AF150 S3/AF250 S3 AF250 S2/AF250 AF650 S3 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	SSD 2.5 DE#uu-Slot#nn(SAS xxxGB cccccc) Fault (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Error
				SSD is disconnected. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : SSD slot number (0 - 17 (hexadecimal)) <i>nr</i> : SSD slot number (0 - 23 (decimal)) <i>xxx</i> : SSD capacity (GB/TB) <i>cc...</i> : SSD information (RAID level or hot spare (Spare)) <i>hhh</i> (*1): DE type (DE: 2.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	Drive Error of HDD Shield
P 85SSuuNN  Notification target: AF150 S3/AF250 S3 AF250 S2/AF250 AF650 S3 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	SSD 2.5 DE#uu-Slot#nn(SAS xxxGB cccccc) Failed Usable (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Error
				SSD is disconnected. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : SSD slot number (0 - 17 (hexadecimal)) <i>nr</i> : SSD slot number (0 - 23 (decimal)) <i>xxx</i> : SSD capacity (GB/TB) <i>cc...</i> : SSD information (RAID level or hot spare (Spare)) <i>hhh</i> (*1): DE type (DE: 2.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	

\*1: This item is displayed for V10L20 or later.

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**Table 23 Error Messages (Event Type Code: P 88SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 88SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	2	8000uuNN	-	HDD 3.5 DE#uu-Disk#nn(SAS xxxGB ykrpm cccccc) Fault (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Error
				HDD is disconnected. SS: Component subtype uu: DE-ID NN: Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nr: Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	
P 88SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB ykrpm cccccc) Fault (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Error
				HDD is disconnected. SS: Component subtype uu: DE-ID NN: Disk slot number (0 - 17 (hexadecimal)) nr: Disk slot number (0 - 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	
P 88SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	8000uuNN	-	SSD 3.5 DE#uu-Slot#nn(SAS xxxGB cccccc) Fault (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Error
				SSD is disconnected. SS: Component subtype uu: DE-ID NN: SSD slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nr: SSD slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: SSD capacity (GB/TB) cc...: SSD information (RAID level or hot spare (Spare)) hhhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	

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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 88SSuuNN  Notification target: AF250 S2/AF250 AF650 S3 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	8000uuNN	-	SSD 2.5 DE#uu-Slot#nn(SAS xxxGB cccccc) Fault (hhhh) <pppppppppppp ssssssssssss rrrr tttttt qq>  SSD is disconnected. SS: Component subtype uu: DE-ID NN: SSD slot number (0 – 17 (hexadecimal)) nr: SSD slot number (0 – 23 (decimal)) xxx: SSD capacity (GB/TB) cc...: SSD information (RAID level or hot spare (Spare)) hhhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Error

\*1: This item is displayed for V10L20 or later.

**Table 24 Error Messages (Event Type Code: P 90SSuux through P 9ASSuux)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 90SSuu0n  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	9000uu0n	-	IOM DE#uu/IOM#n Fault <pppppppppppp ssssssssss rrrr>  IOM is disconnected. SS: Component subtype uu: DE-ID r: IOM number (0 – 1) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P 90SSuu0n  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	2	9000uu0n	-	IOM DE#uu/IOM#n Fault <pppppppppppp ssssssssss rrrr> fac(fff)  IOM is disconnected. SS: Component subtype uu: DE-ID r: IOM number (0 – 1) pp...: Component number ss...: Serial number rr...: Version fff: Factor code	Parts Error
P 91SSuunp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	9100uunp	-	IOM Port DE#uu/IOM#n/Port#p Fault <pppppppppppp sssssssssss rrrr>  IOM port is disconnected. SS: Component subtype uu: DE-ID r: IOM number (0 – 1) p: Port number (0 – 1) pp...: Component number ss...: Serial number rr...: Version	Parts Error

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Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P 91SSuunp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	2	9100uunp	-	IOM Port DE#uu/IOM#n/Port#p Fault <ppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Error
				IOM port is disconnected. SS: Component subtype uu: DE-ID rr: IOM number (0 – 1) pp: Port number (0 – 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P 9ASSuunp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	9A00uunp	-	IOM mini SAS HD DE#uu/IOM#n/Port#p Fault <ppppppppppppppppppp ssssssssssssssss rrrr 00000000>	Parts Error
				IOM mini SAS HD is disconnected. SS: Component subtype uu: DE-ID rr: IOM number (0 – 1) pp: Port number (0 – 1) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information	
P 9ASSuunp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	2	9A00uunp	-	IOM mini SAS HD DE#uu/IOM#n/Port#p Fault <ppppppppppppppppppp ssssssssssssssss rrrr 00000000> fac(ffff)	Parts Error
				IOM mini SAS HD is disconnected. SS: Component subtype uu: DE-ID rr: IOM number (0 – 1) pp: Port number (0 – 1) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information ffff: Factor code	

**Table 25 Error Messages (Event Type Code: P A0SSuuxx through P DBSSuuxx)**

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P A0SSuu0n  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	2	A000uu0n	-	FEM DE#uu/FEM#n Fault <ppppppppppp ssssssssss rrrrr>	Parts Error
				FEM is disconnected. SS: Component subtype uu: DE-ID rr: FEM slot number (0 – 1) pp...: Component number ss...: Serial number rr...: Version	



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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P A0.SSuu0n  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	2	A000uu0n	-	FEM DE#uu/FEM#n Fault <pppppppppppp ssssssssss rrrr> fac(ffff)	Parts Error
				FEM is disconnected. SS: Component subtype uu: DE-ID r: FEM slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P A1.SSuunp  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	2	A100uunp	-	FEM Port DE#uu/FEM#n/Port#p Fault <pppppppppppp ssssssssss rrrr>	Parts Error
				FEM port is disconnected. SS: Component subtype uu: DE-ID r: FEM slot number (0 - 1) p: Device port number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	
P A1.SSuunp  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	2	A100uunp	-	FEM Port DE#uu/FEM#n/Port#p Fault <pppppppppppp ssssssssss rrrr> fac(ffff)	Parts Error
				FEM port is disconnected. SS: Component subtype uu: DE-ID r: FEM slot number (0 - 1) p: Device port number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
P A2.SSuunv  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	2	A200uunv	-	FEM EXP DE#uu/FEM#n/EXP#v Fault <pppppppppppp ssssssssss rrrr>	Parts Error
				FEM EXP is disconnected. SS: Component subtype uu: DE-ID r: FEM slot number (0 - 1) v: Device number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	
P A2.SSuunv  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	2	A200uunv	-	FEM EXP DE#uu/FEM#n/EXP#v Fault <pppppppppppp ssssssssss rrrr> fac(ffff)	Parts Error
				FEM EXP is disconnected. SS: Component subtype uu: DE-ID r: FEM slot number (0 - 1) v: Device number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P D2.SSuu0n  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100S4/S3 DX200S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	2	D200uu0n	-	Power Supply Unit DE#uu/PSU#n Fault <pppppppppppp ssssssssss rrrr>  PSU is disconnected. SS: Component subtype uu: DE-ID n: PSU slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P D2.SSuu0n  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	2	D200uu0n	-	Power Supply Unit DE#uu/PSU#n Fault <pppppppppppp ssssssssss rrrr> fac(fff)  PSU is disconnected. SS: Component subtype uu: DE-ID n: PSU slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version fff: Factor code	Parts Error
P D3.SSuu0n  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	2	D300uu0n	-	Power Supply Unit HDDE#uu/PSU#n Fault <pppppppppppp sssssssss rrrr>  PSU is disconnected. SS: Component subtype uu: DE-ID n: PSU slot number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	Parts Error
P D3.SSuu0n  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	2	D300uu0n	-	Power Supply Unit HDDE#uu/PSU#n Fault <pppppppppppp sssssssss rrrr> fac(fff)  PSU is disconnected. SS: Component subtype uu: DE-ID n: PSU slot number (0 - 3) pp...: Component number ss...: Serial number rr...: Version fff: Factor code	Parts Error
P DASSuu00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	6	DA00uu00	2	DE Exhaust temperature DE#uu Fatal  Exhaust temperature error (fatal error) has been detected in CE or DE. SS: Component subtype uu: DE-ID	Temperature Error

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Error Severity Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
P DASS <u>uu</u> 00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	DA00 <u>uu</u> 00	-	DE Exhaust temperature sensor DE# <u>uu</u> Fault	Parts Error
				Exhaust temperature error (sensor failure) has been detected in CE or DE. <i>SS</i> : Component subtype <i>uu</i> : DE-ID	
P DBSS <u>uu</u> 00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	2	DB00 <u>uu</u> 00	-	DE Intake temperature sensor DE# <u>uu</u> Fault	Parts Error
				Intake temperature error (sensor failure) has been detected in CE or DE. <i>SS</i> : Component subtype <i>uu</i> : DE-ID	

## Error Messages (When the Event Type is "M")

This section describes the messages for "M" type events that are sent when the severity is "Error". The following messages are sent when an event that requires maintenance occurs.

### Note

- The types of messages that are notified vary depending on the event notification setting.
- Depending on the items enabled for Error Severity Level of the event notification setting, a message is notified when an error occurs in the target component.
- Message notifications are suppressed during maintenance operations.

**Table 26 Error Messages (Event Type Code: M 0732MMxx through M 13E000xx)**

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M 0732/MMPP  Notification target: AF150 S3/AF250 S3 AF250 S2/AF250 AF650 S3 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	7	0732/MMPP	Remote Copy Path (CM#xxCA#yyPORT#zz) Not Available	Remote Path Error
			Disconnection of a REC path between cabinets has been detected. MM: CA module ID (40 - 7F) PP: Port number (00 or 01) xx: CM number yy: CA slot number (0 - 1) zz: Port number (0 - 1)	
M 0732/MMPP  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	7	0732/MMPP	Remote Copy Path (CE#wwCM#xxCA#yyPORT#zz) Not Available	Remote Path Error
			Disconnection of a REC path between cabinets has been detected. MM: CA module ID (40 - FF) PP: Port number (00 or 01) ww: CE number (00 - 0b) xx: CM number yy: CA slot number (0 - 3) zz: Port number (0 - 3)	
M 13CE0001  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	13CE0001	Error session was detected. (Local:xxxxRemote:xxxx)	Copy Session Error
			Errors have been detected in the copy sessions. xxxx: Number of copy sessions in error status	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M 13CE0002  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	13CE0002	Foreseen error session was detected. (Local:xxxxx Remote:xxxxx)	Copy Session Error
			Errors during suspension in the copy sessions have been detected. xxxxx: Number of copy sessions in error status during suspension	
M 13CE0003  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	13CE0003	Halt session was detected. (Remote:xxxxx)	Copy Session Error
			The copy sessions are in halt status. xxxxx: Number of copy sessions that are halted	
M 13CE0004  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	13CE0004	Error session was cleared.	Copy Session Error
			Errors in the copy sessions have been cleared. The copy sessions are in normal status.	
M 13CE0005  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	13CE0005	Foreseen error session was cleared.	Copy Session Error
			Errors during suspension in the copy sessions have been cleared. The copy sessions are in normal status.	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M 13CE0006  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	13CE0006	Halt session was cleared.  Halt status in the copy session has been removed. The copy sessions are in normal status.	Copy Session Error
M 13CF11.xx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	13CF11.xx	REC Buffer HALT occurred.(xx)  Occurrence of HALT in the REC Buffer has been detected. xx: 00, 01, or 02 00: Path error 01: Overload 02: Error	REC Buffer Halt (Path Error)  REC Buffer Halt (Overload)  REC Buffer Halt (Other Error)
M 13D20001  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	11	13D20001	Storage Cluster Controller Disconnected. (GroupID xx)  When the Storage Cluster controller is set, a communication error for the storage system set as a pair has been detected. xx: Storage Cluster Group ID (decimal)	Disconnect Storage Cluster Controller
M 13E00001  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	13E00001	Error snapshot session was detected.(x)  The snapshot session error has been detected. x: Number of copy sessions in error status (decimal)	-

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M 13E00002	7	13E00002	Error fastclone session was detected. (x)	-
Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3			The fastclone session error has been detected. x: Number of copy sessions in error status (decimal)	

**Table 27 Error Messages (Event Type Code: M 21810xxx through M A4C30xxx)**

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M 21810xxx	7	21810xxx	RAID Group#0xxx recovered end of Rebuild processing	Complete rebuild
Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3			Rebuild to the hot spare or the replaced drive is complete, but Bad Data (data lost identifier) exists. xxx: RAID group number (hexadecimal)	
M A0110xxx	7	A0110xxx	RAID Group#0xxx start failure of Rebuild processing	Rebuild/Copyback w/o redundant
Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3			Rebuild to the hot spare has not started. xxx: RAID group number (hexadecimal)	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M A0410xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A0410xxx	RAID Group#0xxx start procedure of Rebuild processing	Rebuild/Copyback w/o redundant
			Rebuild to the hot spare has started. xxx: RAID group number (hexadecimal)	
M A0810xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A0810xxx	RAID Group#0xxx normal end of Rebuild processing	Rebuild/Copy-back w/ redundant
			Rebuild to the hot spare is complete. xxx: RAID group number (hexadecimal)	
M A0A10xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A0A10xxx	RAID Group#0xxx abnormal end of Rebuild processing because of source disk problem	Rebuild/Copy-back w/o redundant
			Rebuild to the hot spare is halted because an error is found in the copy source drive. xxx: RAID group number (hexadecimal)	
M A0B10xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A0B10xxx	RAID Group#0xxx abnormal end of Rebuild processing	Rebuild/Copy-back w/o redundant
			Rebuild to the hot spare is halted. xxx: RAID group number (hexadecimal)	



1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M A0C10xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A0C10xxx	RAID Group#0xxx retry procedure of Rebuild processing	Rebuild/Copy-back w/o redundant
			Rebuild to the hot spare is retried. xxx: RAID group number (hexadecimal)	
M A1410xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A1410xxx	RAID Group#0xxx start procedure of Rebuild processing	Rebuild/Copy-back w/ redundant
			Rebuild to the replaced drive has started. xxx: RAID group number (hexadecimal)	
M A1810xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A1810xxx	RAID Group#0xxx normal end of Rebuild processing	Rebuild/Copy-back w/ redundant
			Rebuild to the replaced drive is complete. xxx: RAID group number (hexadecimal)	
M A1A10xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A1A10xxx	RAID Group#0xxx abnormal end of Rebuild processing because of source disk problem	Rebuild/Copy-back w/o redundant
			Rebuild to the replaced drive is halted because an error is found in the copy source drive. xxx: RAID group number (hexadecimal)	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M A1B10.xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A1B10.xxx	RAID Group#0xxx abnormal end of Rebuild processing	Rebuild/Copy-back w/o redundant
			Rebuild to the replaced drive is abnormally ended. xxx: RAID group number (hexadecimal)	
M A1C10.xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A1C10.xxx	RAID Group#0xxx retry procedure of Rebuild processing	Rebuild/Copy-back w/o redundant
			Rebuild to the replaced drive is retried. xxx: RAID group number (hexadecimal)	
M A3420.xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A3420.xxx	RAID Group#0xxx start procedure of Copyback processing	Rebuild/Copy-back w/ redundant
			Copyback to the replaced drive is being performed. xxx: RAID group number (hexadecimal)	
M A3820.xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A3820.xxx	RAID Group#0xxx normal end of Copyback processing	Rebuild/Copy-back w/ redundant
			Copyback to the replaced drive is complete. xxx: RAID group number (hexadecimal)	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M A3A20xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A3A20xxx	RAID Group#0xxx abnormal end of Copyback processing because of source disk problem	Rebuild/Copy-back w/o redundant
			Copyback to the replaced drive is halted because an error is found in the copy source drive. xxx: RAID group number (hexadecimal)	
M A3B20xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A3B20xxx	RAID Group#0xxx abnormal end of Copyback processing	Rebuild/Copy-back w/o redundant
			Copyback to the replaced drive is halted. xxx: RAID group number (hexadecimal)	
M A3C20xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A3C20xxx	RAID Group#0xxx retry procedure of Copyback processing	Rebuild/Copy-back w/o redundant
			Copyback to the replaced drive is retried. xxx: RAID group number (hexadecimal)	
M A4130xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A4130xxx	RAID Group#0xxx start failure of Redundant Copy processing	Redundant
			Redundant copy has not started. xxx: RAID group number (hexadecimal)	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M A4430xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A4430xxx	RAID Group#0xxx start procedure of Redundant Copy processing	Redundant
			Redundant copy is being performed. xxx: RAID group number (hexadecimal)	
M A4A30xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A4A30xxx	RAID Group#0xxx abnormal end of Redundant Copy processing because of source disk problem	Redundant
			Redundant copy to the replaced drive is halted because an error is found in the copy source drive. xxx: RAID group number (hexadecimal)	
M A4B30xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A4B30xxx	RAID Group#0xxx abnormal end of Redundant Copy processing	Redundant
			Redundant copy is halted. xxx: RAID group number (hexadecimal)	
M A4C30xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A4C30xxx	RAID Group#0xxx retry procedure of Redundant Copy processing	Redundant
			Redundant copy is retried. xxx: RAID group number (hexadecimal)	

1. Event Notification Message List  
Message List

**Table 28 Error Messages (Event Type Code: M A7SSuuxx)**

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
<b>M A7SSuuxx</b>  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A7SSuuxx	HDD 3.5 DE# <i>uu</i> -Disk# <i>nn</i> (SAS <i>xxx</i> GB <i>yy</i> krpm <i>cccccc</i> ) HDD Shield completed ( <i>hhh</i> ) < <i>pppppppppppp ssssssssssss rrrr tttttt qq</i> >	Succeeded HDD Shield
			HDD Shield completed successfully. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) <i>nn</i> : Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) <i>xxx</i> : Disk capacity (GB/TB) <i>yy</i> : Disk speed <i>cc...</i> : Disk information (RAID level) <i>hhh</i> (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	
<b>M A7SSuuxx</b>  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A7SSuuxx	HDD 2.5 DE# <i>uu</i> -Disk# <i>nn</i> (SAS <i>xxx</i> GB <i>yy</i> krpm <i>cccccc</i> ) HDD Shield completed ( <i>hhh</i> ) < <i>pppppppppppp ssssssssssss rrrr tttttt qq</i> >	Succeeded HDD Shield
			HDD Shield completed successfully. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : Disk slot number (0 - 17 (hexadecimal)) <i>nn</i> : Disk slot number (0 - 23 (decimal)) <i>xxx</i> : Disk capacity (GB/TB) <i>yy</i> : Disk speed <i>cc...</i> : Disk information (RAID level) <i>hhh</i> (*1): DE type (DE: 2.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	
<b>M A7SSuuxx</b>  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	7	A7SSuuxx	SSD 3.5 DE# <i>uu</i> -Slot# <i>nn</i> (SAS <i>xxx</i> GB <i>cccccc</i> ) HDD Shield completed ( <i>hhh</i> ) < <i>pppppppppppp ssssssssssss rrrr tttttt qq</i> >	Succeeded HDD Shield
			HDD Shield completed successfully. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) <i>nn</i> : Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) <i>xxx</i> : Disk capacity (GB/TB) <i>yy</i> : Disk speed <i>cc...</i> : Disk information (RAID level) <i>hhh</i> : DE type (HDDE: high-density DEs, DE: 3.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M A7SSuuNN  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	A7SSuuNN	SSD 2.5 DE# <i>uu</i> -Slot# <i>nn</i> (SAS <i>xxx</i> GB <i>ccccc</i> ) HDD Shield completed ( <i>hhhh</i> ) < <i>pppppppppppp</i> <i>sssssssssss</i> <i>rrr</i> <i>ttttt</i> <i>qq</i> >  HDD Shield completed successfully. <i>SS</i> : Component subtype <i>uu</i> : DE-ID <i>NN</i> : Disk slot number (0 - 17 (hexadecimal)) <i>nn</i> : Disk slot number (0 - 23 (decimal)) <i>xxx</i> : Disk capacity (GB/TB) <i>yy</i> : Disk speed <i>cc...</i> : Disk information (RAID level) <i>hhhh</i> : DE type (DE: 2.5" type DEs) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>tt...</i> : Data code <i>qq</i> : Configuration code	Succeeded HDD Shield

\*1: This item is displayed for V10L20 or later.

**Table 29 Error Messages (Event Type Code: M E0050xxx through M E1FF00xx)**

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E0050xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E0050xxx	WRITE BAD DATA  Writing of Bad Data (data lost identifier) occurred. <i>xxx</i> : RAID group number (hexadecimal)	Bad data
M E10300xx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	7	E10300xx	PINNED DATA was created CM# <i>m</i>  The pinned data occurred. <i>xx</i> : CM module ID (10 – 11) in which the pinned data occurred <i>m</i> : CM number (0 – 1) in which the pinned data occurred	Pinned data
M E10300xx  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	7	E10300xx	PINNED DATA was created CM# <i>m</i> (on CE# <i>jj</i> )  The pinned data occurred. <i>xx</i> : CM module ID (10 – 1B, 20 – 2B) in which the pinned data occurred <i>m</i> : CM number (0 – 1) in which the pinned data occurred <i>jj</i> : CE number (00 - 0b)	Pinned data

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E1FF00xx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	7	E1FF00xx	PINNED DATA was cleared CM# <i>m</i>  The pinned data has been cleared.(*1) <i>xx</i> : CM module ID (10- 11) from which the pinned data has been cleared <i>m</i> : CM number (0 - 1) from which the pinned data has been cleared	Pinned data
M E1FF00xx  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	7	E1FF00xx	PINNED DATA was cleared CM# <i>m</i> (on CE# <i>jj</i> )  The pinned data has been cleared.(*1) <i>xx</i> : CM module ID (10 - 1B, 20 - 2B) from which the pinned data has been cleared <i>m</i> : CM number (0 - 1) from which the pinned data has been cleared <i>jj</i> : CE number (00 - 0b)	Pinned data

\*1: Although this message is notified as an error message, no further action is required because this message simply means that pinned data has been cleared (normal).

**Table 30 Error Messages (Event Type Code: M E20700xx)**

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E2070001  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070001	NOT READY(01:Configuration Error)  The device is in Not Ready status. Shipment settings (model setting) and configurations are not applied.	Not Ready
M E2070002  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070002	NOT READY(02:CM F/W Version Error)  The device is in Not Ready status. Firmware version for the CM is not correct.	Not Ready

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E2070004  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070004	NOT READY(04:Restore Fail)	Not Ready
			The device is in Not Ready status. Backup is successfully complete, but the restoration cannot be performed.	
M E207000B  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207000B	NOT READY(11:Power Off/Fail Incomplete)	Not Ready
			The device is in Not Ready status. Failed to power off. Or the device power turns off immediately after the device powers on.	
M E207000C  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207000C	NOT READY(12:Backup Fail)	Not Ready
			The device is in Not Ready status. Backup failed.	
M E207000D  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207000D	NOT READY(13:Multi CM Down)	Not Ready
			The device is in Not Ready status. Adjoining CMs with LUs are degraded.	



1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E207000E  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207000E	NOT READY(14:Machine Down Recovery End)  The device is in Not Ready status. Machine down recovery is performed.	Not Ready
M E207000F  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207000F	NOT READY(15:Machine Down Recovery Failed)  The device is in Not Ready status. Failed to perform machine down recovery.	Not Ready
M E2070010  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070010	NOT READY(16:DE Build Error)  The device is in Not Ready status. Failed to configure DE because of mini SAS HD cable errors or FC cable errors.	Not Ready
M E2070011  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070011	NOT READY(17:CM Memory Shortage)  The device is in Not Ready status. Memory capacities are smaller than the minimum value in multiple CMs.	Not Ready

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E2070013  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070013	NOT READY(19:FRT Fault)	Not Ready
			The device is in Not Ready status. All FRTs are in Error status.	
M E2070015  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070015	NOT READY(21:Auto CFD)	Not Ready
			The device is in Not Ready status. Automatic CFD is performed.	
M E2070016  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070016	NOT READY(22:No Version)	Not Ready
			The device is in Not Ready status. The version table is invalid.	
M E2070017  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070017	NOT READY(23:AC Input Shortage)	Not Ready
			The device is in Not Ready status. AC power input is insufficient.	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E2070018  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070018	NOT READY(24:Configuration Data restored from System Area)  The device is in Not Ready status. Configuration information is restored using the backup area due to the replacement of a CM (including BUD).	Not Ready
M E2070019  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070019	NOT READY(25:BUD Capacity Shortage)  The device is in Not Ready status. BUD capacity is insufficient.	Not Ready
M E207001A  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207001A	NOT READY(26:TPV Table Restore Fail from System Area)  The device is in Not Ready status. TPV table cannot be restored from the system area.	Not Ready
M E207001B  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207001B	NOT READY(27:TPV Table Restore Fail to BUD)  The device is in Not Ready status. TPV table cannot be restored to BUD.	Not Ready

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E207001C  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207001C	NOT READY(28:TPP Backup Data Restore Fail From BUD)	Not Ready
			The device is in Not Ready status. Backup data for TPP cannot be restored from BUD.	
M E207001D  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207001D	NOT READY(29:NVRAM Data Contradiction)	Not Ready
			The device is in Not Ready status. Inconsistent data was generated in the NVRAM.	
M E207001E  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207001E	NOT READY(30:Backup at Power Failure, Failed)	Not Ready
			The device is in Not Ready status. The backup during a power failure failed.	
M E207001F  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E207001F	NOT READY(31:Backup CE AC Fail)	Not Ready
			The device is in Not Ready status. The power was cut during a backup for the CE.	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E2070020  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E2070020	NOT READY(32:TPV Table recovering from System Area)  The device is in Not Ready status. A TPV table recovery is currently being performed from the system area to the BUD.	Not Ready

**Table 31 Error Messages (Event Type Code: M E8010xxx through M E928xxyy)**

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E8010xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E8010xxx	TPP#xxx turned to CAUTION(decrease of available capacity)  Usage status of the Thin Provisioning Pool is changed: Normal to Caution xxx: TPP number (hexadecimal)	Thin Provisioning Pool Rate
M E8020xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E8020xxx	TPP#xxx turned to WARNING(decrease of available capacity)  Usage status of the Thin Provisioning Pool is changed: Normal to Warning or Caution to Warning xxx: TPP number (hexadecimal)	Thin Provisioning Pool Rate

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E8050xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E8050xxx	TPP#xxx was all allocated  There is no more available capacity in the Thin Provisioning Pool. xxx: TPP number (hexadecimal)	Thin Provisioning Pool Rate
M E8070xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E8070xxx	FTRP#xxx turned to CAUTION(decrease of available capacity)  Usage status of the Flexible Tier Pool is changed: Normal to Attention xxx: FTRP number (hexadecimal)	Thin Provisioning Pool Rate
M E8080xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E8080xxx	FTRP#xxx turned to WARNING(decrease of available capacity)  Usage status of the Flexible Tier Pool is changed: Normal to Warning or Attention to Warning xxx: FTRP number (hexadecimal)	Thin Provisioning Pool Rate
M E8090xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E8090xxx	FTRP#xxx was all allocated  There is no more available capacity in the Flexible Tier Pool. xxx: FTRP number (hexadecimal)	Thin Provisioning Pool Rate

1. Event Notification Message List  
Message List

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M E8100xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	14	E8100xxx	FTRP Shrink Error occurred (RAID Group#0xxx)  An error occurred while the RAID group was being deleted from the Flexible Tier Pool. xxx: RAID group number (hexadecimal)	(*1)
M E8200xxx  Notification target: AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	7	E8200xxx	DEDUP SYS(TPP#xxx) turned WARNING(decrease of available capacity)  Used capacity of the DEDUP_SYS Volume exceeds the specified value: xxx: TPP number (hexadecimal)	Thin Provisioning Pool Rate
M E8210xxx  Notification target: AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	7	E8210xxx	DEDUP SYS(TPP#xxx) was all allocated  There is no more available capacity in the DEDUP_SYS Volume. xxx: TPP number (hexadecimal)	Thin Provisioning Pool Rate
M E928xyyy  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	7	E928xyyy	Key Management Server communication Error (Key Server ID #xx) (Key Group ID#yy)  A communication error with the key server occurred. xx: Key server ID yy: Key group ID	SED Network Error (*2)

- \*1: The notification setting cannot be configured. This message is notified only with SNMP Trap.  
\*2: This message is only notified for models in which SEDs can be installed.

1. Event Notification Message List  
Message List

**Table 32 Error Messages (Event Type Code: M EA030xxx)**

Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	Trap No.	Trap Maintenance Info	Lower: Description	
M EA0300xx  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	7	EA0300xx	Thin Provisioning Control Data Error was detected on CM# <i>m</i> (on CE# <i>jj</i> )	(*1)
			An error is detected in the Thin Provisioning control data. <i>xx</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>jj</i> : CE number (00 - 0b)	
M EA0301xx  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	7	EA0301xx	Thin Provisioning Control Data Error was recovered on CM# <i>m</i> (on CE# <i>jj</i> )	(*1)
			The Thin Provisioning control data is recovered. <i>xx</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>jj</i> : CE number (00 - 0b)	
M EA0302xx  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	7	EA0302xx	Thin Provisioning Control Data was initialized on CM# <i>m</i> (on CE# <i>jj</i> )	(*1)
			The Thin Provisioning control data is initialized due to the deactivation of the Thin Provisioning mode. <i>xx</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>jj</i> : CE number (00 - 0b)	
M EB0500xx  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	7	EB0500xx	Data Error was detected in Volume Format Processing on CM# <i>xx</i> .	Logical Format Data Check Error
			An error is detected in the data while Quick Format is running. <i>xx</i> : CM module ID (10 - 1B, 20 - 2B)	
M EB050xxx  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	7	EB050xxx	RAID Group#0xxx data access failed because of drive (DE# <i>yy</i> -Disk# <i>zz</i> ).	Data Access Failed During Redundancy Loss
			Data access failed during RAID group redundancy loss. <i>xx</i> : RAID Group Number (lowercase hexadecimal) <i>yy</i> : DEID <i>zz</i> : Slot number (00 - 23 (decimal))	
M EC0500xx  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	7	EC0500xx	Data Error was detected in Unmap Processing on CM# <i>xx</i> .	Unmap Data Check Error
			An error is detected in the data while Quick Unmap is running. <i>xx</i> : CM module ID (10 - 1B, 20 - 2B)	

\*1: The notification setting cannot be configured.



## Error Messages (When the Event Type is "E")

This section describes the messages for "E" type events that are sent when the severity is "Error". The following messages are sent when an error-level event occurs.

### Note

- The types of messages that are notified vary depending on the event notification setting.
- Depending on the items enabled for Error Severity Level of the event notification setting, a message is notified when an error occurs in the target component.
- For the error message with the "E 0100001" event type code, a notification setting is not available. This message is always notified.
- For error messages with an event type code other than "E 0100001", message notifications are suppressed during maintenance operations.

**Table 33 Error Messages (Event Type Code: E 010000xx through E 401200xx)**

Event type code	SNMP Trap	Upper: Message	Error Severity Level item
	TrapNo.	Lower: Description	
E 0100001  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	50	Network service startup error. service= <i>\$a</i> <ce# <i>\$b</i> cm# <i>\$c</i> factor= <i>\$d</i> >	(*1)
		The network service of the management LAN failed to start. <i>\$a</i> : Service name (GUI, CLI, RESTful API, Maintenance-Secure, SNMP, RCIL, ETERNUS DX Discovery, SMI-S(http),SMI-S(https), SMI-S(slp)) <i>\$b</i> : CE ID of the CM where the error was detected (00 - 0b) <i>\$c</i> : CM number in the CE of the CM where the error was detected (0 - 1) <i>\$d</i> : Code indicating the reason for the error (4-digit hexadecimal lowercase characters)	
E 4000008  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	I/O error or data corruption of management partition: <i>\$p</i>	NAS I/O Error
		Failed to read or write to the management partition. <i>\$p</i> : Path name	
E 40011008  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	<i>\$f</i> : Filesystem status is FSBAD, so MDS can not run.fs_clean= <i>\$c</i>	NAS I/O Error
		The mount process stopped due to a file system error. <i>\$f</i> : File system ID <i>\$c</i> : Internal information	
E 40011009  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	<i>\$f</i> : MDS terminated abnormally because I/O error occurred continuously on meta-data area of the disk.	NAS I/O Error
		The Metadata Server (MDS), which is a program to maintain data integrity and consistency, ended abnormally because I/O errors occurred continuously in the metadata area of the file system that stores management data. <i>\$f</i> : File system ID	
E 40012021  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	<i>\$f</i> : cannot access: too many I/O errors. dev= <i>\$d</i>	NAS I/O Error
		Writing to the super block failed and the file system is blocked. An error response is returned when access to the blocked file system is attempted. <i>\$f</i> : File system ID <i>\$d</i> : Device number	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap	Upper: Message	Error Severity Level item
	TrapNo.	Lower: Description	
E 40013006  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	<i>\$f</i> : I/O error on log: dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Error
		Writing to the update log in the file system failed. <i>\$f</i> : File system ID <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
E 40020001  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	50	Out of memory: kill process	NAS I/O Error
		The process stopped due to insufficient memory.	
E 40049118  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	link down detected: the physical interface link is down. ( <i>\$a</i> <i>\$b</i> <i>\$c</i> )	NAS I/O Error
		The physical interface link for the CA port is down. <i>\$a</i> : CM number <i>\$b</i> : CA slot number <i>\$c</i> : Port number	
E 40050001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	RMS configuration is inconsistent compare with other CM. ( <i>\$n</i> )	NAS I/O Error
		The multipath control did not start because the configuration of the multipath control differs from the other CM. <i>\$n</i> : CM number	
E 40060001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	Snapshot execution was failed. NAS Volume= <i>\$a</i> SDV= <i>\$b</i>	NAS Snapshot Error
		The Snapshot cannot be obtained. <i>\$a</i> : NAS volume number <i>\$b</i> : SDV number	
E 40060002  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	Snapshot became error status. NAS Volume= <i>\$a</i>	NAS Snapshot Error
		The Snapshot for the NAS volume is in the error state. <i>\$a</i> : NAS volume number	
E 40100001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	extra system volume is unmounted(CM# <i>\$cm</i> ).	Extended System Volume Error
		The extended system volume is in the unmounted state. <i>\$cm</i> : CM number	
E 40100002  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	I/O error(s) has occurred in the extra system volume(CM# <i>\$cm</i> ).	Extended System Volume Error
		The extended system volume is in the Read Only state due to access errors. <i>\$cm</i> : CM number	
E 40120001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	I/O error(s) has occurred in the extra system volume(CM# <i>\$cm</i> ).	Extended System Volume Error
		The extended system volume is in the mounted state, but access errors are occurring. <i>\$cm</i> : CM number	

1. Event Notification Message List  
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Event type code	SNMP Trap		Upper: Message	Error Severity Level item
	TrapNo.	Lower: Description		
E 40120002  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	50	Capacity of extra system volume has been reached to the upper limit(CM# \$cm).  The free space in the extended system volume for writing the audit logs is not sufficient. \$cm: CM number		Extended System Volume Error

\*1: This message cannot be suppressed because Error Severity Level in the event notification setting does not have an option to send notifications of network service startup errors.

## Warning Messages (When the Event Type is "J")

This section describes the messages for "J" type events that are sent when the severity is "Warning". The following messages are sent when components require maintenance or preventive maintenance, unusual temperatures occur, or other warning events occur.

### Note

- The types of messages that are notified vary depending on the event notification setting.
- Depending on the items enabled for Warning Level of the event notification setting, a message is notified when an error occurs in the target component.
- Message notifications are suppressed during maintenance operations.

**Table 34 Warning Messages (Event Type Code: J 01SSMMxx through J 02SSMM0p)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap-Warnin gInfo	Lower: Description	
J 01.SSMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	5	0100.MM00	0xww	Controller Module#m(zz) Warning factor(ww) <pppppppppppp ssssssssss rrrrr>  CM error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name ww: Factor code pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 01.SSMM00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	5	0100.MM00	0xww	Controller Module#m(zz) (on CE#jj) Warning factor(ww) <pppppppppppp ssssssssss rrrrr>  CM error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) ww: Factor code pp...: Component number ss...: Serial number rr...: Version	Parts Warning

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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap-Warnin gInfo	Lower: Description	
J 02.S5MM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0200.MM0p	0	Controller Module#m(zz) DMA PORT#p Warning <pppppppppppp ssssssssss rrrrr>  CM DMA port error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name p: Port number (0 -1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 02.S5MM0p  Notification target: DX8700 S3 DX8900 S3	5	0200.MM0p	0	Controller Module#m(zz) (on CE#jj) DMA PORT#p Warning <pppppppppppp ssssssssss rrrrr>  CM DMA port error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 02.S5MM0p  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0200.MM0p	0	Controller Module#m(zz) DMA PORT#p Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)  CM DMA port error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name p: Port number (0 -1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 02.S5MM0p  Notification target: DX900 S5 DX8900 S4	5	0200.MM0p	0	Controller Module#m(zz) (on CE#jj) DMA PORT#p Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)  CM DMA port error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

**Table 35 Warning Messages (Event Type Code: J 03SSMMxx through J 04SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 03SSMM0v  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0300MM0v	0	Controller Module#m(zz) BIOS#vWarning <pppppppppppp ssssssssss rrrrr>  CM BIOS error has been detected. SS: Component subtype MM: CM module ID (10 - 11) v: BIOS number (0 - 1) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 03SSMM0v  Notification target: DX8700 S3 DX8900 S3	5	0300MM0v	0	Controller Module#m(zz) (on CE#jj) BIOS#vWarning <pppppppppppp ssssssssss rrrrr>  CM BIOS error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) v: BIOS number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 03SSMM0v  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0300MM0v	0	Controller Module#m(zz) BIOS#vWarning <pppppppppppp ssssssssss rrrrr> fac(ffff)  CM BIOS error has been detected. SS: Component subtype MM: CM module ID (10 - 11) v: BIOS number (0 - 1) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 03SSMM0v  Notification target: DX900 S5 DX8900 S4	5	0300MM0v	0	Controller Module#m(zz) (on CE#jj) BIOS#v Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)  CM BIOS error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) v: BIOS number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 04.SSMM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0400/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) RTC Warning < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  CM RTC error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	Parts Warning
J 04.SSMM00  Notification target: DX8700 S3 DX8900 S3	5	0400/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) RTC Warning < <i>pppppppppppp sssssssss rrrrr</i> >  CM RTC error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	Parts Warning
J 04.SSMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0400/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) RTC Warning < <i>pppppppppppp</i> <i>ssssssssss rrrrr fac(ffff)</i> >  CM RTC error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>fff</i> : Factor code	Parts Warning
J 04.SSMM00  Notification target: DX900 S5 DX8900 S4	5	0400/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) RTC Warning < <i>pppppppppppp sssssssss rrrrr fac(ffff)</i> >  CM RTC error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>fff</i> : Factor code	Parts Warning

1. Event Notification Message List  
Message List

**Table 36 Warning Messages (Event Type Code: J 05SSMMxx through J 06SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
<p>J 05SSMM00</p> <p>Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3</p>	5	0500MM00	0	<p>Controller Module#<i>m</i>(<i>zz</i>) NVRAM Warning &lt;<i>pppppppppppp ssssssssss rrrrr</i>&gt;</p> <p>CM NVRAM error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 11) <i>m</i>: CM number (0 - 1) <i>zz</i>: Model name <i>pp</i>...: Component number <i>ss</i>...: Serial number <i>rr</i>...: Version</p>	Parts Warning
<p>J 05SSMM00</p> <p>Notification target: DX8700 S3 DX8900 S3</p>	5	0500MM00	0	<p>Controller Module#<i>m</i>(<i>zz</i>) (on CE#<i>jj</i>) NVRAM Warning &lt;<i>pppppppppppp ssssssssss rrrrr</i>&gt;</p> <p>CM NVRAM error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 1B, 20 - 2B) <i>m</i>: CM number (0 - 1) <i>zz</i>: Model name <i>jj</i>: CE number (00 - 0b) <i>pp</i>...: Component number <i>ss</i>...: Serial number <i>rr</i>...: Version</p>	Parts Warning
<p>J 05SSMM00</p> <p>Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4</p>	5	0500MM00	0	<p>Controller Module#<i>m</i>(<i>zz</i>) NVRAM Warning &lt;<i>pppppppppppp ssssssssss rrrrr</i>&gt; fac(<i>ffff</i>)</p> <p>CM NVRAM error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 11) <i>m</i>: CM number (0 - 1) <i>zz</i>: Model name <i>pp</i>...: Component number <i>ss</i>...: Serial number <i>rr</i>...: Version <i>ffff</i>: Factor code</p>	Parts Warning
<p>J 05SSMM00</p> <p>Notification target: DX900 S5 DX8900 S4</p>	5	0500MM00	0	<p>Controller Module#<i>m</i>(<i>zz</i>) (on CE#<i>jj</i>) NVRAM Warning &lt;<i>pppppppppppp ssssssssss rrrrr</i>&gt; fac(<i>ffff</i>)</p> <p>CM NVRAM error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 1B, 20 - 2B) <i>m</i>: CM number (0 - 1) <i>zz</i>: Model name <i>jj</i>: CE number (00 - 0b) <i>pp</i>...: Component number <i>ss</i>...: Serial number <i>rr</i>...: Version <i>ffff</i>: Factor code</p>	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 06.SSMMM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0600/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) EXP Warning < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >	Parts Warning
				CM EXP error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
J 06.SSMMM00  Notification target: DX8700 S3 DX8900 S3	5	0600/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> )EXP Warning < <i>pppppppppppp sssssssss rrrrr</i> >	Parts Warning
				CM EXP error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
J 06.SSMMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0600/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) EXP Warning < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> > fac( <i>ffff</i> )	Parts Warning
				CM EXP error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
J 06.SSMMM00  Notification target: DX900 S5 DX8900 S4	5	0600/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) EXP Warning < <i>pppppppppppp sssssssss rrrrr</i> > fac( <i>ffff</i> )	Parts Warning
				CM EXP error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	



1. Event Notification Message List  
Message List

**Table 37 Warning Messages (Event Type Code: J 08SSMMxx through J 09SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
<p>J 08.SSMMvp</p> <p>Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3</p>	5	0800MMvp	0	<p>Controller Module#<i>m</i>(<i>zz</i>) DI Port#<i>P</i>Warning &lt;<i>pppppppppppp ssssssssss rrrrr</i>&gt;</p> <p>CM DI port error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 11) <i>v</i>: Device number (0 - 1) <i>p</i>: Device port number (0 - 1) <i>m</i>: CM number (0 - 1) <i>zz</i>: Model name <i>P</i>: Port number (0 - 3) <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version</p>	Parts Warning
<p>J 08.SSMMvp</p> <p>Notification target: DX8700 S3 DX8900 S3</p>	5	0800MMvp	0	<p>Controller Module#<i>m</i>(<i>zz</i>) (on CE#<i>jj</i>) DI Port#<i>P</i>Warning &lt;<i>pppppppppppp ssssssssss rrrrr</i>&gt;</p> <p>CM DI port error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 1B, 20 - 2B) <i>v</i>: Device number (0 - 1) <i>p</i>: Device port number (0 - 1) <i>m</i>: CM number (0 - 1) <i>zz</i>: Model name <i>jj</i>: CE number (00 - 0b) <i>P</i>: Port number (0 - 3) <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version</p>	Parts Warning
<p>J 08.SSMMvp</p> <p>Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4</p>	5	0800MMvp	0	<p>Controller Module#<i>m</i>(<i>zz</i>) DI Port#<i>P</i>Warning &lt;<i>pppppppppppp ssssssssss rrrrr</i>&gt; fac(<i>ffff</i>)</p> <p>CM DI port error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 11) <i>v</i>: Device number (0 - 1) <i>p</i>: Device port number (0 - 1) <i>m</i>: CM number (0 - 1) <i>zz</i>: Model name <i>P</i>: Port number (0 - 3) <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version <i>ffff</i>: Factor code</p>	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 08.SSMMvp  Notification target: DX900 S5 DX8900 S4	5	0800MMvp	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) DI Port# <i>P</i> Warning < <i>ppppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  CM DI port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>v</i> : Device number (0 - 1) <i>p</i> : Device port number (0 - 1) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>P</i> : Port number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Warning
J 09.SSMMOp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0900MMOp	0	Controller Module# <i>m</i> ( <i>zz</i> ) EXP In Port# <i>p</i> Warning < <i>ppppppppppppp ssssssssss rrrrr</i> >  CM EXP IN port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>p</i> : Port number (0 - 3) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J 09.SSMMOp  Notification target: DX8700 S3 DX8900 S3	5	0900MMOp	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> )EXP In Port# <i>p</i> Warning < <i>ppppppppppppp ssssssssss rrrrr</i> >  CM EXP IN port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>p</i> : Port number (0 - 3) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J 09.SSMMOp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0900MMOp	0	Controller Module# <i>m</i> ( <i>zz</i> ) EXP In Port# <i>p</i> Warning < <i>ppppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  CM EXP IN port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>p</i> : Port number (0 - 3) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 09SSMM0p  Notification target: DX900 S5 DX8900 S4	5	0900MM0p	0	Controller Module#m(zz) (on CE#jj) EXP In Port#p Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)  CM EXP IN port error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 3) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

**Table 38 Warning Messages (Event Type Code: J 0ASSMMxx through J 0FSSMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 0ASSMM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0A00MM0p	0	Controller Module#m(zz) EXP Out Port#p Warning <pppppppppppp ssssssssss rrrrr>  CM EXP OUT port error has been detected. SS: Component subtype MM: CM module ID (10 - 11) p: Port number (0 - 3) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 0ASSMM0p  Notification target: DX8700 S3 DX8900 S3	5	0A00MM0p	0	Controller Module#m(zz) (on CE#jj)EXP Out Port#p Warning <pppppppppppp ssssssssss rrrrr>  CM EXP OUT port error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 3) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 0A5SMMOp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0A00MMOp	0	Controller Module# <i>m</i> ( <i>zz</i> ) EXP Out Port# <i>p</i> Warning < <i>ppppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )	Parts Warning
				CM EXP OUT port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>p</i> : Port number (0 - 3) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	
J 0A5SMMOp  Notification target: DX900 S5 DX8900 S4	5	0A00MMOp	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) EXP Out Port# <i>p</i> Warning < <i>ppppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )	Parts Warning
				CM EXP OUT port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>p</i> : Port number (0 - 3) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	
J 0C5SMMOv  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0C00MMOv	0	Controller Module# <i>m</i> ( <i>zz</i> ) BUD# <i>v</i> (# <i>xx</i> GB) Warning < <i>ppppppppppppp ssssssssss rrrrr</i> >	Parts Warning
				CM BUD error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>v</i> : Device number (0 -1) <i>xx</i> : Capacity of BUD <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
J 0C5SMMOv  Notification target: DX8700 S3 DX8900 S3	5	0C00MMOv	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) BUD# <i>v</i> (# <i>xx</i> GB) Warning < <i>ppppppppppppp ssssssssss rrrrr</i> >	Parts Warning
				CM BUD error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>v</i> : Device number (0 -1) <i>xx</i> : Capacity of BUD <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 0C5SMM0v  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0C00MM0v	0	Controller Module#m(zz) BUD#v(#xxGB) Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Warning
				CM BUD error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name v: Device number (0 -1) xx: Capacity of BUD pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
J 0C5SMM0v  Notification target: DX900 S5 DX8900 S4	5	0C00MM0v	0	Controller Module#m(zz) (on CE#jj) BUD#v(#xxGB) Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Warning
				CM BUD error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name v: Device number (0 -1) xx: Capacity of BUD pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
J 0D5SMM00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0D00MM00	0	Controller Module#m(zz) FAN Warning <pppppppppppp>	Parts Warning
				CM FAN error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name pp...: Component number	
J 0D5SMM00  Notification target: DX8700 S3 DX8900 S3	5	0D00MM00	0	Controller Module#m(zz) (on CE#jj) FAN Warning <pppppppppppp>	Parts Warning
				CM FAN error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number	
J 0D5SMM00  Notification target: AF650 S3 DX500 S5/DX600 S5 DX8100 S4	5	0D00MM00	0	Controller Module#m(zz) FAN Warning <pppppppppppp> fac(ffff)	Parts Warning
				CM FAN error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name pp...: Component number ffff: Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 0DSSMM00  Notification target: DX900 S5 DX8900 S4	5	0D00MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) FAN Warning <pppppppppppp> fac( <i>fff</i> )  CM FAN error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number fff: Factor code	Parts Warning
J 0ESSMM00  Notification target: AF250 S2/AF250 DX100 S4/S3 DX200 S4/S3 DX200F	5	0E00MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) SATA SSD Controller Warning <pppppppppppp ssssssssss rrrrr>  CM SATA SSD Controller error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 0FSSMM00  Notification target: AF250 DX60 S3 DX100 S3 DX200 S3 DX200F	5	0F00MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) SCU Warning <pppppppppppp sssssssssss rrrrr>  CM SCU error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	Parts Warning

Table 39 Warning Messages (Event Type Code: J 10SSMMxx)

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 10SSMM00  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	1000MM00	0	CA Slot# <i>S</i> - <i>V</i> ( <i>zz</i> ) (on CM# <i>m</i> ) Warning <pppppppppppp sssssssssss rrrrr>  CA error has been detected. SS: Component subtype MM: CA module ID (40 - 7F) S: CA slot number (0 - 3) V: Device number (0 - 1) zz: CA type m: CM number (0 - 1) pp...: CA component number ss...: CA serial number rr...: CA version	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 10.SSMMM00  Notification target: DX100 S4/S3	5	1000MMM00	0	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CM-FC# <i>m</i> ) Warning <pppppppppppp sssssssss rrrrr>  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) V: Device number (0) zz: CA type m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 10.SSMMM00  Notification target: DX60 S4/S3	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-iSCSI# <i>m</i> ) Warning <pppppppppppp ssssssssss rrrrr>  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 10.SSMMM00  Notification target: DX60 S4/S3	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-iSCSI 10GT# <i>m</i> ) Warning <pppppppppppp ssssssssss rrrrr>  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 10.SSMMM00  Notification target: DX60 S4/S3	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-SAS# <i>m</i> ) Warning <pppppppppppp ssssssssss rrrrr>  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 10.SSMMM00  Notification target: DX60 S4/S3	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-SAS 12G# <i>m</i> ) Warning <pppppppppppp ssssssssss rrrrr>  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 10.SMM00  Notification target: DX60 S4/S3	5	1000MM00	0	CA Slot# <i>S</i> (on CM-FC# <i>m</i> ) Warning <pppppppppppp sssssssss rrrrr>  CA error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0 - 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	Parts Warning
J 10.SMM00  Notification target: DX8700 S3 DX8900 S3	5	1000MM00	0	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CE# <i>jj</i> CM# <i>m</i> ) Warning <pppppppppppp ssssssssss rrrrr>  CA error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40 - FF) <i>S</i> : CA slot number (0 - 3) <i>V</i> : Device number (0 - 1) <i>zz</i> : CA type <i>jj</i> : CE number (00 - 0b) <i>m</i> : CM number (0 - 1) <i>pp...</i> : CA component number <i>ss...</i> : CA serial number <i>rr...</i> : CA version	Parts Warning
J 10.SMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	1000MM00	0	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CM# <i>m</i> ) Warning <pppppppppppp sssssssss rrrrr> fac( <i>ffff</i> )  CA error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40 - 7F) <i>S</i> : CA slot number (0 - 3) <i>V</i> : Device number (0 - 1) <i>zz</i> : CA type <i>m</i> : CM number (0 - 1) <i>pp...</i> : CA component number <i>ss...</i> : CA serial number <i>rr...</i> : CA version <i>ffff</i> : Factor code	Parts Warning
J 10.SMM00  Notification target: DX100 S5	5	1000MM00	0	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CM-FC# <i>m</i> ) Warning <pppppppppppp sssssssss rrrrr> fac( <i>ffff</i> )  CA error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>V</i> : Device number (0) <i>zz</i> : CA type <i>m</i> : CM number (0 - 1) <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version <i>ffff</i> : Factor code	Parts Warning



1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 10.SSMMM00  Notification target: DX60 S5	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-iSCSI# <i>m</i> ) Warning <pppppppppppp sssssssss rrrr> fac( <i>ffff</i> )  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	Parts Warning
J 10.SSMMM00  Notification target: DX60 S5	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-iSCSI 10GT# <i>m</i> ) Warning <pppppppppppp sssssssss rrrr> fac( <i>ffff</i> )  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	Parts Warning
J 10.SSMMM00  Notification target: DX60 S5	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-SAS# <i>m</i> ) Warning <pppppppppppp sssssssss rrrr> fac( <i>ffff</i> )  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	Parts Warning
J 10.SSMMM00  Notification target: DX60 S5	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-SAS 12G# <i>m</i> ) Warning <pppppppppppp sssssssss rrrr> fac( <i>ffff</i> )  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	Parts Warning
J 10.SSMMM00  Notification target: DX60 S5	5	1000MMM00	0	CA Slot# <i>S</i> (on CM-FC# <i>m</i> ) Warning <pppppppppppp ssssssssss rrrr> fac( <i>ffff</i> )  CA error has been detected. SS: Component subtype MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version ffff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 10SSMM00  Notification target: DX900 S5 DX8900 S4	5	1000MM00	0	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CE# <i>jj</i> CM# <i>m</i> ) Warning <pppppppppppp ssssssssss rrrrr> fac( <i>ffff</i> )  CA error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40 – FF) <i>S</i> : CA slot number (0 – 3) <i>V</i> : Device number (0 – 1) <i>zz</i> : CA type <i>jj</i> : CE number (00 - 0b) <i>m</i> : CM number (0 – 1) <i>pp</i> ...: CA component number <i>ss</i> ...: CA serial number <i>rr</i> ...: CA version <i>ffff</i> : Factor code	Parts Warning

**Table 40 Warning Messages (Event Type Code: J 11SSMMxx through J 1ASSMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 11SSMM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	1100MM0p	0	CA Slot# <i>S</i> ( <i>zz</i> ) (on CM# <i>m</i> ) Port# <i>P</i> Warning <pppppppppppp ssssssssss rrrrr>  CA port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40 – 7F) <i>p</i> : Device port number (0 – 1) <i>S</i> : CA slot number (0 – 3) <i>zz</i> : CA type <i>m</i> : CM number (0 – 1) <i>P</i> : Port number (0 – 3) <i>pp</i> ...: CA component number <i>ss</i> ...: CA serial number <i>rr</i> ...: CA version	Parts Warning
J 11SSMM0p  Notification target: DX100 S4/S3	5	1100MM0p	0	CA Slot# <i>S</i> ( <i>zz</i> ) (on CM-FC# <i>m</i> ) Port# <i>P</i> Warning <pppppppppppp ssssssssss rrrrr>  CA port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CA module ID (40, 41) <i>p</i> : Device port number (0 – 1) <i>S</i> : CA slot number (0) <i>zz</i> : CA type <i>m</i> : CM number (0 – 1) <i>P</i> : Port number (0 – 1) <i>pp</i> ...: CM component number <i>ss</i> ...: CM serial number <i>rr</i> ...: CM version	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 11.SSMMOp  Notification target: DX60 S4/S3	5	1100MMOp	0	CA Slot#S (on CM-iSCSI#m) Port#PWarning <pppppppppppp sssssssss rrrr>  CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 11.SSMMOp  Notification target: DX60 S4/S3	5	1100MMOp	0	CA Slot#S (on CM-iSCSI 10GT#m) Port#PWarning <pppppppppppp sssssssss rrrr>  CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 11.SSMMOp  Notification target: DX60 S4/S3	5	1100MMOp	0	CA Slot#S (on CM-SAS#m) Port#PWarning <pppppppppppp sssssssss rrrr>  CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 11.SSMMOp  Notification target: DX60 S4/S3	5	1100MMOp	0	CA Slot#S (on CM-SAS 12G#m) Port#PWarning <pppppppppppp sssssssss rrrr>  CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 11.SSMMOp  Notification target: DX60 S4/S3	5	1100MMOp	0	CA Slot#S (on CM-FC#m) Port#PWarning <pppppppppppp sssssssss rrrr>  CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 11.SSMMOp  Notification target: DX8700 S3 DX8900 S3	5	1100MMOp	0	CA Slot#S(zz) (on CE#jjCM#m) Port#PWarning <pppppppppppp sssssssss rrrr>  CA port error has been detected. SS: Component subtype MM: CA module ID (40 - FF) p: Device port number (0 - 1) S: CA slot number (0 - 3) zz: CA type jj: CE number (00 - 0b) m: CM number (0 - 1) P: Port number (0 - 3) pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning
J 11.SSMMOp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	1100MMOp	0	CA Slot#S(zz) (on CM#m) Port#PWarning <pppppppppppp sssssssss rrrr> fac(fff)  CA port error has been detected. SS: Component subtype MM: CA module ID (40 - 7F) p: Device port number (0 - 1) S: CA slot number (0 - 3) zz: CA type m: CM number (0 - 1) P: Port number (0 - 3) pp...: CA component number ss...: CA serial number rr...: CA version fff: Factor code	Parts Warning
J 11.SSMMOp  Notification target: DX100 S5	5	1100MMOp	0	CA Slot#S(zz) (on CM-FC#m) Port#PWarning <pppppppppppp sssssssss rrrr> fac(fff)  CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) zz: CA type m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version fff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 11.SSMMOp  Notification target: DX60 S5	5	1100MMOp	0	CA Slot#S (on CM-iSCSI#m) Port#PWarning <pppppppppppp sssssssss rrrr> fac(fff)	Parts Warning
				CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version fff: Factor code	
J 11.SSMMOp  Notification target: DX60 S5	5	1100MMOp	0	CA Slot#S (on CM-iSCSI 10GT#m) Port#PWarning <pppppppppppp sssssssss rrrr> fac(fff)	Parts Warning
				CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version fff: Factor code	
J 11.SSMMOp  Notification target: DX60 S5	5	1100MMOp	0	CA Slot#S (on CM-SAS#m) Port#PWarning <pppppppppppp sssssssss rrrr> fac(fff)	Parts Warning
				CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version fff: Factor code	
J 11.SSMMOp  Notification target: DX60 S5	5	1100MMOp	0	CA Slot#S (on CM-SAS 12G#m) Port#PWarning <pppppppppppp sssssssss rrrr> fac(fff)	Parts Warning
				CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version fff: Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 11SSMMOp  Notification target: DX60 S5	5	1100MMOp	0	CA Slot#S (on CM-FC#m) Port#PWarning <pppppppppppp sssssssss rrrr> fac(fff)  CA port error has been detected. SS: Component subtype MM: CA module ID (40, 41) p: Device port number (0 - 1) S: CA slot number (0) m: CM number (0 - 1) P: Port number (0 - 1) pp...: CM component number ss...: CM serial number rr...: CM version fff: Factor code	Parts Warning
J 11SSMMOp  Notification target: DX900 S5 DX8900 S4	5	1100MMOp	0	CA Slot#S(zz) (on CE#jjCM#m) Port#PWarning <pppppppppppp sssssssss rrrr> fac(fff)  CA port error has been detected. SS: Component subtype MM: CA module ID (40 - FF) p: Device port number (0 - 1) S: CA slot number (0 - 3) zz: CA type jj: CE number (00 - 0b) m: CM number (0 - 1) P: Port number (0 - 3) pp...: CM component number ss...: CM serial number rr...: CM version fff: Factor code	Parts Warning
J 1ASSMMOp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	1A00MMOp	0	yyCA Slot#S(zz) (on CM#m) Port#PWarning <pppppppppppp sssssssss rrrr 0000000>  CA port error has been detected. SS: Component subtype MM: CA module ID (40 - 7F) p: Device port number (0 - 1) yy: SFP type S: CA slot number (0 - 1) zz: CA type m: CM number (0 - 1) P: Port number (0 - 1) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 1ASSMMOp  Notification target: DX8700 S3 DX8900 S3	5	1A00MMOp	0	yyCA Slot#S{zz} (on CE#jjCM#m) Port#PWarning <pppppppppppppppp ssssssssssssssss rrrr 00000000>  CA port error has been detected. SS: Component subtype MM: CA module ID (40 - FF) p: Device port number (0 - 1) yy: SFP type S: CA slot number (0 - 3) zz: CA type jj: CE number (00 - 0b) m: CM number (0 - 1) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information	Parts Warning
J 1ASSMMOp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	1A00MMOp	0	yyCA Slot#S{zz} (on CM#m) Port#PWarning <pppppppppppppppp ssssssssssss rrrr 00000000> fac{fff}  CA port error has been detected. SS: Component subtype MM: CA module ID (40 - 7F) p: Device port number (0 - 1) yy: SFP type S: CA slot number (0 - 1) zz: CA type m: CM number (0 - 1) P: Port number (0 - 1) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information fff: Factor code	Parts Warning
J 1ASSMMOp  Notification target: DX900 S5 DX8900 S4	5	1A00MMOp	0	yyCA Slot#S{zz} (on CE#jjCM#m) Port#PWarning <pppppppppppppppp ssssssssssssssss rrrr 00000000> fac{fff}  CA port error has been detected. SS: Component subtype MM: CA module ID (40 - FF) p: Device port number (0 - 1) yy: SFP type S: CA slot number (0 - 3) zz: CA type jj: CE number (00 - 0b) m: CM number (0 - 1) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information fff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

**Table 41 Warning Messages (Event Type Code: J 21SSMM00 through J 24SSMM0p)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
<p>J 21.SSMM00</p> <p>Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3</p>	5	2100MM00	0	<p>Controller Module#<i>m</i>(<i>zz</i>) FPGA Warning &lt;<i>pppppppppppp</i> <i>sssssssss rrrrr</i>&gt;</p> <p>CM FPGA error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 11) <i>rr</i>: CM number (0 - 1) <i>zz</i>: Model name <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version</p>	Parts Warning
<p>J 21.SSMM00</p> <p>Notification target: DX8700 S3 DX8900 S3</p>	5	2100MM00	0	<p>Controller Module#<i>m</i>(<i>zz</i>) CE#<i>jj</i>FPGA Warning &lt;<i>pppppppppppp</i> <i>sssssssss rrrrr</i>&gt;</p> <p>CM FPGA error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 1B, 20 - 2B) <i>rr</i>: CM number (0 - 1) <i>zz</i>: Model name <i>jj</i>: CE number (00 - 0b) <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version</p>	Parts Warning
<p>J 21.SSMM00</p> <p>Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4</p>	5	2100MM00	0	<p>Controller Module#<i>m</i>(<i>zz</i>) FPGA Warning &lt;<i>pppppppppppp</i> <i>sssssssss rrrrr</i>&gt; fac(<i>ffff</i>)</p> <p>CM FPGA error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 11) <i>rr</i>: CM number (0 - 1) <i>zz</i>: Model name <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version <i>ffff</i>: Factor code</p>	Parts Warning
<p>J 21.SSMM00</p> <p>Notification target: DX900 S5 DX8900 S4</p>	5	2100MM00	0	<p>Controller Module#<i>m</i>(<i>zz</i>) CE#<i>jj</i>FPGA Warning &lt;<i>pppppppppppp</i> <i>sssssssss rrrrr</i>&gt; fac(<i>ffff</i>)</p> <p>CM FPGA error has been detected. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 1B, 20 - 2B) <i>rr</i>: CM number (0 - 1) <i>zz</i>: Model name <i>jj</i>: CE number (00 - 0b) <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version <i>ffff</i>: Factor code</p>	Parts Warning



1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 22.SSMMOp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	2200MMOp	0	Controller Module#m(zz) LAN PORT#p Warning <pppppppppppp sssssssss rrrr>	Parts Warning
				CM LAN port error has been detected. SS: Component subtype MM: CM module ID (10 - 11) p: Port number (0 - 2) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	
J 22.SSMMOp  Notification target: DX8700 S3 DX8900 S3	5	2200MMOp	0	Controller Module#m(zz) CE#jj LAN PORT#p Warning <pppppppppppp sssssssss rrrr>	Parts Warning
				CM LAN port error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 2) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	
J 22.SSMMOp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	2200MMOp	0	Controller Module#m(zz) LAN PORT#p Warning <pppppppppppp sssssssss rrrr> fac(ffff)	Parts Warning
				CM LAN port error has been detected. SS: Component subtype MM: CM module ID (10 - 11) p: Port number (0 - 2) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
J 22.SSMMOp  Notification target: DX900 S5 DX8900 S4	5	2200MMOp	0	Controller Module#m(zz) CE#jj LAN PORT#p Warning <pppppppppppp sssssssss rrrr> fac(ffff)	Parts Warning
				CM LAN port error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 2) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 23.SSMMOp  Notification target: DX8700 S3 DX8900 S3	5	2300MMOp	-	Controller Module#m(zz) (on CE#jj) SVC PORT#p Warning <pppppppppppp ssssssssss rrrrr>  CM SVC port error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 23.SSMMOp  Notification target: DX900 S5 DX8900 S4	5	2300MMOp	-	Controller Module#m(zz) (on CE#jj) SVC PORT#p Warning <pppppppppppp ssssssssss rrrrr> fac(fff)  CM SVC port error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version fff: Factor code	Parts Warning
J 24.SSMMOp  Notification target: DX8700 S3 DX8900 S3	5	2400MMOp	-	Controller Module#m(zz) (on CE#jj) CM QSFP+ Cable#P Warning <pppppppppppp ssssssssss rrrrr>  CM QSFP+ cable error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 3) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 24.SSMMOp  Notification target: DX900 S5 DX8900 S4	5	2400MMOp	-	Controller Module#m(zz) (on CE#jj) CM QSFP+ Cable#P Warning <pppppppppppp ssssssssss rrrrr> fac(fff)  CM QSFP+ cable error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 3) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) P: Port number (0 - 3) pp...: Component number ss...: Serial number rr...: Version fff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

**Table 42 Warning Messages (Event Type Code: J 2ASSMMxx through J 2DSSMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 2ASSMM0p  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	2A00MM0p	0	Controller Module#m(zz) CM mini SAS HD#pWarning  CM mini SAS HD error has been detected. SS: Component subtype MM: CM module ID (10 - 11) p: Port number (0 - 3) m: CM number (0 - 1) z: Model name	Parts Warning
J 2ASSMM0p  Notification target: DX8700 S3 DX8900 S3	5	2A00MM0p	0	Controller Module#m(zz) CE#jjCM mini SAS HD#PWarning  CM mini SAS HD error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 3) m: CM number (0 - 1) z: Model name jj: CE number (00 - 0b) P: Port number (0 - 3)	Parts Warning
J 2ASSMM0p  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	2A00MM0p	0	Controller Module#m(zz) CM mini SAS HD#pWarning fac(fff)  CM mini SAS HD error has been detected. SS: Component subtype MM: CM module ID (10 - 11) p: Port number (0 - 3) m: CM number (0 - 1) z: Model name fff: Factor code	Parts Warning
J 2ASSMM0p  Notification target: DX900 S5 DX8900 S4	5	2A00MM0p	0	Controller Module#m(zz) CE#jjCM mini SAS HD#PWarning fac(fff)  CM mini SAS HD error has been detected. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) p: Port number (0 - 3) m: CM number (0 - 1) z: Model name jj: CE number (00 - 0b) P: Port number (0 - 3) fff: Factor code	Parts Warning
J 2BSSMM00  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	5	2B00MM00	0	Controller Module#m(zz) NAS Engine Warning <pppppppppppp ssssssssss rrrrr>  CM NAS Engine error has been detected. SS: Component subtype MM: CM module ID (10 - 11) m: CM number (0 - 1) z: Model name pp...: CM component number ss...: CM serial number rr...: CM version	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 2B.S5MM00  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5	5	2B00.MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) NAS Engine Warning < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )	Parts Warning
				CM NAS Engine error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: CM component number <i>ss</i> ...: CM serial number <i>rr</i> ...: CM version <i>ffff</i> : Factor code	
J 2C.S5MM00  Notification target: AF250 S2 DX60 S4 DX100 S4/DX200 S4	5	2C00.MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) BBU Warning < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> >	Parts Warning
				CM BBU error has been detected. <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
J 2C.S5MM00  Notification target: AF150 S3/AF250 S3 DX60 S5 DX100 S5/DX200 S5	5	2C00.MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) BBU Warning < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> >fac( <i>ffff</i> )	Parts Warning
				CM BBU error has been detected. <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
J 2D.S5MM00  Notification target: AF250 S3 AF650 S3 DX500 S5/DX600 S5	5	2D00.MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) SAENG Warning < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )	Parts Warning
				CM Storage Acceleration Engine error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	
J 2D.S5MM00  Notification target: DX900 S5 DX8100 S4 DX8900 S4	5	2D00.MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) CE# <i>jj</i> SAENG Warning < <i>pppppppppppp</i> <i>sssssssss</i> <i>rrrrr</i> > fac( <i>ffff</i> )	Parts Warning
				CM Storage Acceleration Engine error has been detected. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>rr</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version <i>ffff</i> : Factor code	

1. Event Notification Message List  
Message List

**Table 43 Warning Messages (Event Type Code: J 40SSMMxx through J 42SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap-Warnin-gInfo	Lower: Description	
J 40.SSMM00  Notification target: DX8700 S3 DX8900 S3	5	4000MM00	-	FRT# <i>n</i> Warning < <i>pppppppppppp ssssssssss rrrrr</i> >  FRT error has been detected. <i>SS</i> : Component subtype <i>MM</i> : FRT module ID (38 - 3B) <i>r</i> : FRT number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J 40.SSMM00  Notification target: DX900 S5 DX8900 S4	5	4000MM00	-	FRT# <i>n</i> Warning < <i>pppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  FRT error has been detected. <i>SS</i> : Component subtype <i>MM</i> : FRT module ID (38 - 3B) <i>r</i> : FRT number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Warning
J 41.SSMMPP  Notification target: DX8700 S3 DX8900 S3	5	4100MMPP	-	FRT# <i>n</i> PORT# <i>pp</i> Warning < <i>pppppppppppp ssssssssss rrrrr</i> >  FRT port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : FRT module ID (38 - 3B) <i>PP</i> : Port number (00 - 17 (hexadecimal)) <i>r</i> : FRT number (0 - 3) <i>pp</i> : Port number (00 - 23 (decimal)) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J 41.SSMMPP  Notification target: DX900 S5 DX8900 S4	5	4100MMPP	-	FRT# <i>n</i> PORT# <i>pp</i> Warning < <i>pppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  FRT port error has been detected. <i>SS</i> : Component subtype <i>MM</i> : FRT module ID (38 - 3B) <i>PP</i> : Port number (00 - 17 (hexadecimal)) <i>r</i> : FRT number (0 - 3) <i>pp</i> : Port number (00 - 23 (decimal)) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Warning
J 42.SSMMPP  Notification target: DX8700 S3 DX8900 S3	5	4200MMPP	-	FRT# <i>n</i> QSFP+ Cable# <i>pp</i> Warning < <i>pppppppppppp ssssssssss rrrrr</i> >  FRT QSFP+ cable error has been detected. <i>SS</i> : Component subtype <i>MM</i> : FRT module ID (38 - 3B) <i>PP</i> : Port number (00 - 17 (hexadecimal)) <i>r</i> : FRT number (0 - 3) <i>pp</i> : Port number (00 - 23 (decimal)) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning

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Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap-Warnin-gInfo	Lower: Description	
J 42.SSMMP	5	4200.MMP	-	FRT# <i>n</i> QSFP+ Cable# <i>pp</i> Warning < <i>pppppppppppp</i> <i>sssssssss rrrr</i> > <i>fac(ffff)</i>	Parts Warning
Notification target: DX900 S5 DX8900 S4				FRT QSFP+ cable error has been detected. <i>SS</i> : Component subtype <i>MM</i> : FRT module ID (38 - 3B) <i>PP</i> : Port number (00 - 17 (hexadecimal)) <i>r</i> : FRT number (0 - 3) <i>pp</i> : Port number (00 - 23 (decimal)) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	

Table 44 Warning Messages (Event Type Code: J 5000n00 through J 5B00n00)

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 5000000	5	5000000	-	FE Warning < <i>pppppppppppp</i> <i>sssssssss rrrr</i> >	Parts Warning
Notification target: DX8700 S3 DX8900 S3				FE error has been detected. <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
J 5000000	5	5000000	-	FE Warning < <i>pppppppppppp</i> <i>sssssssss rrrr</i> > <i>fac(ffff)</i>	Parts Warning
Notification target: DX900 S5 DX8900 S4				FE error has been detected. <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	
J 5100000	5	5100000	-	System PANEL UNIT Warning < <i>pppppppppppp</i> <i>sssssssss rrrr</i> >	Parts Warning
Notification target: DX8700 S3 DX8900 S3				System panel error has been detected. <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	
J 5100000	5	5100000	-	System PANEL UNIT Warning < <i>pppppppppppp</i> <i>sssssssss rrrr</i> > <i>fac(ffff)</i>	Parts Warning
Notification target: DX900 S5 DX8900 S4				System panel error has been detected. <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	
J 5200n00	5	5200n00	-	Power Supply Unit/FPSU# <i>n</i> Warning < <i>pppppppppppp</i> <i>sssssssss rrrr</i> >	Parts Warning
Notification target: DX8700 S3 DX8900 S3				FE PSU error has been detected. <i>r</i> : FPSU slot number (0 - 1) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 52000n00  Notification target: DX900 S5 DX8900 S4	5	52000n00	-	Power Supply Unit/FPSU#n Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  FE PSU error has been detected. n: FPSU slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 53000n00  Notification target: DX8700 S3 DX8900 S3	5	53000n00	-	FE FANU#n Warning <pppppppppppp ssssssssss rrrr>  FE FAN error has been detected. n: FANU slot number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 53000n00  Notification target: DX900 S5 DX8900 S4	5	53000n00	-	FE FANU#n Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  FE FAN error has been detected. n: FANU slot number (0 - 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 54000n00  Notification target: DX8700 S3 DX8900 S3	5	54000n00	-	FE MP#n Warning <pppppppppppp ssssssssss rrrr>  FE MP error has been detected. n: FE MP number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 54000n00  Notification target: DX900 S5 DX8900 S4	5	54000n00	-	FE MP#n Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  FE MP error has been detected. n: FE MP number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 55000000  Notification target: DX8700 S3 DX8900 S3	5	55000000	-	FE MP BRG Warning <pppppppppppp ssssssssss rrrr>  FE MP BRG error has been detected. pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 55000000  Notification target: DX900 S5 DX8900 S4	5	55000000	-	FE MP BRG Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  FE MP BRG error has been detected. pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

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Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 5A000000  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	6	5A000000	1	FE Exhaust temperature Warning  FE exhaust temperature error (Warning) has been detected.	Temperature Warning
J 5B000000  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	6	5B000000	1	FE Intake temperature Warning  FE intake temperature error (Warning) has been detected.	Temperature Warning

\*1: This row indicates TrapWarningInfo for Trap No. 5 and TrapSensorInfo for Trap No. 6.

**Table 45 Warning Messages (Event Type Code: J 60SSMMxx through J 61SSMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 60SSMM00  Notification target: DX8700 S3 DX8900 S3	5	6000MM00	-	SVC#n Warning <pppppppppppp ssssssssss rrrrr>  SVC error has been detected. SS: Component subtype MM: SVC module ID (30 - 31) r: SVC number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 60SSMM00  Notification target: DX900 S5 DX8900 S4	5	6000MM00	-	SVC#n Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)  SVC error has been detected. SS: Component subtype MM: SVC module ID (30 - 31) r: SVC number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 61SSMMPP  Notification target: DX8700 S3 DX8900 S3	5	6100MMPP	-	SVC#n PORT#pp Warning <pppppppppppp ssssssssss rrrrr>  SVC port error has been detected. SS: Component subtype MM: SVC module ID (30 - 31) PP: Port number (00 - 17 (hexadecimal)) r: SVC number (0 - 1) pp: Port number (00 - 23 (decimal)) pp...: Component number ss...: Serial number rr...: Version	Parts Warning



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Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 61SSMMPP  Notification target: DX900 S5 DX8900 S4	5	6100MMPP	-	SVC#nPORT#ppWarning <pppppppppppp ssssssssss rrrrr> fac(ffff)  SVC port error has been detected. SS: Component subtype MM: SVC module ID (30 - 31) PP: Port number (00 - 17 (hexadecimal)) r: SVC number (0 - 1) pp: Port number (00 - 23 (decimal)) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

**Table 46 Warning Messages (Event Type Code: J 7000J00 through J 7300J0n)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 7000J00  Notification target: DX8700 S3 DX8900 S3	5	7000J00	-	CE#jjWarning <pppppppppppp ssssssssss rrrrr>  CE error has been detected. jj: CE number (00 - 0B) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 7000J00  Notification target: DX900 S5 DX8900 S4	5	7000J00	-	CE#jjWarning <pppppppppppp ssssssssss rrrrr> fac(ffff)  CE error has been detected. jj: CE number (00 - 0B) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 70060r00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2 AF650 S2/AF650 DX60 S5/S4 DX100 S5/S4 DX200 S5/S4 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	5	76000r00	-	BATTERY#n 6MONTH WARNING YYYY/MM  6 months before the battery expiration date. r: Battery slot number (0 - 2) YYYY/MM: Expiration date When there are multiple batteries with the same expiration date, other Slot numbers are also reported with the smallest Slot number. (Example) For battery slot numbers 0, 1, and 2 - E-mail J 70060000 BATTERY#0/1/2 ..... - Syslog or SNMP J 70060000 BATTERY#0/1/2 ..... J 70060100 BATTERY#1 ..... J 70060200 BATTERY#2 .....	Battery life Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 7006/J0n  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	5	7600/J0n	-	BATTERY#n (on CE#jj) 6MONTH WARNING YYYY/MM	Battery life Warning
				6 months before the battery expiration date. //: CE number (00 - 0B) n: Battery slot number (0 - 2) jj: CE number (00 - 0b) YYYY/MM: Expiration date When there are multiple batteries with the same expiration date, other Slot numbers are also reported with the smallest Slot number. (Example) For battery slot numbers 0, 1, and 2 - E-mail J 70060100 BATTERY#0/1/2 ..... - Syslog or SNMP J 70060100 BATTERY#0/1/2 ..... J 70060101 BATTERY#1 ..... J 70060102 BATTERY#2 .....	
J 70070/n00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2 AF650 S2/AF650 DX60 S5/S4 DX100 S5/S4 DX200 S5/S4 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	5	76000/n00	-	BATTERY#n 1WEEK WARNING YYYY/MM	Battery life Warning
				1 week before the battery expiration date. n: Battery slot number (0 - 2) YYYY/MM: Expiration date When there are multiple batteries with the same expiration date, other Slot numbers are also reported with the smallest Slot number. (Example) For battery slot numbers 0, 1, and 2 - E-mail J 70070000 BATTERY#0/1/2 ..... - Syslog or SNMP J 70070000 BATTERY#0/1/2 ..... J 70070100 BATTERY#1 ..... J 70070200 BATTERY#2 .....	
J 7007/J0n  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	5	7600/J0n	-	BATTERY#n (on CE#jj) 1WEEK WARNING YYYY/MM	Battery life Warning
				1 week before the battery expiration date. //: CE number (00 - 0B) n: Battery slot number (0 - 2) jj: CE number (00 - 0b) YYYY/MM: Expiration date When there are multiple batteries with the same expiration date, other Slot numbers are also reported with the smallest Slot number. (Example) For battery slot numbers 0, 1, and 2 - E-mail J 70070100 BATTERY#0/1/2 ..... - Syslog or SNMP J 70070100 BATTERY#0/1/2 ..... J 70070101 BATTERY#1 ..... J 70070102 BATTERY#2 .....	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 70070n00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2 AF650 S2/AF650 DX60 S5/S4 DX100 S5/S4 DX200 S5/S4 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	5	76000n00	-	BATTERY#n dDAY WARNING YYYY/MM	Battery life Warning
				d days before the battery expiration date. n: Battery slot number (0 - 2) d: Days (0 - 6) YYYY/MM: Expiration date When there are multiple batteries with the same expiration date, other Slot numbers are also reported with the smallest Slot number. (Example) For battery slot numbers 0, 1, and 2 - E-mail J 70070000 BATTERY#0/1/2 ..... - Syslog or SNMP J 70070000 BATTERY#0/1/2 ..... J 70070100 BATTERY#1 ..... J 70070200 BATTERY#2 .....	
J 7007j0n  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	5	7600j0n	-	BATTERY#n (on CE#j) dDAY WARNING YYYY/MM	Battery life Warning
				d days before the battery expiration date. j: CE number (00 - 0B) n: Battery slot number (0 - 2) j: CE number (00 - 0b) d: Days (0 - 6) YYYY/MM: Expiration date When there are multiple batteries with the same expiration date, other Slot numbers are also reported with the smallest Slot number. (Example) For battery slot numbers 0, 1, and 2 - E-mail J 70070100 BATTERY#0/1/2 ..... - Syslog or SNMP J 70070100 BATTERY#0/1/2 ..... J 70070101 BATTERY#1 ..... J 70070102 BATTERY#2 .....	
J 70FE0n00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2 AF650 S2/AF650 DX60 S5/S4 DX100 S5/S4 DX200 S5/S4 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	3	76000n00	-	BATTERY#n EXPIRATION ALARM YYYY/MM	End of battery life
				Battery expiration date has passed. n: Battery slot number (0 - 2) YYYY/MM: Expiration date When there are multiple batteries with the same expiration date, other Slot numbers are also reported with the smallest Slot number. (Example) For battery slot numbers 0, 1, and 2 - E-mail J 70FE0000 BATTERY#0/1/2 ..... - Syslog or SNMP J 70FE0000 BATTERY#0/1/2 ..... J 70FE0100 BATTERY#1 ..... J 70FE0200 BATTERY#2 .....	

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Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 70FE/J0n  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	5	7600/J0n	-	BATTERY#n (on CE#jj) EXPIRATION ALARM YYYY/MMM	End of battery life
				Battery expiration date has passed. jj: CE number (00 - 0B) n: Battery slot number (0 - 2) jj: CE number (00 - 0b) YYYY/MMM: Expiration date When there are multiple batteries with the same expiration date, other Slot numbers are also reported with the smallest Slot number. (Example) For battery slot numbers 0, 1, and 2 <ul style="list-style-type: none"> <li>- E-mail J 70FE0100 BATTERY#0/1/2 .....</li> <li>- Syslog or SNMP J 70FE0100 BATTERY#0/1/2 .....</li> <li>J 70FE0101 BATTERY#1 .....</li> <li>J 70FE0102 BATTERY#2 .....</li> </ul>	
J 72.SS/J00  Notification target: DX8700 S3 DX8900 S3	5	7200/J00	-	PANEL UNIT (on CE#jj) Warning <pppppppppppp ssssssssss rrrr>	Parts Warning
				CE panel error has been detected. SS: Component subtype jj: CE number (00 - 0B) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	
J 72.SS/J00  Notification target: DX900 S5 DX8900 S4	5	7200/J00	-	PANEL UNIT (on CE#jj) Warning <pppppppppppp ssssssssss rrrr> fac(ffff)	Parts Warning
				CE panel error has been detected. SS: Component subtype jj: CE number (00 - 0B) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
J 73000/n00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	73000/n00	0	Power Supply Unit/CPSU#n Warning <pppppppppppp ssssssssss rrrr>	Parts Warning
				CE PSU error has been detected. n: CPSU slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	
J 73000/n00  Notification target: AF650 S3 DX500 S5/DX600 S5 DX8100 S4	5	73000/n00	0	Power Supply Unit/CPSU#n Warning <pppppppppppp ssssssssss rrrr> fac(ffff)	Parts Warning
				CE PSU error has been detected. n: CPSU slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 7300J0n  Notification target: DX8700 S3 DX8900 S3	5	7300J0n	0	Power Supply Unit/CPSU#n (on CE#jj) Warning <pppppppppppp ssssssssss rrrr>  CE PSU error has been detected. jj: CE number (00 - 0B) n: CPSU slot number (0 - 1) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 7300J0n  Notification target: DX900 S5 DX8900 S4	5	7300J0n	0	Power Supply Unit/CPSU#n (on CE#jj) Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  CE PSU error has been detected. jj: CE number (00 - 0B) n: CPSU slot number (0 - 1) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

\*1: This row indicates TrapWarningInfo for Trap No. 5 and TrapSensorInfo for Trap No. 6.

**Table 47 Warning Messages (Event Type Code: J 75000nxx through J 7800Jjxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 75000n00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	75000n00	0	BCU#n Warning <pppppppppppp ssssssssss rrrr>  BCU error has been detected. n: BCU slot number (0 - 2) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 75000n00  Notification target: AF650 S3 DX500 S5/DX600 S5 DX8100 S4	5	75000n00	0	BCU#n Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  BCU error has been detected. n: BCU slot number (0 - 2) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 7500/J0n  Notification target: DX8700 S3 DX8900 S3	5	7500/J0n	0	BCU#n (on CE#jj) Warning <pppppppppppp ssssssssss rrrr>  BCU error has been detected. jj: CE number (00 - 0B) n: BCU slot number (0 - 2) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 7500/J0n  Notification target: DX900 S5 DX8900 S4	5	7500/J0n	0	BCU#n (on CE#jj) Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  BCU error has been detected. jj: CE number (00 - 0B) n: BCU slot number (0 - 2) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 76000/r00  Notification target: AF650 S2/AF650 DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	76000/r00	0	BTU#n Warning <pppppppppppp ssssssssss rrrr>  BTU error has been detected. n: BTU slot number (0 - 2) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 76000/r00  Notification target: AF650 S3 DX500 S5/DX600 S5 DX8100 S4	5	76000/r00	0	BTU#n Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  BTU error has been detected. n: BTU slot number (0 - 2) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J 7600/J0n  Notification target: DX8700 S3 DX8900 S3	5	7600/J0n	0	BTU#n (on CE#jj) Warning <pppppppppppp ssssssssss rrrr>  BTU error has been detected. jj: CE number (00 - 0B) n: BTU slot number (0 - 2) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 7600/J0n  Notification target: DX900 S5 DX8900 S4	5	7600/J0n	0	BTU#n (on CE#jj) Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  BTU error has been detected. jj: CE number (00 - 0B) n: BTU slot number (0 - 2) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 7700MM0n  Notification target: DX500 S4/S3 DX600 S4/S3	5	7700MM0n	0	Controller Module#m(zz) HHL PFM#n Warning <pppppppppppp ssssssssss rrrrr>	Parts Warning
				PFM error has occurred. MM: CM module ID (10 - 11) n: PFM slot number (0 - 1) m: CM number (0 - 1) zz: Model name pp...: Component number ss...: Serial number rr...: Version	
J 7700MM0n  Notification target: DX8700 S3 DX8900 S3	5	7700MM0n	0	Controller Module#m(zz) CE#jj HHL PFM#n Warning <pppppppppppp ssssssssss rrrrr>	Parts Warning
				PFM error has been detected. MM: CM module ID (10 - 1B, 20 - 2B) n: PFM slot number (0 - 1) m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	
J 7700000n  Notification target: DX500 S5/DX600 S5	5	7700000n	0	PFM#n Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Warning
				PFM error has been detected. n: PFM slot number (0 - 7) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
J 7700J0n  Notification target: DX900 S5 DX8900 S4	5	7700J0n	0	PFM#n (on CE#jj) Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Warning
				PFM error has been detected. jj: CE number (00 - 0B) n: PFM slot number (0 - 7) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
J 780000np  Notification target: DX500 S5/DX600 S5	5	780000np	0	PFM#n PORT#p Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Warning
				PFM port error has been detected. n: PFM slot number (0 - 7) p: Port number (0 - 3) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	

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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J 7800Jnp  Notification target: DX900 S5 DX8900 S4	5	7800Jnp	0	PFM#n PORT#p (on CE#jj) Warning <ppppppppppp sssssssss rrrr> fac(ffff)  PFM port error has been detected. jj: CE number (00 - 0B) n: PFM slot number (0 - 7) p: Port number (0 - 3) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

\*1: This row indicates TrapWarningInfo for Trap No. 5 and TrapSensorInfo for Trap No. 6.

**Table 48 Warning Messages (Event Type Code: J 7A000000 through J 7B00J00)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Sensor Info	Lower: Description	
J 7A000000  Notification target: AF650 S3 AF650 S2/AF650 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	6	7A000000	1	CE Exhaust temperature Warning  CE exhaust temperature error (Warning) has been detected.	Temperature Warning
J 7A00J00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	6	7A00J00	1	CE Exhaust temperature CE#jjWarning  CE exhaust temperature error (Warning) has been detected. jj: CE number (00 - 0B) jj: CE number (00 - 0b)	Temperature Warning
J 7B000000  Notification target: AF650 S3 AF650 S2/AF650 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	6	7B000000	1	CE Intake temperature Warning  CE intake temperature error (Warning) has been detected.	Temperature Warning
J 7B00J00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	6	7B00J00	1	CE Intake temperature CE#jjWarning  CE intake temperature error (Warning) has been detected. jj: CE number (00 - 0B) jj: CE number (00 - 0b)	Temperature Warning



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**Table 49 Warning Messages (Event Type Code: J 80SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
<p>J 80SSuuNN</p> <p>Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3</p>	5	8000uuNN	0	<p>HDD 3.5 DE#uu-Disk#nn(SAS xxxGB ykrpm cccccc) SMART (hhh) &lt;pppppppppppp ssssssssssss rrrr tttttt qq&gt;</p> <p>SMART is reported from the HDD. SS: Component subtype uu: DE-ID NN: Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nn: Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code</p>	Drive Warning
<p>J 80SSuuNN</p> <p>Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3</p>	5	8000uuNN	0	<p>HDD 3.5 DE#uu-Disk#nn(SAS xxxGB ykrpm cccccc) Warning (hhh) &lt;pppppppppppp ssssssssssss rrrr tttttt qq&gt;</p> <p>HDD error has been detected. SS: Component subtype uu: DE-ID NN: Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nn: Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code</p>	<p>Drive Warning</p> <p>Drive Warning of HDD Shield</p>

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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 80.SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	5	8000uuNN	0	HDD 3.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) WarnSlow (hhh) <pppppppppppp ssssssssss rrrr tttttt qq>  SMART occurs because of disk performance error in the HDD. SS: Component subtype uu: DE-ID NN: Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nn: Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Warning
J 80.SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	5	8000uuNN	0	HDD 3.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) SlowDown (hhh) <pppppppppppp ssssssssss rrrr tttttt qq>  Disk performance error in the HDD has been detected. SS: Component subtype uu: DE-ID NN: Disk slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nn: Disk slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Warning

\*1: This item is displayed for V10L20 or later.

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**Table 50 Warning Messages (Event Type Code: J 81SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 81.SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	5	8000uuNN	0	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) SMART (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Warning
				SMART is reported from the HDD. SS: Component subtype uu: DE-ID NN: Disk slot number (0 – 17 (hexadecimal)) nn: Disk slot number (0 – 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	
J 81.SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	5	8000uuNN	0	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) Warning (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Warning  Drive Warning of HDD Shield
				HDD error has been detected. SS: Component subtype uu: DE-ID NN: Disk slot number (0 – 17 (hexadecimal)) nn: Disk slot number (0 – 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	
J 81.SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	5	8000uuNN	0	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB yykrpm cccccc) WarnSlow (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>	Drive Warning
				SMART occurs because of disk performance error in the HDD. SS: Component subtype uu: DE-ID NN: Disk slot number (0 – 17 (hexadecimal)) nn: Disk slot number (0 – 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*2): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	

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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 81SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	5	8000uuNN	0	HDD 2.5 DE#uu-Disk#nn(SAS xxxGB ykrpm cccccc) SlowDown (hhh) <pppppppppppp ssssssssss rrrr tttttt qq>  Disk performance error in the HDD has been detected. SS: Component subtype uu: DE-ID NN: Disk slot number (0 - 17 (hexadecimal)) nn: Disk slot number (0 - 23 (decimal)) xxx: Disk capacity (GB/TB) yy: Disk speed cc...: Disk information (RAID level or hot spare (Spare)) hhhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Warning

\*1: This item is displayed for V10L20 or later.

**Table 51 Warning Messages (Event Type Code: J 84SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 84SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	5	8000uuNN	0	SSD 3.5 DE#uu-Slot#nn(SAS xxxGB cccccc) SMART (hhh) <pppppppppppp ssssssssss rrrr tttttt qq>  SMART is reported from the SSD. SS: Component subtype uu: DE-ID NN: SSD slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nn: SSD slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: SSD capacity (GB/TB) cc...: SSD information (RAID level or hot spare (Spare)) hhhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Warning

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 84.SSuuNN  Notification target: DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	5	8000uuNN	0	SSD 3.5 DE# uu-Slot# nn(SAS xxxGB cccccc) Warning (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>  SSD error has been detected. SS: Component subtype uu: DE-ID NN: SSD slot number (3.5" type DEs: 0 - 0b (hexadecimal), high-density DEs: 0 - 3b (hexadecimal)) nn: SSD slot number (3.5" type DEs: 0 - 11 (decimal), high-density DEs: 0 - 59 (decimal)) xxx: SSD capacity (GB/TB) cc...: SSD information (RAID level or hot spare (Spare)) hhh (*1): DE type (HDDE: high-density DEs, DE: 3.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Warning  Drive Warning of HDD Shield

\*1: This item is displayed for V10L20 or later.

**Table 52 Warning Messages (Event Type Code: J 85SSuuNN)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 85.SSuuNN  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	5	8000uuNN	0	SSD 2.5 DE# uu-Slot# nn(SAS xxxGB cccccc) SMART (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>  SMART is reported from the SSD. SS: Component subtype uu: DE-ID NN: SSD slot number (0 - 17 (hexadecimal)) nn: SSD slot number (0 - 23 (decimal)) xxx: SSD capacity (GB/TB) cc...: SSD information (RAID level or hot spare (Spare)) hhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Warning

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J 85SSuuNN  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	5	8000uuNN	0	SSD 2.5 DE# uu-Slot# nn(SAS xxxGB cccccc) Warning (hhh) <pppppppppppp ssssssssssss rrrr tttttt qq>  SSD error has been detected. SS: Component subtype uu: DE-ID NN: SSD slot number (0 – 17 (hexadecimal)) nn: SSD slot number (0 – 23 (decimal)) xxx: SSD capacity (GB/TB) cc...: SSD information (RAID level or hot spare (Spare)) hhh (*1): DE type (DE: 2.5" type DEs) pp...: Component number ss...: Serial number rr...: Version tt...: Data code qq: Configuration code	Drive Warning  Drive Warning of HDD Shield

\*1: This item is displayed for V10L20 or later.

**Table 53 Warning Messages (Event Type Code: 90SSuuxx through J A2SSuuxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap-Warnin-gInfo	Lower: Description	
J 90SSuu0n  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	5	9000uu0n	0	IOM DE# uu/IOM# n Warning <pppppppppppp ssssssssss rrrr>  DE IOM error has been detected. SS: Component subtype uu: DE-ID n: IOM number (0 – 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 90SSuu0n  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	5	9000uu0n	0	IOM DE# uu/IOM# n Warning <pppppppppppp ssssssssss rrrr> fac(fff)  DE IOM error has been detected. SS: Component subtype uu: DE-ID n: IOM number (0 – 1) pp...: Component number ss...: Serial number rr...: Version fff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap-Warnin-gInfo	Lower: Description	
J 91SSuunp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	5	9100uunp	0	IOM Port DE#uu/IOM#n/Port#p Warning <ppppppppppp sssssssss rrrr>  DE port error has been detected. SS: Component subtype uu: DE-ID p: Port number (0 - 1) r: IOM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J 91SSuunp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	5	9100uunp	0	IOM Port DE#uu/IOM#n/Port#p Warning <ppppppppppp sssssssss rrrr> fac(fff)  DE port error has been detected. SS: Component subtype uu: DE-ID p: Port number (0 - 1) r: IOM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version fff: Factor code	Parts Warning
J 9ASSuunp  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	5	9100uunp	0	IOM mini SAS HD DE#uu/IOM#n/Port#p Warning <ppppppppppppppppp ssssssssssssss rrrr 0000000>  mini SAS HD port error has been detected. SS: Component subtype uu: DE-ID r: IOM number (0 - 1) p: Port number (0 - 1) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information	Parts Warning
J 9ASSuunp  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	5	9100uunp	0	IOM mini SAS HD DE#uu/IOM#n/Port#p Warning <ppppppppppppppppp ssssssssssssss rrrr 0000000> fac(fff)  mini SAS HD port error has been detected. SS: Component subtype uu: DE-ID r: IOM number (0 - 1) p: Port number (0 - 1) pp...: Component number ss...: Serial number rr...: Version oo...: Additional information fff: Factor code	Parts Warning
J A0SSu0n  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	5	A000u0n	0	FEM DE#uu/FEM#n Warning <ppppppppppp ssssssssss rrrr>  FEM error has been detected. SS: Component subtype uu: DE-ID r: FEM slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning

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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap-Warnin-gInfo	Lower: Description	
J A0.SSuu0n  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	5	A000uu0n	0	FEM DE#uu/FEM#n Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Warning
				FEM error has been detected. SS: Component subtype uu: DE-ID n: FEM slot number (0 – 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
J A1.SSuunp  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	5	A100uunp	0	FEM Port DE#uu/FEM#n/Port#p Warning <pppppppppppp ssssssssss rrrrr>	Parts Warning
				FEM port error has been detected. SS: Component subtype uu: DE-ID n: FEM slot number (0 – 1) p: Port number (0 – 1) pp...: Component number ss...: Serial number rr...: Version	
J A1.SSuunp  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	5	A100uunp	0	FEM Port DE#uu/FEM#n/Port#p Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Warning
				FEM port error has been detected. SS: Component subtype uu: DE-ID n: FEM slot number (0 – 1) p: Port number (0 – 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	
J A2.SSuunv  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	5	A200uunv	0	FEM EXP DE#uu/FEM#n/EXP#v Warning <pppppppppppp ssssssssss rrrrr>	Parts Warning
				FEM EXP error has been detected. SS: Component subtype uu: DE-ID n: FEM slot number (0 – 1) v: Device number (0 – 1) pp...: Component number ss...: Serial number rr...: Version	
J A2.SSuunv  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	5	A200uunv	0	FEM EXP DE#uu/FEM#n/EXP#v Warning <pppppppppppp ssssssssss rrrrr> fac(ffff)	Parts Warning
				FEM EXP error has been detected. SS: Component subtype uu: DE-ID n: FEM slot number (0 – 1) v: Device number (0 – 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	



1. Event Notification Message List  
Message List

**Table 54 Warning Messages (Event Type Code: J C1M0000 through J C12BMMxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J C1MM0000  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0100MM00	0	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CM# <i>m</i> ) Reboot < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  CA is rebooted. <i>MM</i> : CA module ID (40 – 7F) <i>S</i> : CA slot number (0 – 1) <i>V</i> : Device number (0 – 1) <i>zz</i> : CA type <i>m</i> : CM number (0 – 1) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J C1MM0000  Notification target: DX100 S4/S3	5	0100MM00	0	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CM-FC# <i>m</i> ) Reboot < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  CA is rebooted. <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>V</i> : Device number (0) <i>zz</i> : CA type <i>m</i> : CM number (0-1) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J C1MM0000  Notification target: DX60 S4/S3	5	0100MM00	0	CA Slot# <i>S</i> (on CM-iSCSI# <i>m</i> ) Reboot < <i>pppppppppppp sssssssss rrrrr</i> >  CA is rebooted. <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0-1) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J C1MM0000  Notification target: DX60 S4/S3	5	0100MM00	0	CA Slot# <i>S</i> (on CM-iSCSI 10GT# <i>m</i> ) Reboot < <i>pppppppppppp sssssssss rrrrr</i> >  CA is rebooted. <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0-1) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J C1MM0000  Notification target: DX60 S4/S3	5	0100MM00	0	CA Slot# <i>S</i> (on CM-SAS# <i>m</i> ) Reboot < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  CA is rebooted. <i>MM</i> : CA module ID (40, 41) <i>S</i> : CA slot number (0) <i>m</i> : CM number (0-1) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning

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Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J C1MM0000  Notification target: DX60 S4/S3	5	0100MM00	0	CA Slot# <i>S</i> (on CM-SAS 12G# <i>m</i> ) Reboot <pppppppppppp ssssssssss rrrrr>  CA is rebooted. MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J C1MM0000  Notification target: DX60 S4/S3	5	0100MM00	0	CA Slot# <i>S</i> (on CM-FC# <i>m</i> ) Reboot <pppppppppppp ssssssssss rrrrr>  CA is rebooted. MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J C1MM0000  Notification target: DX8700 S3 DX8900 S3	5	0100MM00	0	CA Slot# <i>S-V</i> (zz) (on CE#jjCM# <i>m</i> ) Reboot <pppppppppppp ssssssssss rrrrr>  CA is rebooted. MM: CA module ID (40 - FF) S: CA slot number (0 - 3) V: Device number (0 - 1) zz: CA type jj: CE number (00 - 0b) m: CM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J C1MM0000  Notification target: AF150 S3/AF250 S3 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0100MM00	0	CA Slot# <i>S-V</i> (zz) (on CM# <i>m</i> ) Reboot <pppppppppppp ssssssssss rrrrr> fac(ffff)  CA is rebooted. MM: CA module ID (40 - 7F) S: CA slot number (0 - 1) V: Device number (0 - 1) zz: CA type m: CM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J C1MM0000  Notification target: DX100 S5	5	0100MM00	0	CA Slot# <i>S-V</i> (zz) (on CM-FC# <i>m</i> ) Reboot <pppppppppppp ssssssssss rrrrr> fac(ffff)  CA is rebooted. MM: CA module ID (40, 41) S: CA slot number (0) V: Device number (0) zz: CA type m: CM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J C1MM0000  Notification target: DX60 S5	5	0100MM00	0	CA Slot#S (on CM-iSCSI#m) Reboot <pppppppppppp ssssssssss rrrrr> fac(ffff)  CA is rebooted. MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 -1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J C1MM0000  Notification target: DX60 S5	5	0100MM00	0	CA Slot#S (on CM-iSCSI 10GT#m) Reboot <pppppppppppp ssssssssss rrrrr> fac(ffff)  CA is rebooted. MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 -1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J C1MM0000  Notification target: DX60 S5	5	0100MM00	0	CA Slot#S (on CM-SAS#m) Reboot <pppppppppppp sssssssssss rrrrr> fac(ffff)  CA is rebooted. MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 -1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J C1MM0000  Notification target: DX60 S5	5	0100MM00	0	CA Slot#S (on CM-SAS 12G#m) Reboot <pppppppppppp sssssssssss rrrrr> fac(ffff)  CA is rebooted. MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 -1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J C1MM0000  Notification target: DX60 S5	5	0100MM00	0	CA Slot#S (on CM-FC#m) Reboot <pppppppppppp sssssssssss rrrrr> fac(ffff)  CA is rebooted. MM: CA module ID (40, 41) S: CA slot number (0) m: CM number (0 -1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J C1 <i>MM</i> 0000  Notification target: DX900 S5 DX8900 S4	5	0100 <i>MM</i> 00	0	CA Slot# <i>S-V</i> ( <i>zz</i> ) (on CE# <i>jj</i> CM# <i>m</i> ) Reboot < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> > fac( <i>ffff</i> )  CA is rebooted. <i>MM</i> : CA module ID (40 - FF) <i>S</i> : CA slot number (0 - 3) <i>V</i> : Device number (0 - 1) <i>zz</i> : CA type <i>jj</i> : CE number (00 - 0b) <i>m</i> : CM number (0 - 1) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Warning
J C1 <i>MM</i> 0000  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3	5	0100 <i>MM</i> 00	0	Controller Module# <i>m</i> ( <i>zz</i> ) Reboot < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> >  CM is rebooted. <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J C1 <i>MM</i> 0000  Notification target: DX8700 S3 DX8900 S3	5	0100 <i>MM</i> 00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) Reboot < <i>pppppppppppp ssssssssss rrrrr</i> >  CM is rebooted. <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J C1 <i>MM</i> 0000  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4	5	0100 <i>MM</i> 00	0	Controller Module# <i>m</i> ( <i>zz</i> ) Reboot < <i>pppppppppppp</i> <i>sssssssss rrrrr</i> > fac( <i>ffff</i> ) panic code[ <i>cccccccc</i> ]  CM is rebooted. <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code <i>cc...</i> : Panic code	Parts Warning

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J C1MM0000  Notification target: DX900 S5 DX8900 S4	5	0100MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) Reboot < <i>pppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> ) panic code[ <i>ccccccc</i> ]  CM is rebooted. <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code <i>cc...</i> : Panic code	Parts Warning
J C12BMM00  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	5	2B00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) NAS Engine Reboot < <i>pppppppppppp ssssssssss rrrrr</i> >  CM NAS Engine is rebooted. <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version	Parts Warning
J C12BMM00  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5	5	2B00MM00	-	Controller Module# <i>m</i> ( <i>zz</i> ) NAS Engine Reboot < <i>pppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  CM NAS Engine is rebooted. <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp...</i> : CM component number <i>ss...</i> : CM serial number <i>rr...</i> : CM version <i>ffff</i> : Factor code	Parts Warning

Table 55 Warning Messages (Event Type Code: J C140MMxx through J C1A0uuxx)

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J C140MM00  Notification target: DX8700 S3 DX8900 S3	5	4000MM00	-	FRT# <i>n</i> Reboot < <i>pppppppppppp ssssssssss rrrrr</i> >  FRT is rebooted. <i>MM</i> : FRT module ID (38 - 3B) <i>n</i> : FRT number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version	Parts Warning
J C140MM00  Notification target: DX900 S5 DX8900 S4	5	4000MM00	-	FRT# <i>n</i> Reboot < <i>pppppppppppp ssssssssss rrrrr</i> > fac( <i>ffff</i> )  FRT is rebooted. <i>MM</i> : FRT module ID (38 - 3B) <i>n</i> : FRT number (0 - 3) <i>pp...</i> : Component number <i>ss...</i> : Serial number <i>rr...</i> : Version <i>ffff</i> : Factor code	Parts Warning

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Message List

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info	Lower: Description	
J C160MM00  Notification target: DX8700 S3 DX8900 S3	5	6000MM00	-	SVC#n Reboot <pppppppppppp ssssssssss rrrrr>  SVC is rebooted. MM: SVC module ID (30 - 31) r: SVC number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J C160MM00  Notification target: DX900 S5 DX8900 S4	5	6000MM00	-	SVC#n Reboot <pppppppppppp ssssssssss rrrrr> fac(ffff)  SVC is rebooted. MM: SVC module ID (30 - 31) r: SVC number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J C190uu0n  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX200F DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	5	9000uu0n	0	IOM DE#uu/IOM#n Reboot <pppppppppppp ssssssssss rrrrr>  IOM is rebooted. uu: DE-ID r: IOM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J C190uu0n  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	5	9000uu0n	0	IOM DE#uu/IOM#n Reboot <pppppppppppp ssssssssss rrrrr> fac(ffff)  IOM is rebooted. uu: DE-ID r: IOM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J C1A0uu0n  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	5	A000uu0n	0	FEM DE#uu/FEM#n Reboot <pppppppppppp ssssssssss rrrrr>  FEM is rebooted. uu: DE-ID r: FEM slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J C1A0uu0n  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	5	A000uu0n	0	FEM DE#uu/FEM#n Reboot <pppppppppppp ssssssssss rrrrr> fac(ffff)  FEM is rebooted. uu: DE-ID r: FEM slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning

1. Event Notification Message List  
Message List

**Table 56 Warning Messages (Event Type Code: J C3SSMMxx through J DBSSuuxx)**

Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
<p>J C3.SSMMnn</p> <p>Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3</p>	5	0B00MMnn	0	<p>Controller Module#<i>m</i>(<i>zz</i>) Cache(MEM #xGB) Slot#<i>nn</i> Correctable Error &lt;<i>pppppppppppppppppppp ssssssssssss rrr-rrr</i>&gt;</p> <p>Many correctable errors occurred in the CM memory. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 – 11) <i>rr</i>: CM number (0 – 1) <i>zz</i>: Model name <i>x</i>: Capacity of the cache memory <i>nn</i>: Slot number of the cache memory module <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version</p>	Parts Warning
<p>J C3.SSMMnn</p> <p>Notification target: DX8700 S3 DX8900 S3</p>	5	0B00MMnn	0	<p>Controller Module#<i>m</i>(<i>zz</i>) (on CE#<i>jj</i>) Cache(MEM #xGB) Slot#<i>nn</i> Correctable Error &lt;<i>pppppppppppppppppppp ssssssssssss rrrrrr</i>&gt;</p> <p>Many correctable errors occurred in the CM memory. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 1B, 20 - 2B) <i>nn</i>: Slot number of the cache memory module <i>rr</i>: CM number (0 – 1) <i>zz</i>: Model name <i>jj</i>: CE number (00 - 0b) <i>x</i>: Capacity of the cache memory <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version</p>	Parts Warning
<p>J C3.SSMMnn</p> <p>Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX8100 S4</p>	5	0B00MMnn	0	<p>Controller Module#<i>m</i>(<i>zz</i>) Cache(MEM #xGB) Slot#<i>nn</i> Correctable Error &lt;<i>pppppppppppppppppppp ssssssssssss rrr-rrr</i>&gt; fac(<i>fff</i>)</p> <p>Many correctable errors occurred in the CM memory. <i>SS</i>: Component subtype <i>MM</i>: CM module ID (10 - 11) <i>rr</i>: CM number (0 – 1) <i>zz</i>: Model name <i>x</i>: Capacity of the cache memory <i>nn</i>: Slot number of the cache memory module <i>pp...</i>: Component number <i>ss...</i>: Serial number <i>rr...</i>: Version <i>fff</i>: Factor code</p>	Parts Warning

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
J C3.SMMnn  Notification target: DX900 S5 DX8900 S4	5	0B00MMnn	0	Controller Module#m(zz) (on CE#jj) Cache(MEM#xGB) Slot#nn Correctable Error <pppppppppppppppp ssssssssss rrrrr> fac(ffff)  Many correctable errors occurred in the CM memory. SS: Component subtype MM: CM module ID (10 - 1B, 20 - 2B) nn: Slot number of the cache memory module m: CM number (0 - 1) zz: Model name jj: CE number (00 - 0b) x: Capacity of the cache memory pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J D2.SSu0n  Notification target: AF250 S2/AF250 AF650 S2/AF650 DX60 S4/S3 DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3 DX8100 S3 DX8700 S3 DX8900 S3	5	D200uu0n	0	Power Supply Unit DE#uu/PSU#n Warning <pppppppppppp ssssssssss rrrr>  PSU error has been detected. SS: Component subtype uu: DE-ID n: PSU number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Parts Warning
J D2.SSu0n  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8100 S4 DX8900 S4	5	D200uu0n	0	Power Supply Unit DE#uu/PSU#n Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  PSU error has been detected. SS: Component subtype uu: DE-ID n: PSU number (0 - 1) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
J D3.SSu0n  Notification target: DX100 S4/S3 DX200 S4/S3 DX500 S4/S3 DX600 S4/S3	5	D300uu0n	0	Power Supply Unit HDDE#uu/PSU#n Warning <pppppppppppp ssssssssss rrrr>  PSU error has been detected. SS: Component subtype uu: DE-ID n: PSU number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	Parts Warning



1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Warning Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
JD3SSuu0n  Notification target: DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	5	D300uu0n	0	Power Supply Unit HDDE# uu/PSU# n Warning <pppppppppppp ssssssssss rrrr> fac(ffff)  PSU error has been detected. SS: Component subtype uu: DE-ID rr: PSU number (0 - 3) pp...: Component number ss...: Serial number rr...: Version ffff: Factor code	Parts Warning
JDASSuu00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	6	DA00uu00	1	DE Exhaust temperature DE# uu Warning  DE exhaust temperature error (Warning) has been detected. SS: Component subtype uu: DE-ID	Temperature Warning
JDBSSuu00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	6	DB00uu00	1	DE Intake temperature DE# uu Warning  DE intake temperature error (Warning) has been detected. SS: Component subtype uu: DE-ID	Temperature Warning

\*1: This row indicates TrapWarningInfo for Trap No. 5 and TrapSensorInfo for Trap No. 6.

## Warning Messages (When the Event Type is "W")

This section describes the messages for "W" type events that are sent when the severity is "Warning". The following messages are sent when a warning-level event occurs.

### Note

- The types of messages that are notified vary depending on the event notification setting.
- Depending on the items enabled for Warning Level of the event notification setting, a message is notified when an error occurs in the target component.
- Message notifications are suppressed during maintenance operations.

**Table 57 Warning Messages (Event Type Code: W 400110xx through W 401000xx)**

Event type code	SNMP Trap	Upper: Message	Warning Level item
	TrapNo.	Lower: Description	
W 01000xxx  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	RAID Group <i>\$a</i> lost redundancy.	RAID Group Redundancy Lost or Recovered
		The RAID group lost redundancy. <i>\$a</i> : RAID group number (3-character lowercase hexadecimal)	
W 01010xxx  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	RAID Group <i>\$a</i> recovered redundancy.	RAID Group Redundancy Lost or Recovered
		The RAID group recovered redundancy. <i>\$a</i> : RAID group number (3-character lowercase hexadecimal)	
W 40011012  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	60	quota: error limit reached. type= <i>\$p</i> limit= <i>\$q</i>	NAS Quota Limit Exceeded
		The Quota threshold limit has been exceeded. <i>\$p</i> : Type (user   group   share) <i>\$q</i> : Threshold type (file   block)	
W 40012004  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$fsid</i> : bad dir: invalid offset. ino = <i>\$ino-num</i> offset = <i>\$offset</i>	NAS I/O Warning
		An error in the metadata area of the file system has occurred. <i>\$fsid</i> : File system ID <i>\$ino-num</i> : i node number <i>\$offset</i> : Offset information	
W 40012005  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$fsid</i> : bad dir: ino = <i>\$ino-num</i>	NAS I/O Warning
		An error in the metadata area of the file system has occurred. <i>\$fsid</i> : File system ID <i>\$ino-num</i> : i node number	
W 40012006  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$fsid</i> : bad dir: invalid flags. ino = <i>\$ino-num</i> flags = <i>\$flags</i>	NAS I/O Warning
		An error in the metadata area of the file system has occurred. <i>\$fsid</i> : File system ID <i>\$ino-num</i> : i node number <i>\$flags</i> : Flag information	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap	Upper: Message	Warning Level item
	TrapNo.	Lower: Description	
W 40012007  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$fsid</i> : bad dir: size error. ino = <i>\$ino-num</i> size= <i>\$size</i>	NAS I/O Warning
		An error in the metadata area of the file system has occurred. <i>\$fsid</i> : File system ID <i>\$ino-num</i> : i node number <i>\$size</i> : Size	
W 40012008  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : meta data read error. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in reading the metadata area of the file system has occurred. <i>\$f</i> : File system ID <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012009  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : meta data read error. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in reading the metadata area of the file system has occurred. <i>\$f</i> : File system ID <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012010  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : bitmap read error. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in reading the bitmap area of the file system has occurred. <i>\$f</i> : File system ID <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012011  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : bitmap read error. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in reading the bitmap area of the file system has occurred. <i>\$f</i> : File system ID <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012012  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	bitmap read error. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in reading the bitmap area of the file system has occurred. <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012013  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : bitmap write error. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in writing to the bitmap area of the file system has occurred. <i>\$f</i> : File system ID <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap	Upper: Message	Warning Level item
	TrapNo.	Lower: Description	
W 40012014  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : bitmap write error information was lost. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in writing to the bitmap area of the file system has occurred. File system information has been partially lost. <i>\$f</i> : File system ID <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012015  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	bitmap write error information was lost. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in writing to the bitmap area of the file system has occurred. File system information has been partially lost. <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012016  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : meta data write error. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in writing to the metadata area of the file system has occurred. <i>\$f</i> : File system ID <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012017  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : meta data write error. information was lost. type= <i>\$t</i> dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		An error in writing to the metadata area of the file system has occurred. File system information has been partially lost. <i>\$f</i> : File system ID <i>\$t</i> : Type number <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012018  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : super block write error. dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		Writing to the super block in the file system failed. <i>\$f</i> : File system ID <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	
W 40012019  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$f</i> : super block write error. information was lost. dev= <i>\$d</i> block= <i>\$b</i> size= <i>\$s</i> errcode= <i>\$e</i>	NAS I/O Warning
		Writing to the super block in the file system failed. File system information is partially lost. <i>\$f</i> : File system ID <i>\$d</i> : Device number <i>\$b</i> : Block number <i>\$s</i> : Block size <i>\$e</i> : Error code	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap	Upper: Message	Warning Level item
	TrapNo.	Lower: Description	
W 40012024  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$fsid</i> : cannot delete extent. ino= <i>\$number</i> offset= <i>\$offset</i> block= <i>\$block</i> errcode= <i>\$errcode</i>	NAS I/O Warning
		An error in the metadata area of the file system has occurred. <i>\$fsid</i> : File system ID <i>\$number</i> : i node number <i>\$offset</i> : Offset information <i>\$block</i> : Block number <i>\$errcode</i> : Internal error code	
W 40012025  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$fsid</i> : no extent exists. ino= <i>\$number</i> subnode= <i>\$subnode</i> errcode= <i>\$errcode</i>	NAS I/O Warning
		An error in the metadata area of the file system has occurred. <i>\$fsid</i> : File system ID <i>\$number</i> : i node number <i>\$subnode</i> : Subnode number <i>\$errcode</i> : Internal error code	
W 40012039  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	write error on log partition (errno= <i>\$errno</i> errcode= <i>\$error_code</i> ): <i>\$mount_point</i>	NAS I/O Warning
		An error in the metadata area of the file system has occurred. <i>\$errno</i> : Error number <i>\$error_code</i> : Internal error code <i>\$mount_point</i> : Mount point	
W 40012040  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	write error on meta partition (errno= <i>\$errno</i> errcode= <i>\$error_code</i> ): <i>\$mount_point</i>	NAS I/O Warning
		An error in the metadata area of the file system has occurred. <i>\$errno</i> : Error number <i>\$error_code</i> : Internal error code <i>\$mount_point</i> : Mount point	
W 40012047  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	61	quota: warning limit reached. type= <i>\$p</i> limit= <i>\$q</i>	NAS Quota Limit Exceeded
		The Quota warning threshold has been exceeded. <i>\$p</i> : Type (user   group   share) <i>\$q</i> : Threshold type (file   block)	
W 40020001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$mount_point</i> : volume used exceeded 95%.	Out of NAS Capacity
		The used capacity of the NAS volume has exceeded 95%. <i>\$mount_point</i> : Mount point	
W 40020002  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$mount_point</i> : volume used exceeded 98%.	Out of NAS Capacity
		The used capacity of the NAS volume has exceeded 98%. <i>\$mount_point</i> : Mount point	
W 40024401  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$m</i> : Protocol error: <i>\$i</i>	NAS Connection Error
		An illegal message has been received while communicating with the program (Metadata Server [MDS]) that maintains data integrity and consistency of the file system. The file system is unavailable. <i>\$m</i> : Mount point <i>\$d</i> : Detailed information	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap	Upper: Message	Warning Level item
	TrapNo.	Lower: Description	
W 40024502  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$m</i> . Blockade: <i>\$i</i>	NAS Connection Error
		The file system is blocked. <i>\$m</i> . Mount point <i>\$d</i> . Detailed information	
W 40024601  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	<i>\$m</i> . File system full	Out of NAS Capacity
		Data area is depleted from file system. <i>\$m</i> . Mount point	
W 40100003  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	51	extra system volume usage rate has exceeded 90%(CM# <i>\$cm</i> . <i>\$rate</i> %).	Extended System Volume Warning
		The usage rate of the extended system volumes has exceeded 90%. <i>\$cm</i> . CM number <i>\$rate</i> . Disk usage rate	

## Informational Messages (When the Event Type is "I")

This section describes the messages for "I" type events that are sent when the severity is "Info". The following messages are sent when an informational-level event occurs.

### Note

- The types of messages that are notified vary depending on the event notification setting.
- Depending on the items enabled for Informational Level of the event notification setting, a message is notified when an error occurs in the target component.

**Table 58** Informational Messages (Event Type Code: I 000000xx)

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 00000011  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The usage rate of SDP(normal) exceeded the threshold (Level1) value <i>\$a</i> % and currently is at <i>\$b</i> %.  Detail information is not displayed.  Snap Data Pool (unencrypted) usage rate exceeds the threshold (Level1) <i>\$a</i> % and reaches <i>\$b</i> %. <i>\$a</i> : Threshold of Snap Data Pool <i>\$b</i> : Usage rate of Snap Data Pool	SDP Usage Rate Over Lv1
I 00000011  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The usage rate of SDP(encrypted) exceeded the threshold (Level1) value <i>\$a</i> % and currently is at <i>\$b</i> %.  Detail information is not displayed.  Snap Data Pool (encrypted) usage rate exceeds the threshold (Level1) <i>\$a</i> % and reaches <i>\$b</i> %. <i>\$a</i> : Threshold of Snap Data Pool <i>\$b</i> : Usage rate of Snap Data Pool	SDP Usage Rate Over Lv1
I 00000012  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The usage rate of SDP(normal) exceeded the threshold (Level2) value <i>\$a</i> % and currently is at <i>\$b</i> %.  Detail information is not displayed.  Snap Data Pool (unencrypted) usage rate exceeds the threshold (Level2) <i>\$a</i> % and reaches <i>\$b</i> %. <i>\$a</i> : Threshold of Snap Data Pool <i>\$b</i> : Usage rate of Snap Data Pool	SDP Usage Rate Over Lv2

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 00000012  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The usage rate of SDP(encryption) exceeded the threshold (Level2) value <i>\$a%</i> and currently is at <i>\$b%</i> .	SDP Usage Rate Over Lv2
				Detail information is not displayed.	
				Snap Data Pool (encrypted) usage rate exceeds the threshold (Level2) <i>\$a%</i> and reaches <i>\$b%</i> . <i>\$a</i> : Threshold of Snap Data Pool <i>\$b</i> : Usage rate of Snap Data Pool	
I 00000013  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The usage rate of SDP(normal) exceeded the threshold (Level3) value <i>\$a%</i> and currently is at <i>\$b%</i> .	SDP Usage Rate Over Lv3
				Detail information is not displayed.	
				Snap Data Pool (unencrypted) usage rate exceeds the threshold (Level3) <i>\$a%</i> and reaches <i>\$b%</i> . <i>\$a</i> : Threshold of Snap Data Pool <i>\$b</i> : Usage rate of Snap Data Pool	
I 00000013  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S	9	-	-	The usage rate of SDP(encryption) exceeded the threshold (Level3) value <i>\$a%</i> and currently is at <i>\$b%</i> .	SDP Usage Rate Over Lv3
				Detail information is not displayed.	
				Snap Data Pool (encrypted) usage rate exceeds the threshold (Level3) <i>\$a%</i> and reaches <i>\$b%</i> . <i>\$a</i> : Threshold of Snap Data Pool <i>\$b</i> : Usage rate of Snap Data Pool	
I 00000014  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The usage rate of copy table exceeded the threshold value <i>\$a</i> and currently is at <i>\$b</i> .	Copy Table Size Usage Rate Over
				Detail information is not displayed.	
				Usage rate of the copy table exceeds the threshold <i>\$a%</i> and reaches <i>\$b%</i> . <i>\$a</i> : Threshold of copy table <i>\$b</i> : Usage rate of copy table	



1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 00000015  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The trial license(Local Copy) will expire on <i>YYYY-MM-DD</i> .	Trial copy license expired
				Detail information is not displayed.	
				The trial license (local copy) expires on <i>YYYY-MM-DD</i> .	
I 00000015  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The trial license(Remote Copy) will expire on <i>YYYY-MM-DD</i> .	Trial copy license expired
				Detail information is not displayed.	
				The trial license (remote copy) expires on <i>YYYY-MM-DD</i> .	
I 00000016  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The trial license(Local Copy) has expired.	Trial copy license expired
				Detail information is not displayed.	
				The trial license (local copy) has expired	
I 00000016  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	The trial license(Remote Copy) has expired.	Trial copy license expired
				Detail information is not displayed.	
				The trial license (remote copy) has expired.	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 00000018  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	No free space on Offloaded Data Transfer(ODX) Buffer Volume (Volume No.xxx)	No Free Space on ODX Buffer Volume
				Detail information is not displayed.	
				No free space in the ODX Buffer volume. xxx: ODX Buffer volume No.	
I 00000019  Notification target: AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	12	-	-	Storage Cluster Controller Connected.(GroupID xx)	Connect Storage Cluster Controller
				Detail information is not displayed.	
				When the Storage Cluster controller is set, communication for the storage system set as a pair has been restored. xx: Storage Cluster Group ID (decimal)	
I 00000020  Notification target: AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	12	-	-	Storage Cluster State Auto Changed Active. (GroupID xx Factor yy)	Automatic Change Storage Cluster Active/ Standby State
				Detail information is not displayed.	
				The Storage Cluster status has been automatically changed to Active. xx: Storage Cluster Group ID (decimal) yy: Failover Factor (Other   RAID Failure/blockage   CA Port LinkDown)	
I 00000020  Notification target: AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	12	-	-	Storage Cluster State Auto Changed Standby. (GroupID xx Factor yy)	Automatic Change Storage Cluster Active/ Standby State
				Detail information is not displayed.	
				The Storage Cluster status has been automatically changed to Standby. xx: Storage Cluster Group ID (decimal) yy: Failover Factor (Other   RAID Failure/blockage   CA Port LinkDown)	
I 00000021  Notification target: AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3 DX8100 S3 DX8700 S3	12	-	-	Storage Cluster State Manual Changed Active. (GroupID xx)	Manual Change Storage Cluster Active/Standby State
				Detail information is not displayed.	
				The Storage Cluster status has been manually changed to Active. xx: Storage Cluster Group ID (decimal)	

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 00000021  Notification target: AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4/S3	12	-	-	Storage Cluster State Manual Changed Standby. (GroupID xx)	Manual Change Storage Cluster Active/Standby State
				Detail information is not displayed.	
				The Storage Cluster status has been manually changed to Standby. xx: Storage Cluster Group ID (decimal)	
I 00000022  Notification target: AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4	13	-	-	The status of Pool (Deduplication) Changed.	(*1)
				Detail information is not displayed.	
				The deduplication status has been changed.	
I 00000023  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	15	-	-	FTRP Shrink start. (RAID Group#xxxx)	(*1)
				Detail information is not displayed.	
				The process of deleting the RAID group from the Flexible Tier Pool has been started. xxxx: RAID group number	
I 00000024  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	15	-	-	FTRP Shrink complete. (RAID Group#xxxx)	(*1)
				Detail information is not displayed.	
				The process of deleting the RAID group from the Flexible Tier Pool has been completed. xxxx: RAID group number	
I 00000025  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	15	-	-	FTRP Shrink stop. (RAID Group#xxxx)	(*1)
				Detail information is not displayed.	
				The process of deleting the RAID group from the Flexible Tier Pool has been stopped. xxxx: RAID group number	

\*1: The notification setting cannot be changed. This message is notified only with SNMP Trap.

1. Event Notification Message List  
Message List

**Table 59 Informational Messages (Event Type Code: I 010000xx through I 0733xxxx)**

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 01000010  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	User <i>&amp;a</i> Logged in from <i>&amp;b</i> ( <i>&amp;c</i> )	User login/logout
				Detail information is not displayed.	
				Logged in to the storage system. <i>&amp;a</i> : User name <i>&amp;b</i> : IP address <i>&amp;c</i> : User interface (GUI, GUI2, CLI, SMI-S, or REST)	
I 01000020  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	User <i>&amp;a</i> Logged out from <i>&amp;b</i> ( <i>&amp;c</i> )	User login/logout
				Detail information is not displayed.	
				Logged out from the storage system. <i>&amp;a</i> : User name <i>&amp;b</i> : IP address <i>&amp;c</i> : User interface (GUI, GUI2, CLI, SMI-S, or REST)	
I 01010010  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	%d RAID group(s) created	Operated RAID Group
				No= <i>&amp;a</i> Name= <i>&amp;b</i> Level= <i>&amp;c</i> CM= <i>&amp;d</i> Capacity= <i>&amp;e</i> Disk_Count= <i>&amp;f</i>	
				%d RAID groups are registered. <i>&amp;d</i> : Quantity <i>&amp;a</i> : RAID group number <i>&amp;b</i> : RAID group name <i>&amp;c</i> : RAID level <i>&amp;d</i> : Assigned CM <i>&amp;e</i> : Capacity <i>&amp;f</i> : Number of drives	
I 01010020  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	%d RAID group(s) deleted	Operated RAID Group
				No= <i>&amp;a</i> Name= <i>&amp;b</i>	
				%d RAID groups are deleted. <i>&amp;d</i> : Quantity <i>&amp;a</i> : RAID group number <i>&amp;b</i> : RAID group name	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TraptemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I01020010  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	%d hot spare(s) assigned	Added/Released Hot Spare
				Enclosure=&a Slot=&b Type=&c RAID_Group_No=&d RAID_Group_Name=&e	
				%d hot spares are registered. %d: Quantity &a: DE-ID &b: Slot number &c: Type (Global or Dedicated) &d: RAID group number (only for Dedicated Hot Spares) &e: RAID group name (only for Dedicated Hot Spares)	
I01020020  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	%d hot spare(s) released	Added/Released Hot Spare
				Enclosure=&a Slot=&b Type=&c RAID_Group_No=&d RAID_Group_Name=&e	
				%d hot spares are deleted. %d: Quantity &a: DE-ID &b: Slot number &c: Type (Global or Dedicated) &d: RAID group number (only for Dedicated Hot Spares) &e: RAID group name (only for Dedicated Hot Spares)	
I01030010  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	%d volume(s) created	Operated Volume (*1)
				<ul style="list-style-type: none"> <li>For Standard volumes, SDVs, or SDPVs No=&amp;a Name=&amp;b Type=&amp;c Capacity=&amp;d RAID_Group_No=&amp;e RAID_Group_Name=&amp;f</li> <li>For TPVs No=&amp;a Name=&amp;b Type=&amp;c Capacity=&amp;d Pool_No=&amp;g Pool_Name=&amp;h</li> </ul>	
				%d volumes are created. %d: Quantity &a: Volume number &b: Volume name &c: Volume type &d: Capacity &e: RAID group number (only for Standard/Open volume, SDV, or SDPV) &f: RAID group name (only for Standard/Open volume, SDV, or SDPV) &g: TPP number (only for Standard/Open volume or TPV) &h: TPP name (only for Standard/Open volume or TPV)	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 01030020  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	%d volume(s) deleted	Operated Volume (*1)
				No=&a Name=&b	
				%d volumes are deleted. This message is not notified when the deletion reservation function is used to delete the SDPV. %d: Quantity &a: Volume number &b: Volume name	
I 01050010  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	Power on completed (\$a)	Power off/on Apply Firmware
				Detail information is not displayed.	
				The device status is changed to Ready. \$a: VxxL.xx-xxxx (Firmware version)	
I 01050020  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	Shutdown started	Power off/on Apply Firmware
				Detail information is not displayed.	
				Device shutdown has started.	
I 01050030  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	Controller firmware updated (\$a)	Power off/on Apply Firmware
				Detail information is not displayed.	
				Controller firmware version is updated. \$a: VxxL.xx-xxxx (Firmware version)	

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 0200.XXYY  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	9	-	-	Key Management Server communication Error was cleared (Key Server ID #xx) (Key Group ID#yy)  Detail information is not displayed.  The communication error with the key server is resolved. xx: Key server ID yy: Key group ID	SED Network Error Recovered (*2)
I 03000001  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	10	1100MMOp	1 (LinkUp) 2 (LinkDown)	The status of Link became \$a in CM# \$b CA# \$c Port# \$d.  Detail information is not displayed.  The link status of the FC-CA port or the iSCSI-CA port changed to \$a. MM: CA module ID (40 - 7F) p: Device port number (0 - 1) \$a: Link status (LinkUp or LinkDown) \$b: CM number (0 - 1) \$c: CA slot number (0 - 3) \$d: Port number (0 - 3)	FC CA Port Link Status Changed  iSCSI CA Port Link Status Changed
I 03000001  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	10	1100MMOp	1 (LinkUp) 2 (LinkDown)	The status of Link became \$a in CE# \$b CM# \$c CA# \$d Port# \$e.  Detail information is not displayed.  The link status of the FC-CA port or the iSCSI-CA port changed to \$a. MM: CA module ID (40 - FF) p: Device port number (0 - 1) \$a: Link status (LinkUp or LinkDown) \$b: CE-ID (00 - 0b) \$c: CM number (0 - 1) \$d: CA slot number (0 - 3) \$e: Port number (0 - 3)	FC CA Port Link Status Changed  iSCSI CA Port Link Status Changed
I 03000002  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	9	-	-	The number of login host exceed the acceptable login count in CM# \$b CA# \$c Port# \$d.  Detail information is not displayed.  The number of hosts that are connected to the CA port exceeds the maximum. \$b: CM number (0 - 1) \$c: CA slot number (0 - 3) \$d: Port number (0 - 3)	Host Login Over
I 03000002  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	9	-	-	The number of login host exceed the acceptable login count in CE# \$a CM# \$b CA# \$c Port# \$d.  Detail information is not displayed.  The number of hosts that are connected to the CA port exceeds the maximum. \$a: CE number (00 - 0b) \$b: CM number (0 - 1) \$c: CA slot number (0 - 3) \$d: Port number (0 - 3)	Host Login Over

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Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 050100.xx  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	9	-	-	Thin Provisioning Control Data Error was recovered automatically on CM# \$a (on CE# \$b)	(*3)
				Detail information is not displayed.	
				An error in the Thin Provisioning control data is automatically recovered. xx: CM module ID (10 - 1B, 20 - 2B) \$a: CM number (0 - 1) \$b: CE number (00 - 0b)	
I 050200.xx  Notification target: AF150 S3/AF250 S3 AF650 S3 DX60 S5 DX100 S5/DX200 S5 DX500 S5/DX600 S5 DX900 S5 DX8900 S4	9	-	-	Thin Provisioning Control Data Check Complete on CM# \$a (on CE# \$b) (run-forcibly mode).	(*3)
				Detail information is not displayed.	
				Checking the Thin Provisioning control data is completed. xx: CM module ID (10 - 1B, 20 - 2B) \$a: CM number (0 - 1) \$b: CE number (00 - 0b)	
I 0733MMPP  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	9	-	-	Remote Copy Path (CM# \$b CA# \$c PORT# \$d) Available	Remote Path Recovery
				Detail information is not displayed.	
				REC paths between the storage systems are restored to a normal state. MM: CA module ID (40 - 7F) PP: Port number (00 or 01) \$b: CM number (0 - 1) \$c: CA slot number (0 - 3) \$d: Port number (0 - 3)	
I 0733MMPP  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	9	-	-	Remote Copy Path (CE# \$a CM# \$b CA# \$c Port# \$d) Available	Remote Path Recovery
				Detail information is not displayed.	
				REC paths between the storage systems are restored to a normal state. MM: CA module ID (40 - FF) PP: Port number (00 or 01) \$a: CE number (00 - 0b) \$b: CM number (0 - 1) \$c: CA slot number (0 - 3) \$d: Port number (0 - 3)	

\*1: This message is not notified when the target volumes for creation or deletion are the WVOLs.

\*2: This message is only notified for models in which SEDs can be installed.

\*3: The notification setting cannot be configured.



1. Event Notification Message List  
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**Table 60 Informational Messages (Event Type Code: I 4001x00xx through I 401100xx)**

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 40013001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	<i>\$/f</i> : file system full	Out of NAS Capacity
				Detail information is not displayed.	
				The file data area of the file system is insufficient. <i>\$/f</i> : File system ID	
I 40013002  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	<i>\$/f</i> : out of inodes	Out of NAS File Management Domain
				Detail information is not displayed.	
				The i node area of file system is insufficient. <i>\$/f</i> : File system ID	
I 40013003  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	<i>\$/f</i> : file system meta data full (Vdata) type= <i>\$/t</i>	Out of NAS File Management Domain
				Detail information is not displayed.	
				The V data area in the metadata area of file system is insufficient. <i>\$/f</i> : File system ID <i>\$/t</i> : Type number	
I 40013004  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	<i>\$/f</i> : too much fragment(extent)	Out of NAS File Management Domain
				Detail information is not displayed.	
				The area that manages free space in file system is insufficient due to fragmentation of this area. If some of this space is released after the free space runs out, the area may become invalid. <i>\$/f</i> : File system ID	
I 40013022  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	62	-	-	quota: less than warning limit. type= <i>\$/p</i> limit= <i>\$/q</i>	Fall below NAS Quota Limit
				Detail information is not displayed.	
				The Quota threshold is less than the warning threshold. <i>\$/p</i> : Type (user   group   share) <i>\$/q</i> : Threshold type (file   block)	
I 40025001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	<i>\$/m</i> : Mount complete	NAS Connection Status
				Detail information is not displayed.	
				The file system has been mounted. <i>\$/m</i> : Mount Point	
I 40025002  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	<i>\$/m</i> : Umount complete	NAS Connection Status
				Detail information is not displayed.	
				The file system has been unmounted. <i>\$/m</i> : Mount Point	
I 40025003  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	<i>\$/m</i> : Recovery complete	NAS Connection Status
				Detail information is not displayed.	
				The file system has been successfully recovered. <i>\$/m</i> : Mount Point	

1. Event Notification Message List  
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Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemId	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 40035001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	Starting the pdfsfrmd daemon was suspended because quorum does not exist	NAS Connection Status
				Detail information is not displayed.	
				Starting of the pdfsfrmd daemon has been suspended.	
I 40035002  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	Considering the start mode of the pdfsfrmd daemon to be wait because getting the start mode failed	NAS Connection Status
				Detail information is not displayed.	
				The process has been started while the pdfsfrmd daemon start mode was wait.	
I 40060001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	63	-	-	Snapshot execution succeeded. NAS Volume= <i>\$a</i> SDV= <i>\$b</i> generation= <i>\$c</i> date= <i>\$d</i> used SDP= <i>\$e</i> %	Succeed NAS Snapshot
				Detail information is not displayed.	
				Snapshots have been successfully created. <i>\$a</i> : NAS Volume No <i>\$b</i> : SDV No. <i>\$c</i> : snapshot generation <i>\$d</i> : snapshot time <i>\$e</i> : SDP used	
I 40081010  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	Succeeded to recover service < <i>\$service</i> , <i>\$CM</i> >.	NAS Connection Status
				Detail information is not displayed.	
				Recovered due to a temporary service error. <i>\$service</i> : Service name <i>\$CM</i> : CM number	
I 40081020  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	Succeeded to recover CIFS service < <i>\$CM</i> >.	NAS Connection Status
				Detail information is not displayed.	
				Recovered due to a temporary CIFS service error. <i>\$CM</i> : CM number	
I 40090001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	Multipath: cm <i>\$c</i> <i>\$f</i> : cm <i>\$b</i> to cm <i>\$a</i> . ( <i>\$p</i> )	Multipath Status
				Detail information is not displayed.	
				The multipath status of the NAS port has been changed. <i>\$c</i> : CM number where the port state has changed <i>\$f</i> : "Failover" or "Failback" <i>\$b</i> : CM number of the IP migration source <i>\$a</i> : CM number of the IP migration destination <i>\$p</i> : 3-digit port number (CM number, CA number, port number)	
I 40100004  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	extra system volume usage rate has fell below 80%(CM# <i>\$cm</i> . <i>\$rate</i> %).	Extended System Volume Recovered
				Detail information is not displayed.	
				The usage rate of the extended system volumes has fallen below 80%. <i>\$cm</i> : CM number <i>\$rate</i> : Disk usage rate	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemid	TrapLink StatusInfo	Middle: Detail information	
				Lower: Description	
I 40110001  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	CPU usage rate has exceeded 90%(CM# \$ <i>cm</i> .\$ <i>rate</i> %).	NAS CPU Warning
				Detail information is not displayed.	
				The usage rate of the entire CPU is 90% or more. \$ <i>cm</i> : CM number \$ <i>rate</i> : CPU usage rate	
I 40110002  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3	9	-	-	CPU usage rate has fell below 80%(CM# \$ <i>cm</i> .\$ <i>rate</i> %).	NAS CPU Recovered
				Detail information is not displayed.	
				The usage rate of the entire CPU has fallen below 80% from the previous state of 90% or higher. \$ <i>cm</i> : CM number \$ <i>rate</i> : CPU usage rate	

## Informational Messages (When the Event Type is "R")

This section describes the messages for "R" type events that are sent when the severity is "Info". The following messages are sent when a state is restored from Error or Warning to Normal.

**Note**

- The types of messages that are notified vary depending on the event notification setting.
- Depending on the items enabled for Informational Level of the event notification setting, a message is notified when an error occurs in the target component.
- Message notifications are suppressed during maintenance operations.

**Table 61 Informational Messages (Event Type Code: R 01SSMMxx through R DBSSuuxx)**

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
R 01SSMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	25	0100MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) Normal < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  Normal status is restored for a CM error. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	Recovery module
R 01SSMM00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	25	0100MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) Normal < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  Normal status is restored for a CM error. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	Recovery module
R 06SSMM00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	25	0600MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) EXP Normal < <i>pppppppppppp</i> <i>ssssssssss rrrrr</i> >  Normal status is restored for a CM EXP error. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 11) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	Recovery module

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
R 06.S5MM00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	25	0600/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) (on CE# <i>jj</i> ) EXP Normal <pppppppppppp ssssssssss rrrrr>	Recovery module
				Normal status is restored for a CM EXP error. <i>SS</i> : Component subtype <i>MM</i> : CM module ID (10 - 1B, 20 - 2B) <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>jj</i> : CE number (00 - 0b) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
R 2C.S5MM00  Notification target: AF150 S3/AF250 S3 AF250 S2 DX60 S5/S4 DX100 S5/S4 DX200 S5/S4	25	2C00/MM00	0	Controller Module# <i>m</i> ( <i>zz</i> ) BBU Normal <pppppppppppp ssssssssss rrrrr>	Recovery module
				Normal status is restored for a CM BBU error. <i>m</i> : CM number (0 - 1) <i>zz</i> : Model name <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
R 52000.r00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	22	52000.r00	-	Power Supply Unit/FPSU# <i>n</i> Normal <pppppppppppp ssssssssss rrrrr>	Recovery module
				Normal status is restored for a FE PSU error. <i>n</i> : FPSU slot number (0 - 3) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	
R 5A000000  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	26	5A000000	0	FE Exhaust temperature Normal	Temperature restoration
				Normal status is restored for an exhaust temperature error in FE.	
R 5B000000  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	26	5B000000	0	FE Intake temperature Normal	Temperature restoration
				Normal status is restored for an intake temperature error in FE.	
R 73000.r00  Notification target: AF650 S3 AF650 S2/AF650 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	22	73000.r00	-	Power Supply Unit/CPSU# <i>n</i> Normal<pppppppppppp ssssssssss rrrrr>	Recovery module
				Normal status is restored for a CE PSU error. <i>n</i> : CPSU slot number (0 - 1) <i>pp</i> ...: Component number <i>ss</i> ...: Serial number <i>rr</i> ...: Version	

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
R 7300//0n  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	22	7300//0n	-	Power Supply Unit/CPSU#n (on CE#jj) Normal<pppppppppppp ssssssssss rrrrr>  Normal status is restored for a CE PSU error. jj: CE number (00 - 0B) n: CPSU slot number (0 - 1) jj: CE number (00 - 0b) pp...: Component number ss...: Serial number rr...: Version	Recovery module
R 7A000000  Notification target: AF650 S3 AF650 S2/AF650 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	26	7A000000	0	CE Exhaust temperature Normal  Normal status is restored for an exhaust temperature error in CE.	Temperature restoration
R 7A00//00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	26	7A00//00	0	CE Exhaust temperature CE#jj Normal  Normal status is restored for an exhaust temperature error in CE. jj: CE number (00 - 0B) jj: CE number (00 - 0b)	Temperature restoration
R 7B000000  Notification target: AF650 S3 AF650 S2/AF650 DX500 S5/S4/S3 DX600 S5/S4/S3 DX8100 S4/S3	26	7B000000	0	CE Intake temperature Normal  Normal status is restored for an intake temperature error in CE.	Temperature restoration
R 7B00//00  Notification target: DX900 S5 DX8900 S4/S3 DX8700 S3	26	7B00//00	0	CE Intake temperature CE#jj Normal  Normal status is restored for an intake temperature error in CE. jj: CE number (00 - 0B) jj: CE number (00 - 0b)	Temperature restoration
R 90SSuu0n  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	25	9000uu0n	0	IOM DE#uu/IOM#n Normal <pppppppppppp ssssssssss rrrrr>  Normal status is restored for a DE IOM error. SS: Component subtype uu: DE-ID n: IOM number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Recovery module

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
R A0.S5uu0n  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4	25	A000uu0n	0	FEM DE#uu/FEM#n Normal <pppppppppppp ssssssssss rrrrr>  Normal status is restored for an FEM error. SS: Component subtype uu: DE-ID n: FEM slot number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Recovery module
R D2.S5uu0n  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	22	D200uu0n	-	Power Supply Unit DE#uu/PSU#n Normal <pppppppppppp ssssssssss rrrrr>  Normal status is restored for a PSU error. SS: Component subtype uu: DE-ID n: PSU number (0 - 1) pp...: Component number ss...: Serial number rr...: Version	Recovery module
R D3.S5uu0n  Notification target: DX100 S5/S4/S3 DX200 S5/S4/S3 DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8900 S4	22	D300uu0n	-	Power Supply Unit HDDE#uu/PSU#n Normal <pppppppppppp ssssssssss rrrrr>  Normal status is restored for a PSU error. SS: Component subtype uu: DE-ID n: PSU number (0 - 3) pp...: Component number ss...: Serial number rr...: Version	Recovery module
R DA.S5uu00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	26	DA00uu00	0	DE Exhaust temperature DE#uu Normal  Normal status is restored for an exhaust temperature error in CE or DE. SS: Component subtype uu: DE-ID	Temperature res-toration

1. Event Notification Message List  
Message List

Event type code	SNMP Trap			Upper: Message	Informational Level item
	Trap No.	TrapItemID	Trap Warning Info / Trap Sensor Info(*1)	Lower: Description	
R DB.SS <u>uu</u> 00  Notification target: AF150 S3/AF250 S3 AF650 S3 AF250 S2/AF250 AF650 S2/AF650 DX60 S5/S4/S3 DX100 S5/S4/S3 DX200 S5/S4/S3 DX200F DX500 S5/S4/S3 DX600 S5/S4/S3 DX900 S5 DX8100 S4/S3 DX8900 S4/S3 DX8700 S3	26	DB00 <u>uu</u> 00	0	DE Intake temperature DE# <u>uu</u> Normal  Normal status is restored for an intake temperature error in CE or DE. SS: Component subtype uu: DE-ID	Temperature restoration

\*1: This row indicates TrapWarningInfo for Trap No. 25 and TrapSensorInfo for Trap No. 26.



## Test Messages

The messages that are sent when the test notification of an event is performed in ETERNUS Web GUI or ETERNUS CLI are described below.

### ■ Test Mail Transmission

The message is notified when the test notification of e-mail is performed in ETERNUS Web GUI or ETERNUS CLI.

Event type code	Message
T FFFFFFFF	Test e-mail Message

### ■ Test Trap Transmission

The message is notified when the test notification of the SNMP Trap is performed in ETERNUS Web GUI or ETERNUS CLI.

Trap No.	TrapItemId	TrapMessage
2	0x80000000	SNMP Trap Test

#### ● Note

Trap No. and ItemId in the test Trap are the same as the notification that is sent when the following drives are in Fault status. A drive is not actually disconnected when a test Trap is notified.

- For the ETERNUS AF150 S3/AF250 S3/AF650 S3, the ETERNUS AF250 S2, the ETERNUS AF250, the ETERNUS DX200F, the ETERNUS DX60 S5/DX100 S5/DX200 S5, the ETERNUS DX500 S5/DX600 S5, the ETERNUS DX60 S4/DX100 S4/DX200 S4, the ETERNUS DX8100 S4, and the ETERNUS DX60 S3/DX100 S3/DX200 S3  
A drive in Slot#0 in CE
- For the ETERNUS AF650 S2, and the ETERNUS AF650, the ETERNUS DX500 S4/DX600 S4, the ETERNUS DX500 S3/DX600 S3, and the ETERNUS DX8100 S3/DX8700 S3/DX8900 S3  
A drive in Slot#0 in DE#00
- For the ETERNUS DX900 S5 and the ETERNUS DX8900 S4  
A drive in Slot#0 in CE#0

## Sense Codes

This section describes the sense codes that are notified to the server.

### Note

- The types of sense codes that are notified vary depending on the event notification setting.
- Depending on the items enabled for Error Severity Level of the event notification setting, a sense code is notified when an error occurs in the target component.
- Sense code notifications are suppressed during maintenance operations.

**Table 62 Sense Code List**

Sense code			Description	Error Level	Error Severity Level item
SK	ASC	ASCQ			
02	04	00	The device is in Not Ready status.	Error	Not ready
04	F1	01	CM is disconnected.	Error	Parts Error
04	F1	0B	CM memory is disconnected.	Error	Parts Error
04	F1	0C	CM BUD is disconnected.	Error	Parts Error
04	F1	0D	CM FAN is disconnected.	Error	Parts Error
04	F1	10	CA is disconnected.	Error	Parts Error
04	F1	1A	CA SFP is disconnected.	Error	Parts Error
04	F1	2A	CM mini SAS HD is disconnected.	Error	Parts Error
04	F1	2C	Battery expiration date is approaching (starting from one week before the expiration date until the expiration date).	Warning	Battery life Warning
04	F1	40	FRT is disconnected.	Error	Parts Error
04	F1	42	FRT QSFP+ cable is disconnected.	Error	Parts Error
04	F1	51	System panel is disconnected.	Error	Parts Error
04	F1	52	FE PSU is disconnected.	Error	Parts Error
04	F1	53	FE FAN is disconnected.	Error	Parts Error
04	F1	54	FE MP is disconnected.	Error	Parts Error
04	F1	55	FE MP BRG is disconnected.	Error	Parts Error
04	F1	60	SVC is disconnected.	Error	Parts Error
04	F1	72	CE panel is disconnected.	Error	Parts Error
04	F1	73	CE PSU is disconnected.	Error	Parts Error
04	F1	74	SCCB is disconnected.	Error	Parts Error
04	F1	75	BCU is disconnected.	Error	Parts Error
04	F1	76	BTU is disconnected.	Error	Parts Error
04	F1	77	PFM is disconnected.	Error	Parts Error
04	F1	78	PFM is disconnected.	Error	Parts Error
04	F1	76	Battery expiration date is approaching (starting from one week before the expiration date until the expiration date).	Warning	Battery life Warning
04	F1	7A	CE exhaust temperature error or sensor failure has been detected.	Error	Temperature Error Parts Error
04	F1	7B	CE intake temperature error has been detected.	Error	Parts Error
04	F1	80	3.5" HDD is disconnected.	Error	Drive Error Drive Error of HDD Shield

1. Event Notification Message List  
Message List

Sense code			Description	Error Level	Error Severity Level item
SK	ASC	ASCQ			
04	F1	81	2.5" HDD is disconnected.	Error	Drive Error Drive Error of HDD Shield
04	F1	84	3.5" SSD is disconnected.	Error	Drive Error
04	F1	85	2.5" SSD is disconnected.	Error	Drive Error
04	F1	88	Drive is disconnected because an error occurred during the Write check of the disk patrol.	Error	Drive Error
04	F1	90	IOM is disconnected.	Error	Parts Error
04	F1	91	IOM port is disconnected.	Error	Parts Error
04	F1	9A	IOM mini SAS HD is disconnected.	Error	Parts Error
04	F1	A0	FEM is disconnected.	Error	Parts Error
04	F1	D2	PSU is disconnected.	Error	Parts Error
04	F1	D3	PSU is disconnected.	Error	Parts Error
04	F1	DA	CE or DE exhaust temperature error, or sensor failure has been detected.	Error	Parts Error
04	F1	DB	CE or DE intake temperature error has been detected.	Error	Parts Error
04	F2	02	CM DMA port is disconnected.	Error	Parts Error
04	F2	03	CM BIOS is disconnected.	Error	Parts Error
04	F2	04	CM RTC is disconnected.	Error	Parts Error
04	F2	05	CM NVRAM is disconnected.	Error	Parts Error
04	F2	06	CM EXP is disconnected.	Error	Parts Error
04	F2	08	CM DI port is disconnected.	Error	Parts Error
04	F2	09	CM EXP IN port is disconnected.	Error	Parts Error
04	F2	0A	CM EXP Out port is disconnected.	Error	Parts Error
04	F2	0E	CM SATA SSD is disconnected.	Error	Parts Error
04	F2	0F	CM SCU is disconnected.	Error	Parts Error
04	F2	10	CA is disconnected.	Error	Parts Error
04	F2	11	CA port is disconnected.	Error	Parts Error
04	F2	21	CM FPGA is disconnected.	Error	Parts Error
04	F2	22	CM LAN port is disconnected.	Error	Parts Error
04	F2	23	SVC port is disconnected.	Error	Parts Error
04	F2	24	CM QSFP+ cable is disconnected.	Error	Parts Error
04	F2	2B	NAS Engine communication is disconnected.	Error	Parts Error
04	F2	41	FRT port is disconnected.	Error	Parts Error
04	F2	50	FE is disconnected.	Error	Parts Error
04	F2	61	SVC port is disconnected.	Error	Parts Error
04	F2	70	FE is disconnected.	Error	Parts Error
04	F2	A1	FEM port is disconnected.	Error	Parts Error
04	F2	A2	FEM EXP is disconnected.	Error	Parts Error
04	F8	00	The pinned data occurred.	Error	Pinned data
06	11	90	Writing of Bad Data (data lost identifier) occurred.	Error	Bad data
06	C1	01	CM is rebooted.	Warning	Parts Warning
06	C1	10	CA is rebooted.	Warning	Parts Warning
06	C1	2B	NAS Engine is rebooted.	Warning	Parts Warning
06	C1	40	FRT is rebooted.	Warning	Parts Warning

1. Event Notification Message List  
Message List

Sense code			Description	Error Level	Error Severity Level item
SK	ASC	ASCQ			
06	C1	60	SVC is rebooted.	Warning	Parts Warning
06	C1	90	IOM is rebooted.	Warning	Parts Warning
06	C1	A0	FEM is rebooted.	Warning	Parts Warning
06	E2	92	Disconnection of a REC path between cabinets has been detected.	Error	Remote Path Error
06	F2	80	Rebuild has started.	Error	Rebuild/Copyback w/o redundant
06	F2	80	Redundant copy is being performed.	Error	Redundant
06	F2	81	Rebuild to the drive has started.	Error	Rebuild/Copyback w/ redundant
06	F2	82	Rebuild to the hot spare is complete.	Error	Rebuild/Copyback w/ redundant
06	F2	82	Redundant copy is complete.	Error	Complete Redundant Copy
06	F2	83	Rebuild to the drive is complete.	Error	Rebuild/Copyback w/ redundant
06	F2	84	Copyback is being performed.	Error	Rebuild/Copyback w/ redundant
06	F2	85	Copyback is complete.	Error	Rebuild/Copyback w/ redundant
06	F2	88	Rebuild to the hot spare or the replaced drive is complete, but Bad Data (data lost identifier) exists.	Error	Complete rebuild
06	F2	89	Rebuild has not started.	Error	Rebuild/Copyback w/o redundant
06	F2	89	Redundant copy has not started.	Error	Redundant
06	F2	8A	Rebuild is halted.	Error	Rebuild/Copyback w/o redundant
06	F2	8A	Redundant copy is halted.	Error	Redundant
06	F2	8B	Rebuild is halted.	Error	Rebuild/Copyback w/o redundant
06	F2	8C	Copyback is halted.	Error	Rebuild/Copyback w/o redundant
06	F2	8D	Copyback is halted because an error is found in the copy source drive.	Error	Rebuild/Copyback w/o redundant
06	F2	8D	Redundant copy is halted because an error is found in the copy source drive.	Error	Redundant
06	FB	01	CM error has been detected.	Warning	Parts Warning
06	FB	02	CM DMA port error has been detected.	Warning	Parts Warning
06	FB	03	CM BIOS error has been detected.	Warning	Parts Warning
06	FB	04	CM RTC error has been detected.	Warning	Parts Warning
06	FB	05	CM NVRAM error has been detected.	Warning	Parts Warning
06	FB	06	CM EXP error has been detected.	Warning	Parts Warning
06	FB	08	CM DI port error has been detected.	Warning	Parts Warning
06	FB	09	CM EXP IN port error has been detected.	Warning	Parts Warning
06	FB	0A	CM EXP OUT port error has been detected.	Warning	Parts Warning
06	FB	0B	Many correctable errors occurred in the CM memory.	Warning	Parts Warning
06	FB	0C	CM BUD error has been detected.	Warning	Parts Warning
06	FB	0D	CM FAN error has been detected.	Warning	Parts Warning

1. Event Notification Message List  
Message List

Sense code			Description	Error Level	Error Severity Level item
SK	ASC	ASCQ			
06	FB	0E	CM SATA SSD Controller error has been detected.	Warning	Parts Warning
06	FB	0F	CM SCU error has been detected.	Warning	Parts Warning
06	FB	10	CA error has been detected.	Warning	Parts Warning
06	FB	11	CA port error has been detected.	Warning	Parts Warning
06	FB	1A	CA port error has been detected.	Warning	Parts Warning
06	FB	21	CM FPGA error has been detected.	Warning	Parts Warning
06	FB	22	CM LAN port error has been detected.	Warning	Parts Warning
06	FB	23	SVC port error has been detected.	Warning	Parts Warning
06	FB	24	CM QSFP+ cable error has been detected.	Warning	Parts Warning
06	FB	2A	CM mini SAS HD error has been detected.	Warning	Parts Warning
06	FB	2B	NAS Engine error has been detected.	Warning	Parts Warning
06	FB	2C	The battery life will expire in six months.	Warning	Battery life Warning
06	FB	40	FRT error has been detected.	Warning	Parts Warning
06	FB	41	FRT port error has been detected.	Warning	Parts Warning
06	FB	42	FRT QSFP+ cable error has been detected.	Warning	Parts Warning
06	FB	50	FE error has been detected.	Warning	Parts Warning
06	FB	51	System panel error has been detected.	Warning	Parts Warning
06	FB	52	FE PSU error has been detected.	Warning	Parts Warning
06	FB	53	FE FAN error has been detected.	Warning	Parts Warning
06	FB	54	FE MP error has been detected.	Warning	Parts Warning
06	FB	55	FE MP BRG error has been detected.	Warning	Parts Warning
06	FB	60	SVC error has been detected.	Warning	Parts Warning
06	FB	61	SVC port error has been detected.	Warning	Parts Warning
06	FB	70	CE error has been detected.	Warning	Parts Warning
06	FB	72	CE panel error has been detected.	Warning	Parts Warning
06	FB	73	CE PSU error has been detected.	Warning	Parts Warning
06	FB	74	SCCB error has been detected.	Warning	Parts Warning
06	FB	75	BCU error has been detected.	Warning	Parts Warning
06	FB	76	BTU error has been detected.	Warning	Parts Warning
06	FB	77	PFM error has been detected.	Warning	Parts Warning
06	FB	78	PFM error has been detected.	Warning	Parts Warning
06	FB	76	The battery life will expire in six months.	Warning	Battery life Warning
06	FB	7A	CE exhaust temperature error has been detected.	Warning	Temperature Warning
06	FB	7B	CE intake temperature error has been detected.	Warning	Temperature Warning
06	FB	80	SMART is reported from the 3.5" HDD.	Warning	Drive Warning Drive Warning of HDD Shield
06	FB	81	SMART is reported from the 2.5" HDD.	Warning	Drive Warning Drive Warning of HDD Shield
06	FB	84	SMART is reported from the 3.5" SSD.	Warning	Drive Warning
06	FB	85	SMART is reported from the 2.5" SSD.	Warning	Drive Warning
06	FB	90	DE IOM error has been detected.	Warning	Parts Warning
06	FB	91	DE IOM port error has been detected.	Warning	Parts Warning

1. Event Notification Message List  
Message List

Sense code			Description	Error Level	Error Severity Level item
SK	ASC	ASCQ			
06	FB	9A	DE mini SAS HD port error has been detected.	Warning	Parts Warning
06	FB	A0	FEM error has been detected.	Warning	Parts Warning
06	FB	A1	FEM port error has been detected.	Warning	Parts Warning
06	FB	A2	FEM EXP error has been detected.	Warning	Parts Warning
06	FB	D2	PSU error has been detected.	Warning	Parts Warning
06	FB	D3	PSU error has been detected.	Warning	Parts Warning
06	FB	DA	CE or DE exhaust temperature error has been detected.	Warning	Temperature Warning
06	FB	DB	CE or DE intake temperature error has been detected.	Warning	Temperature Warning

## 2. Audit Log List

This chapter describes the audit logs that are notified to a syslog server when this function is enabled in the audit log settings of ETERNUS Web GUI or ETERNUS CLI.

### Audit Log Format

The following formats are available for audit log: "RFC3164" and "RFC5424". The notification format is specified in ETERNUS Web GUI or ETERNUS CLI.

This section describes examples of audit logs and the details of formats that are output.

#### ■ Output Example of an Audit Log

The number under each underline indicates an item in the table below. A description is provided for each item.

- "RFC3164" format

```
<110>Nov 11 11:26:08 192.168.0.20 Storage: 01, 4, 1, 2013-11-01 11:26:08 +09:00,  
1 2 3 4 5 6 7 8  
1, ETERNUS#1, 0, 123, 02010001, Success, , root, Admin, GUI, 192.168.0.10,  
9 10 11 12 13 14 15 16 17 18 19  
Create RAID Group., [No=4 Name=RLU#1 Level=RAID1 Disk=0000,0001 CM=cm0cpu0]  
20 21
```

- "RFC5424" format

```
<110>1 2013-11-01T11:26:08+09:00 192.168.0.20 Storage 01 4 - 1,  
1 2 3 4 5 6 7  
2013-11-01 11:26:08 +09:00, 1, ETERNUS#1, 0, 123, 02010001, Success, , root,  
8 9 10 11 12 13 14 15 16  
Admin, GUI, 192.168.0.10, Create RAID Group., [No=4 Name=RLU#1 Level=RAID1  
17 18 19 20 21  
Disk=0000,0001 CM=cm0cpu0]  
21
```

## ■ Description of Each Audit Log Item

No.	Item	Description
1	Priority	<p>Priority of the audit log message is output in the following format:  <i>&lt;Priority&gt;</i></p> <p>Priority value indicates the facility and severity of the audit log message. The Priority value is calculated by "Facility value × 8 + Severity value".</p> <ul style="list-style-type: none"> <li>• Facility value for audit log messages is always "13".</li> <li>• Severity value for audit log messages is always "6".</li> </ul> <p>"110" is output as a priority value for an audit log.            For the "RFC3164" format, the HEADER part follows this item.            For the "RFC5424" format, "1" and then a blank follow this item.</p>
2	Time stamp	<p>The local time when the event has been detected is output in the following format:</p> <ul style="list-style-type: none"> <li>• For RFC3164  <i>MMM dd hh:mm:ss</i> <ul style="list-style-type: none"> <li>- MMM Abbreviation of each month (JAN - DEC)</li> <li>- dd Date. If the date is a single digit, a blank is output before the date number.</li> <li>- hh:mm:ss Local time. "hh" indicates the hour (00 – 23), "mm" indicates minutes (00 – 59), and "ss" indicates seconds (00 – 59). A blank follows this item.</li> </ul> </li> <li>• For RFC5424  <i>yyyy-mm-ddThh:mm:ss±hh:mm</i> <ul style="list-style-type: none"> <li>- yyyy The year is displayed with four digits.</li> <li>- mm The month is displayed with two digits (01 – 12).</li> <li>- dd The date is displayed with two digits (01 – 31). "T" follows this item.</li> <li>- hh:mm:ss Local time. "hh" indicates the hour (00 – 23), "mm" indicates minutes (00 – 59), and "ss" indicates seconds (00 – 59). A blank follows this item.</li> <li>- ±hh:mm Time differences between the local time and the GMT. The value for the time zone specified in the date and time setting of ETERNUS Web GUI or ETERNUS CLI is displayed. "hh" indicates the hour (00 – 23) and "mm" indicates minutes (00 – 59). A blank follows this item.</li> </ul> </li> </ul>
3	Host name	<p>The IP address of the sender port (MNT or RMT) for the ETERNUS AF/DX is output in IPv4 or IPv6 format:</p> <ul style="list-style-type: none"> <li>• IPv4  <i>xxx.xxx.xxx.xxx</i>            The IPv4 address is output based on the "IETF STD13, RFC1035" specification.</li> <li>• IPv6  <i>xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx:xxxx</i>            The IPv6 address is output based on the "RFC 4291" specification.            A blank follows this item.</li> </ul>
4	Program or process	<p>The name of the program or process that generates the message is output. "Storage" is output for all the messages. For the "RFC3164" format, a colon [:] and then a blank, which indicate the end of the TAG field, follow this item.            For the "RFC5424" format, a blank follows this item.</p>



No.	Item	Description
5	CM No. and message type	<p>The CM number of the controller that outputs the message and the message type are output. Depending on the controller that outputs the message, "0" to "23" is output for the CM No.</p> <ul style="list-style-type: none"> <li>• For the ETERNUS AF150 S3/AF250 S3/AF650 S3, the ETERNUS AF250 S2/AF650 S2, the ETERNUS AF250/AF650, and the ETERNUS DX200F "0" to "1" (CM#0 to CM#1)</li> <li>• For the ETERNUS DX60 S5/DX100 S5/DX200 S5, the ETERNUS DX60 S4/DX100 S4/DX200 S4, and the ETERNUS DX60 S3/DX100 S3/DX200 S3 "0" to "1" (CM#0 to CM#1)</li> <li>• For the ETERNUS DX500 S5/DX600 S5, the ETERNUS DX500 S4/DX600 S4, and the ETERNUS DX500 S3/DX600 S3 "0" to "1" (CM#0 to CM#1)</li> <li>• For the ETERNUS DX900 S5 "0" to "3" (CE#0 CM#0 to CE#1 CM#1)</li> <li>• For the ETERNUS DX8100 S4/DX8100 S3 "0" to "1" (CM#0 to CM#1)</li> <li>• For the ETERNUS DX8700 S3 "0" to "7" (CE#0 CM#0 to CE#3 CM#1)</li> <li>• For the ETERNUS DX8900 S4 and the ETERNUS DX8900 S3 "0" to "23" (CE#0 CM#0 to CE#B CM#1)</li> </ul> <p>"1" is output for the message type. For the "RFC3164" format, a comma, and then a blank follow this item. For the "RFC5424" format, a blank follows this item.</p>
6	Message serial number	<p>The message serial number is displayed for each controller. For the "RFC3164" format, a comma and then a blank follow this item. For the "RFC5424" format, a blank, a hyphen, and a blank follow this item in this order.</p>
7	Format version	<p>Format version of the audit log is displayed. "1" is output for all the messages. A comma, and then a blank follow this item.</p>
8	Time stamp	<p>The local time when the processing result for the target event is defined is output. A comma, and then a blank follow this item.</p> <p><i>yyyy-mm-dd hh:mm:ss ±hh:mm</i></p> <ul style="list-style-type: none"> <li>- yyyy The year is displayed with four digits.</li> <li>- mm The month is displayed with two digits (01 - 12).</li> <li>- dd The date is displayed with two digits (01 - 31). "T" and a blank follow this item.</li> <li>- hh:mm:ss Local time. "hh" indicates the hour (00 - 23), "mm" indicates minutes (00 - 59), and "ss" indicates seconds (00 - 59). A blank follows this item.</li> <li>- ±hh:mm Time differences between the local time and the GMT. The value for the time zone specified in the date and time setting of ETERNUS Web GUI or ETERNUS CLI is displayed. "hh" indicates the hour (00 - 23) and "mm" indicates minutes (00 - 59).</li> </ul>

2. Audit Log List  
Audit Log Format

No.	Item	Description
9	Processing time	The time (seconds) it takes between starting the process for the target event and obtaining the result is output. "0" is output if this process takes less than 1 second. If this process takes 1 second or longer, the value (seconds) is rounded off to the nearest whole number. A comma, and then a blank follow this item.
10	Storage system name	A friendly name for the ETERNUS AF/DX is output. If a friendly name is not specified, no values are displayed. A comma, and then a blank follow this item.
11	CM No.	The CM number of the controller that detects the event is output. A comma, and then a blank follow this item.
12	Sequence number	The message serial number is displayed for each controller. A comma, and then a blank follow this item.
13	Audit event code	The event code is displayed as the 8-digit hexadecimal number. A comma, and then a blank follow this item. Refer to <a href="#">"Audit Log Message List" (page 183)</a> for details.
14	Audit event result	The processing result for the event is output. Detection: The processing result has been detected. Success: The process is succeeded. Error: The process is failed. A comma, and then a blank follow this item.
15	Event result code	The event result factor code is output as the 8-digit hexadecimal number. If the audit log result is "Success", no values are output. When the event result is "Detection" or "Error", the error code of the interface which performed the target event process is output. For ETERNUS Web GUI: Error code for the ETERNUS Web GUI ETERNUS CLI or Storage Foundation Software ETERNUS SF: Error code for the ETERNUS CLI A comma, and then a blank follow this item.
16	User name	The user name of the account which performed the target event process is output. For RESTful API events, the user name that is output is that of the user which issued the specified token for the API command executed to post the job. If the user which performed the target event cannot be specified, no values are output. A comma, and then a blank follow this item.
17	Role	The user role is output. For RESTful API events, the user role that is output is that of the user which issued the specified token for the API command executed to post the job. If the user which performed the target event cannot be specified, no values are output. A comma, and then a blank follow this item.
18	Interface	The interface that performed the target event process is output. GUI: ETERNUS Web GUI CLI: ETERNUS CLI SOFT: Storage Foundation Software ETERNUS SF (including CLI and SLI-S for the Storage Foundation Software ETERNUS SF) REST: ETERNUS RESTful API If the interface that performed the target event cannot be specified, no values are output. A comma, and then a blank follow this item.

No.	Item	Description
19	IP address	<p>The IP address of the ETERNUS AF/DX that performs the target event process is output in IPv4 or IPv6 format:</p> <ul style="list-style-type: none"> <li>• IPv4 xxx . xxx . xxx . xxx The IPv4 address is output based on the "IETF STD13, RFC1035" specification.</li> <li>• IPv6 xxxx : xxxx : xxxx : xxxx : xxxx : xxxx : xxxx : xxxx The IPv6 address is output based on the "RFC 4291" specification.</li> </ul> <p>If the storage system that performs the target event cannot be specified, no values are output. A comma, and then a blank follow this item.</p>
20	Overview of audit log	<p>A message that indicates the event overview is output. A comma, and then a blank follow this item. Refer to <a href="#">"Audit Log Message List" (page 183)</a> for details.</p>
21	Detailed information of audit log	<p>The detailed information of the event is displayed in text format and is enclosed by brackets ("[" and "]"). If the event result is not "Success" or no detailed information exists for the audit event, no values are output. Refer to <a href="#">"Audit Log Message List" (page 183)</a> for details. Audit logs for processes via ETERNUS CLI are output based on the command line that is input by the user. The detailed information displays contents that correspond to the user input information.</p>

## Audit Log Message List

The table below shows the audit event code, audit event details, and output message for detailed audit log information that are described in ["Audit Log Format" \(page 179\)](#).

### Note

- Some detailed information may not be displayed. The detailed information that is displayed depends on the ETERNUS AF/DX model that is used.
- Note that some detailed information may not be displayed. The detailed information that is displayed depends on the interface that is used and the processing contents.
- When detailed information of the event is not included, a field label will not be displayed.
- When multiple processing targets exist, the related display items are separated by "," (commas), and displayed.
- Audit logs for processes via ETERNUS CLI are output based on the command line that is input by the user. Detailed information that is different from the detailed information shown here is displayed.

**Table 63 Audit Log Messages (Event Code: 0101xxxx through 0202xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
01010001	Login	Logged in to the storage system.
	Detail information is not displayed.	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
01010002	Logout	Logged out from the storage system.
	Detail information is not displayed.	
01010004	Login failed	Login to the storage system is failed.
	Detail information is not displayed.	
01020001	AIS Connect Session Established	The AIS Connect session is established.
	Detail information is not displayed.	
01020002	AIS Connect Session Closed	The AIS Connect session is closed.
	Detail information is not displayed.	
01020003	AIS Connect Session Refused	The AIS Connection session is refused.
	Detail information is not displayed.	
02010001	Create RAID Group	<p>The RAID group is created.</p> <p><i>\$a</i>: RAID group number  <i>\$b</i>: RAID group name  <i>\$c</i>: RAID level (RAID0, RAID1, RAID1+0, RAID5, RAID5+0, RAID6, RAID6-FR)  <i>\$d</i>: Drive (DE-ID + Slot number (example: 0000, 0001, 0002))  <i>\$e</i>: Assigned CM (0, 1, Auto, ce<i>Xcm</i><i>y</i>)  (<i>X</i>: CE number, <i>y</i>: CM number)  <i>\$f</i>: Stripe Depth (64KB, 128KB, 256KB, 512KB, 1024KB)  <i>\$g</i>: FR configuration ((3D+2P) x2 + 1HS, (6D+2P) x2 + 1HS, (9D+2P) x2 + 1HS, (12D+2P) x2 + 1HS, (5D+2P) x4 + 1HS, (13D+2P) x2 + 1HS, (3D+2P) x6 + 1HS)  <i>\$h</i>: Priority setting for automatic drive configuration with RAID6-FR (Less Disks, Prior FR)</p>
	[No= <i>\$a</i> Name= <i>\$b</i> Level= <i>\$c</i> Disk= <i>\$d</i> CM= <i>\$e</i> Stripe_Depth= <i>\$f</i> Fr_Consist= <i>\$g</i> Fr_Mode= <i>\$h</i> ]	
02010002	Set RAID Group	<p>The RAID group settings are changed.</p> <p><i>\$a</i>: RAID group number  <i>\$b</i>: RAID group name  <i>\$c</i>: Assigned CM (0, 1, ce<i>Xcm</i><i>y</i>)  (<i>X</i>: CE number, <i>y</i>: CM number)  <i>\$d</i>: Key Group (Enable, Disable)</p>
	[No= <i>\$a</i> Name= <i>\$b</i> CM= <i>\$c</i> Key_Group= <i>\$d</i> ]	
02010003	Delete RAID Group	<p>The RAID group is deleted.</p> <p><i>\$a</i>: RAID group number</p>
	[No= <i>\$a</i> ]	
02010004	Expand RAID Group	<p>The RAID group capacity is expanded.</p> <p><i>\$a</i>: RAID group number  <i>\$b</i>: RAID group name  <i>\$c</i>: RAID level (RAID0, RAID1, RAID1+0, RAID5, RAID5+0, RAID6)  <i>\$d</i>: Drive (DE-ID + Slot number (example: 0000, 0001, 0002))</p>
	[No= <i>\$a</i> Name= <i>\$b</i> Level= <i>\$c</i> Disk= <i>\$d</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02010005	Set RAID Tuning	The RAID group tuning parameters are set. <i>\$a</i> : RAID group number <i>\$b</i> : DCMF (1 – 10) <i>\$c</i> : Rebuild priority (Low, Middle, High) <i>\$d</i> : Live access priority (Response, Throughput) <i>\$e</i> : Tuning parameter setting (Enable, Disable) <i>\$f</i> : Throttle [%] (10, 20, 30, 40, 50, 60, 70, 80, 90, 100) <i>\$g</i> : Ordered cut (0 – 65535)
	[No= <i>\$a</i> DCMF= <i>\$b</i> Rebuild_Priority= <i>\$c</i> Drive_Access_Priority= <i>\$d</i> Disk_Tuning= <i>\$e</i> Throttle= <i>\$f</i> Ordered_Cut= <i>\$g</i> ]	
02020001	Set Global Hot Spare	The Global Hot Spare is registered. <i>\$a</i> : Drive (DE-ID + Slot number (example: 0000, 0001, 0002))
	[Disk= <i>\$a</i> ]	
02020002	Release Global Hot Spare	The Global Hot Spare is released. <i>\$a</i> : Drive (DE-ID + Slot number (example: 0000, 0001, 0002))
	[Disk= <i>\$a</i> ]	
02020003	Set Dedicated Hot Spare	The Dedicated Hot Spare is registered. <i>\$a</i> : RAID group number <i>\$b</i> : Drive (DE-ID + Slot number (example: 0000, 0001, 0002))
	[No= <i>\$a</i> Disk= <i>\$b</i> ]	
02020004	Release Dedicated Hot Spare	The Dedicated Hot Spare is released. <i>\$a</i> : Drive (DE-ID + Slot number (example: 0000, 0001, 0002))
	[Disk= <i>\$a</i> ]	

**Table 64** Audit Log Messages (Event Code: 0203xxxx through 0204xxxx)

Event code	Upper: Message	Description
	Lower: Detailed information	
02030001	Set Thin provisioning	The Thin Provisioning settings are changed. <i>\$a</i> : Thin Provisioning (Enable, Disable) <i>\$b</i> : Maximum pool capacity (example: 128TB)
	[Thin_Pro= <i>\$a</i> Max_Pool_Size= <i>\$b</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02030003	Create Thin provisioning Pool	<p>The Thin Provisioning Pool is created.</p> <p><i>\$a</i>: Pool number  <i>\$b</i>: Pool name  <i>\$c</i>: Drive type (Online, Nearline, SSD, SED, Online/Nearline)  <i>\$d</i>: RAID level (RAID0, RAID1, RAID1+0, RAID5, RAID5+0, RAID6)  <i>\$e</i>: Encryption by CM (Enable, Disable)  <i>\$f</i>: Drive (DE-ID + Slot number (example: 0000, 0001, 0002))  <i>\$g</i>: Assigned CM (0, 1, Auto, ceXcmY)  (X: CE number, Y: CM number)  <i>\$h</i>: Stripe Depth (64KB, 128KB, 256KB, 512KB, 1024KB)  <i>\$i</i>: Warning threshold [%] (5 - 99)  <i>\$j</i>: Attention threshold [%] (5 - 80, None)  <i>\$k</i>: FR Consist((4D+2P)x2+1HS,(6D+2P)x2+1HS,(8D+2P)x3+1HS,(4D+2P)x5+1HS)  <i>\$l</i>: Priority setting for automatic drive configuration with RAID6-FR (Less Disks, Prior FR)  <i>\$m</i>: Deduplication (Enable, Disable)  <i>\$n</i>: Compression (Enable, Disable)  <i>\$o</i>: Chunk size (21MB, 42MB, 84MB, 168MB)  <i>\$p</i>: Deduplication/Compression (Enable, Disable)  <i>\$q</i>: Tenant number  <i>\$r</i>: Tenant name</p>
	[No= <i>\$a</i> Name= <i>\$b</i> Type= <i>\$c</i> Level= <i>\$d</i> Encryption= <i>\$e</i> [Disk= <i>\$f</i> CM= <i>\$g</i> Stripe_Depth= <i>\$h</i> ] Warning= <i>\$i</i> Attention= <i>\$j</i> Fr_Consist= <i>\$k</i> Fr_Mode= <i>\$l</i> Deduplication= <i>\$m</i> Compression= <i>\$n</i> Chunk_Size= <i>\$o</i> Deduplication_Compression_Ready= <i>\$p</i> Tenant_Number= <i>\$q</i> Tenant_Name= <i>\$r</i> ]	
02030004	Set Thin provisioning Pool	<p>The Thin Provisioning Pool settings are changed.</p> <p><i>\$a</i>: Pool number  <i>\$b</i>: Pool name  <i>\$c</i>: Warning threshold [%] (5 - 99)  <i>\$d</i>: Attention threshold [%] (5 - 80, None)  <i>\$e</i>: Deduplication (Enable, Disable)  <i>\$f</i>: Compression (Enable, Disable)</p>
	[No= <i>\$a</i> Name= <i>\$b</i> Warning= <i>\$c</i> Attention= <i>\$d</i> Deduplication= <i>\$e</i> Compression= <i>\$f</i> ]	
02030005	Delete Thin provisioning Pool	<p>The Thin Provisioning Pool is deleted.</p> <p><i>\$a</i>: Pool number</p>
	[No= <i>\$a</i> ]	
02030006	Expand Thin provisioning Pool	<p>The Thin Provisioning Pool capacity is expanded.</p> <p><i>\$a</i>: Pool number  <i>\$b</i>: Drive (DE-ID + Slot number (example: 0000, 0001, 0002))  <i>\$c</i>: Assigned CM (0, 1)</p>
	[No= <i>\$a</i> [Disk= <i>\$b</i> CM= <i>\$c</i> ]	
02030007	Format Thin provisioning Pool	<p>The Thin Provisioning Pool is formatted.</p> <p><i>\$a</i>: Pool number  <i>\$b</i>: Mode (All, Unformatted)</p>
	[No= <i>\$a</i> Mode= <i>\$b</i> ]	
02040001	Set Eco-mode	<p>The Eco-mode is set or released.</p> <p><i>\$a</i>: Eco-mode (Enable, Disable)  <i>\$b</i>: Host I/O monitoring interval (10, 20, 30, 40, 50, 60)  <i>\$c</i>: Disk motor spin-down limit count (1 - 25)</p>
	[Mode= <i>\$a</i> Time= <i>\$b</i> Limit= <i>\$c</i> ]	
02040002	Create Eco-mode Schedule	<p>The Eco-mode schedule is created.</p> <p><i>\$a</i>: Eco-mode schedule number  <i>\$b</i>: Eco-mode schedule name</p>
	[No= <i>\$a</i> Name= <i>\$b</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02040003	Set Eco-mode Schedule	The Eco-mode schedule settings are changed. \$a: Eco-mode schedule number \$b: Eco-mode schedule name
	[No=\$a Name=\$b]	
02040004	Delete Eco-mode Schedule	The Eco-mode schedule is deleted. \$a: Eco-mode schedule number
	[No=\$a]	
02040005	Set RAID Group Eco-mode	The Eco-mode schedule is assigned to or released from the RAID group. \$a: RAID group number \$b: Eco-mode schedule number \$c: Eco-mode action (Drive power off, Drive motor off, Drive always on)
	[No=\$a Schedule_No=\$b Action=\$c]	
02040006	Set Thin provisioning Pool Eco-mode	The Eco-mode schedule is assigned to or released from the Thin Provisioning Pool. \$a: Pool number \$b: Eco-mode schedule number \$c: Eco-mode action (Drive power off, Drive motor off, Drive always on)
	[No=\$a Schedule_No=\$b Action=\$c]	

**Table 65 Audit Log Messages (Event Code: 0205xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02050001	Create Volume	The volume is created. \$a: Volume number \$b: MLU number (hexadecimal number [example: 0x0000, 0x0001, 0x0002]) \$c: Volume name \$d: Volume type (Standard, SDV, SDPV, TPV, FTV, WSV, NAS_TPV, NAS_TPV_BACKUP) \$e: Capacity [MB] (example: 136704MB) \$f: RAID group number \$g: Pool number \$h: Copy protection (Enable, Disable) \$i: Encryption by CM (Enable, Disable) \$j: Attention threshold [%] (1 – 200) \$k: Allocation priority (FTSP number, Auto) \$l: MLU type (F6427G, F6427H, F6327K) \$m: MVV type (MVV (G), MVV (H), MVV (K), MVV (G) Concatenated, MVV (H) Concatenated, MVV (K) Concatenated) \$n: Wide stripe size (Normal, Small) \$o: Extreme Cache (Enable, Disable) \$p: Allocation (Thick, Thin) \$q: Data integrity assurance (Default, T10-DIF) \$r: Deduplication (Enable, Disable) \$s: Block size (8KB, 16KB, 32KB, 64KB, 128KB, 256KB) \$t: External RAID group number \$u: Compression (Enable, Disable) \$v: Disable data reduction (Disable Compression) (Yes, No)
	[No=\$a MLU_No=\$b Name=\$c Type=\$d Capacity=\$e RAID_No=\$f Pool_No=\$g Protection=\$h Encryption=\$i Attention=\$j Priority=\$k MLU_Type=\$l MVV_Type=\$m Wide_Stripe_Size=\$n Exc=\$o Allocation=\$p Data_Integrity=\$q Deduplication=\$r Block_Size=\$s External_RAID_No=\$t Compression=\$u Data_Reduction_Disable=\$v]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02050002	Set Volume	The volume settings are changed. <i>\$a</i> : Volume number <i>\$b</i> : MLU number <i>\$c</i> : Volume name <i>\$d</i> : Copy protection (Enable, Disable) <i>\$e</i> : Attention threshold [%] (1 – 200) <i>\$f</i> : Allocation priority (FTSP number, Auto) <i>\$g</i> : ALUA settings (Follow Host Response, Active, Passive) <i>\$h</i> : UID (Default, Original, Optional)
	[No= <i>\$a</i> MLU_No= <i>\$b</i> Name= <i>\$c</i> Protection= <i>\$d</i> Attention= <i>\$e</i> Priority= <i>\$f</i> ALUA= <i>\$g</i> Uid= <i>\$h</i> ]	
02050003	Delete Volume	The volume is deleted. <i>\$a</i> : Volume number <i>\$b</i> : MLU number <i>\$c</i> : Forced volume deletion (Force) <i>\$d</i> : Delete Snapshot Session (Yes)
	[No= <i>\$a</i> MLU_No= <i>\$b</i> Force=( <i>\$c</i> ) Delete_Snapshot_Session= <i>\$d</i> ]	
02050004	Format Volume	The volume is formatted. <i>\$a</i> : Volume number <i>\$b</i> : Forced volume formatting (Force)
	[No= <i>\$a</i> Force=( <i>\$b</i> )]	
02050005	Expand Volume	The volume capacity is expanded. <i>\$a</i> : Volume number that is to be expanded. <i>\$b</i> : RAID group number in which the expanded volume belongs. <i>\$c</i> : Additional capacity (example: 1000MB) <i>\$d</i> : Capacity after expansion (example: 136704MB)
	[No= <i>\$a</i> RAID_No= <i>\$b</i> Expand_Capacity= <i>\$c</i> Total_Capacity= <i>\$d</i> ]	
02050006	Start Migration	The RAID migration is started. <i>\$a</i> : Volume number that is to be migrated <i>\$b</i> : Migration destination RAID group number <i>\$c</i> : Pool number <i>\$d</i> : Volume capacity (example: 136704MB) <i>\$e</i> : Encryption by CM (Enable, Disable) <i>\$f</i> : Priority (FTSP number, Auto) <i>\$g</i> : Zero Reclamation (Enable, Disable) <i>\$h</i> : Wide stripe size (Normal, Small) <i>\$i</i> : Allocation (Thick, Thin) <i>\$j</i> : Data integrity assurance (Default, T10-DIF) <i>\$k</i> : Stop data synchronization after migration ( <i>xxx</i> , <i>xxx</i> ) <i>\$l</i> : Disable data reduction (Compression) (Yes, No) <i>\$m</i> : Compression (Enable, Disable)
	[No= <i>\$a</i> RAID_No= <i>\$b</i> Pool_No= <i>\$c</i> Capacity= <i>\$d</i> Encryption= <i>\$e</i> Priority= <i>\$f</i> Zero_Reclamation= <i>\$g</i> Wide_Stripe_Size= <i>\$h</i> Allocation= <i>\$i</i> Data_Integrity= <i>\$j</i> Data Sync After Migration= <i>\$k</i> Data Reduction Disable= <i>\$l</i> Compression= <i>\$m</i> ]	
02050007	Stop Migration	The RAID migration is stopped. <i>\$a</i> : Migration source volume number
	[No= <i>\$a</i> ]	
02050008	Start Balancing Thin provisioning Volume	The balancing of the Thin Provisioning Volume is started. <i>\$a</i> : Volume number
	[No= <i>\$a</i> ]	
02050009	Stop Balancing Thin provisioning Volume	The balancing of the Thin Provisioning Volume is stopped. <i>\$a</i> : Volume number
	[No= <i>\$a</i> ]	



2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
0205000A	Set Cache Parameter	The cache parameters are set. <i>\$a</i> : Volume number <i>\$a</i> : MLU number <i>\$a</i> : Pool number <i>\$b</i> : Force Prefetch Mode (Enable, Disable) <i>\$c</i> : Prefetch Limit (0 - 64) <i>\$d</i> : Multi Writeback Count (1 - 16) <i>\$e</i> : Prefetch Sequential Detect Count (1 - 255) <i>\$f</i> : Sequential Dirty Detect Count (1 - 255) <i>\$g</i> : Sequential Slope (0 - 4096) <i>\$h</i> : Sequential Dirty Slope (0 - 4096) <i>\$i</i> : Sequential Parallel Multi I/O Count (0 - 32) <i>\$j</i> : Upper limit of the cache memory capacity <i>\$k</i> : Extreme Cache Pool (Enable, Disable) <i>\$l</i> : Extreme Cache (Enable, Disable)
	If the target is a volume [No= <i>\$a</i> MLU_No= <i>\$a</i> FP= <i>\$b</i> PL= <i>\$c</i> MWC= <i>\$d</i> PSDC= <i>\$e</i> SDDC= <i>\$f</i> SS= <i>\$g</i> SDS= <i>\$h</i> SPMC= <i>\$i</i> Cache_Limit= <i>\$j</i> EXCP= <i>\$k</i> EXC= <i>\$l</i> ]  If the target is a pool [POOL_No= <i>\$a</i> MWC= <i>\$d</i> ]	
0205000B	Create ODX Buffer Volume	The ODX Buffer Volume is created. <i>\$a</i> : Volume number <i>\$b</i> : Volume name <i>\$c</i> : Volume type (Standard, TPV, FTV) <i>\$d</i> : Capacity [MB] (example: 136704MB) <i>\$e</i> : RAID group number <i>\$f</i> : Pool number <i>\$g</i> : FTRP number <i>\$h</i> : Encryption by CM (Enable, Disable) <i>\$i</i> : Attention threshold [%] (1 - 200) <i>\$j</i> : Priority (FTSP number, Auto)
	[No= <i>\$a</i> Name= <i>\$b</i> Type= <i>\$c</i> Capacity= <i>\$d</i> RAID_No= <i>\$e</i> Pool_No= <i>\$f</i> Ftrp_No= <i>\$g</i> Encryp- tion= <i>\$h</i> Attention= <i>\$i</i> Priority= <i>\$j</i> ]	
0205000C	Start Zero Reclamation	The Zero Reclamation process is started. <i>\$a</i> : Volume number
	[No= <i>\$a</i> ]	
0205000D	Stop Zero Reclamation	The Zero Reclamation process is stopped. <i>\$a</i> : Volume number
	[No= <i>\$a</i> ]	
0205000E	Set Volume Encrypt	The encryption setting of the volume is changed. <i>\$a</i> : Volume number <i>\$b</i> : Encryption by CM (Enable, Disable)
	[No= <i>\$a</i> Encryption= <i>\$b</i> ]	
0205000F	Set Volume EXC	The Extreme Cache mode setting is changed for the volume. <i>\$a</i> : Extreme Cache mode (Enable, Disable) <i>\$b</i> : Volume number
	[Mode= <i>\$a</i> No= <i>\$b</i> ]	
02050010	Set Volume QoS	The Volume QoS is set. <i>\$a</i> : Volume number <i>\$b</i> : Volume name <i>\$c</i> : Bandwidth Limit (0 - 15) <i>\$d</i> : Bandwidth Limit (Read I/O) (0 - 15) <i>\$e</i> : Bandwidth Limit (Write I/O) (0 - 15) <i>\$f</i> : Priority (High, Middle, Low)
	[Volume_Number= <i>\$a</i> Volume_Name= <i>\$b</i> Bandwidth_Limit= <i>\$c</i> Read_Bandwidth_Limit= <i>\$d</i> Write_Bandwidth_Limit= <i>\$e</i> Priority= <i>\$f</i> ]	
02050011	Set Allocation	Allocation has been set for the volume. <i>\$a</i> : Volume number <i>\$b</i> : Allocation (Thick, Thin)
	[No= <i>\$a</i> Allocation= <i>\$b</i> ]	
02050012	Set Volume Parameters	The volume parameter (Allocation) has been set. <i>\$a</i> : Volume number <i>\$b</i> : Volume name <i>\$c</i> : Allocation (Thick, Thin) <i>\$d</i> : Delete the External LU information
	[Volume_Number= <i>\$a</i> Volume_Name= <i>\$b</i> Allocation= <i>\$c</i> Delete_External_Lu_Info= <i>\$d</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02050013	Delete External LU Information	The External LU information has been deleted. \$a: Volume number
	[No=\$a]	
02050014	Stop External Volume Data Synchronization	Synchronization with the external volume data has stopped. \$a: Volume number
	[No=\$a]	
02050015	Start Data Container Volume Diagnosis	Diagnosis of the data container volume has started. \$a: Volume number \$b: Volume name \$c: Diagnosis mode (Bad_Data, Pinned_Data)
	[Volume_Number=\$a Volume_Name=\$b Mode=\$c]	
02050016	Create Veeam Volume	A Veeam volume has been created. \$a: Copy source volume number \$b: Type (Production_Snapshot, Manual_Snapshot, Auxiliary_Snapshot, Snapshot_Clone) \$c: Snapshot name \$d: Description
	[Source_Volume_Number=\$a Type=\$b Snapshot_Name=\$c Description=\$d]	
02050017	Delete All Veeam Object	All Veeam Objects have been deleted. \$a: Deletion mode (All, Tmp_Volume_Only)
	[Mode=\$a]	

**Table 66 Audit Log Messages (Event Code: 0206xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02060001	Set FC Port Parameter	The FC port parameters are set. \$a: Port number (example: 001, 002, or "All") \$b: Host Affinity (Enable, Disable) \$c: Connection type (Loop, Fabric) \$d: Transfer rate (4Gb, 8Gb, 16Gb, 32Gb, Auto) \$e: Loop ID (0x00-0x7D, Auto) \$f: Frame size [Byte] (512, 1024, 2048) \$g: Host response name \$h: Reset Scope (Initiator, Target) \$i: Release Reservation if Chip is Reset (Enable, Disable) \$j: Port name \$k: Node name \$l: REC Line No.(0 - 127) \$m: REC Sync transfer mode (Enable, Disable) \$n: REC Stack transfer mode (Enable, Disable) \$o: REC Consistency transfer mode (Enable, Disable) \$p: REC Through transfer mode (Enable, Disable) \$q: TFO transfer mode (Enable, Disable) \$r: Revert WWN
	[Port=\$a Affinity=\$b Connect=\$c Rate=\$d LoopID=\$e Frame_Size=\$f Host_Response=\$g Reset_Scope=\$h Reserve_Cancel=\$i Port_Name=\$j Node_Name=\$k REC_Line_No=\$l/REC_Transfer_Mode_Sync=\$m REC_Transfer_Mode_Stack=\$n REC_Transfer_Mode_Consistency=\$o REC_Transfer_Mode_Through=\$p Tfo_Transfer_Mode=\$q Revert_Wwn=( \$r)]	
02060002	Set SAS Port Parameter	The SAS port parameters are set. \$a: Port number (example: 001, 002, or "All") \$b: Host Affinity (Enable, Disable) \$c: Transfer rate (1.5Gb, 3Gb, 6Gb, 12Gb, Auto) \$d: Host response name \$e: Reset Scope (Initiator, Target) \$f: Release Reservation if Chip is Reset (Enable, Disable)
	[Port=\$a Affinity=\$b Rate=\$c Host_Response=\$d Reset_Scope=\$e Reserve_Cancel=\$f]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02060003	<p>Set iSCSI Port Parameter</p> <p>[Port=<i>\$a</i> Affinity=<i>\$b</i> iSCSI_Name=<i>\$c</i> Alias_Name=<i>\$d</i> Host_Response=<i>\$e</i> Reset_Scope=<i>\$f</i> Reserve_Cancel=<i>\$g</i> Multiple_Vlan=<i>\$G</i> Additional_Ip=<i>\$H</i> Additional_Ip_Function=<i>\$I</i> IP=<i>\$h</i> Netmask=<i>\$i</i> Gateway=<i>\$j</i> Local=<i>\$k</i> Connect=<i>\$l</i> IPv6_Gateway=<i>\$m</i> Tcp_Port=<i>\$n</i> Window_Scale=<i>\$o</i> Congestion=<i>\$p</i> iSNS=<i>\$q</i> iSNS_IP=<i>\$r</i> iSNS_Port=<i>\$s</i> Chap=<i>\$t</i> Chap_User=<i>\$u</i> Chap_Ra=<i>\$v</i> Chap_User_Ra=<i>\$w</i> Header=<i>\$x</i> Data=<i>\$y</i> Jumbo_Frame=<i>\$z</i> Rate=<i>\$A</i> Cmdsn=<i>\$B</i> Vlan=<i>\$C</i> Vlan_Value=<i>\$D</i> Mtu=<i>\$E</i> Bandwidth=<i>\$F</i> REC_Line_No=<i>\$</i> REC_Transfer_Mode_Sync=<i>\$K</i> REC_Transfer_Mode_Stack=<i>\$L</i> REC_Transfer_Mode_Consistency=<i>\$M</i> REC_Transfer_Mode_Through=<i>\$N</i> Tfo_Transfer_Mode=<i>\$O</i>]</p>	<p>The iSCSI port parameters are set.</p> <p><i>\$a</i>: Port number (example: 001, 002, or "All") <i>\$b</i>: Host Affinity (Enable, Disable) <i>\$c</i>: iSCSI Name <i>\$d</i>: Alias Name <i>\$e</i>: Host response name <i>\$f</i>: Reset Scope (Initiator, Target) <i>\$g</i>: Release Reservation if Chip is Reset (Enable, Disable) <i>\$G</i>: Multiple VLAN (Enable, Disable) <i>\$H</i>: Additional IP number (1 – 15) <i>\$I</i>: Additional IP function (Enable, Disable) <i>\$h</i>: IPv4 address <i>\$i</i>: Subnet Mask <i>\$j</i>: IPv4 address for the gateway <i>\$k</i>: IPv6 Link Local Address <i>\$l</i>: IPv6 Connect Address <i>\$m</i>: IPv6 address for the gateway <i>\$n</i>: TCP port number (0 – 28671) <i>\$o</i>: TCP Window Scale Expansion (0 – 14) <i>\$p</i>: Congestion Control Option (Enable, Disable) <i>\$q</i>: iSNS Server (Enable, Disable) <i>\$r</i>: iSNS server address (example: 10.21.134.111 or IPv6 notation) <i>\$s</i>: iSNS server port number (0 – 65535) <i>\$t</i>: CHAP for CA (Enable, Disable) <i>\$u</i>: CHAP User for CA <i>\$v</i>: CHAP for RA (Enable, Disable) <i>\$w</i>: CHAP User for RA <i>\$x</i>: Header Digest (Enable, Disable) <i>\$y</i>: Data Digest (Enable, Disable) <i>\$z</i>: Jumbo Frame (Enable, Disable) <i>\$A</i>: Transfer rate (1GbAuto, 10GbAuto, 1GbFull, 100MbFull, Auto) <i>\$B</i>: CmdSN Count (20, 40, 80, 120, 180, Unlimited) <i>\$C</i>: VLAN ID (Enable, Disable) <i>\$D</i>: VLAN ID value (0 – 4095) <i>\$E</i>: MTU size <i>\$F</i>: Limit Band Width (10 – 400) <i>\$</i>: REC Line No. (0 – 127) <i>\$K</i>: REC Sync transfer mode (Enable, Disable) <i>\$L</i>: REC Stack transfer mode (Enable, Disable) <i>\$M</i>: REC Consistency transfer mode (Enable, Disable) <i>\$N</i>: REC Through transfer mode (Enable, Disable) <i>\$O</i>: TFO transfer mode (Enable, Disable)</p>

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02060004	Set FCoE Port Parameter	The FCoE port parameters are set. <i>\$a</i> : Port number (example: 001, 002, or "All") <i>\$b</i> : Host Affinity (Enable, Disable) <i>\$c</i> : Transfer rate (10Gb) <i>\$d</i> : Frame size [Byte] (512, 1024, 2048) <i>\$e</i> : Host response name <i>\$f</i> : Reset Scope (Initiator, Target) <i>\$g</i> : Release Reservation if Chip is Reset (Enable, Disable) <i>\$h</i> : FCF VLAN ID (Enable, Disable) <i>\$i</i> : FCF VLAN ID value (0 – 4095) <i>\$j</i> : FCF fabric name setting (Enable, Disable) <i>\$k</i> : FCF fabric name (example: 0001000100010001)
	[Port= <i>\$a</i> Affinity= <i>\$b</i> Rate= <i>\$c</i> Frame_Size= <i>\$d</i> Host_Response= <i>\$e</i> Reset_Scope= <i>\$f</i> Reserve_Cancel= <i>\$g</i> Vlan= <i>\$h</i> Vlan_Value= <i>\$i</i> Fcf_Fabric= <i>\$j</i> Fabric_Name= <i>\$k</i> ]	
02060006	Set FC/FCoE Host	The FC host or the FCoE host settings are changed. <i>\$a</i> : Host number <i>\$b</i> : Host name <i>\$c</i> : WWN <i>\$d</i> : Host response name <i>\$e</i> : Host group name <i>\$f</i> : Tenant number <i>\$g</i> : Tenant name
	[No= <i>\$a</i> Name= <i>\$b</i> WWN= <i>\$c</i> Host_Response= <i>\$d</i> Host_Group= <i>\$e</i> Tenant_Number= <i>\$f</i> Tenant_Name= <i>\$g</i> ]	
02060007	Delete FC/FCoE Host	The FC host or the FCoE host is deleted. <i>\$a</i> : Host name
	[Name= <i>\$a</i> ]	
02060009	Set SAS Host	The SAS host settings are changed. <i>\$a</i> : Host number <i>\$b</i> : Host name <i>\$c</i> : SAS address <i>\$d</i> : Host response name <i>\$e</i> : Host group name
	[No= <i>\$a</i> Name= <i>\$b</i> Address= <i>\$c</i> Host_Response= <i>\$d</i> Host_Group= <i>\$e</i> ]	
0206000A	Delete SAS Host	The SAS host is deleted. <i>\$a</i> : Host name
	[Name= <i>\$a</i> ]	
0206000C	Set iSCSI Host	The iSCSI host settings are changed. <i>\$a</i> : Host number <i>\$b</i> : Host name <i>\$c</i> : iSCSI name <i>\$d</i> : Alias name <i>\$e</i> : IP address type (IPv4, IPv6) <i>\$f</i> : IPv4 address or IPv6 address <i>\$g</i> : CHAP user name <i>\$h</i> : Host response name <i>\$i</i> : CmdSN Count (20, 40, 80, 120, 180, Unlimited) <i>\$j</i> : Host group name <i>\$k</i> : Tenant number <i>\$l</i> : Tenant name
	[No= <i>\$a</i> Name= <i>\$b</i> Iscsi_Name= <i>\$c</i> Alias_Name= <i>\$d</i> IP_Type= <i>\$e</i> IP= <i>\$f</i> Chap_User= <i>\$g</i> Host_Response= <i>\$h</i> Cmdsn= <i>\$i</i> Host_Group= <i>\$j</i> Tenant_Number= <i>\$k</i> Tenant_Name= <i>\$l</i> ]	
0206000D	Delete iSCSI Host	The iSCSI host is deleted. <i>\$a</i> : Host name
	[Name= <i>\$a</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
0206000E	Create LUN Group	The affinity group or the LUN group is created or copied. <i>\$a</i> : Affinity group name or LUN group name <i>\$b</i> : Affinity group number or LUN group number <i>\$c</i> : Host LUN <i>\$d</i> : Volume number ([c d],[c d]...) <i>\$e</i> : Veeam control state (Yes, No)
	[Name= <i>\$a</i> No= <i>\$b</i> [LUN= <i>\$c</i> Volume= <i>\$d</i> ] Used For Veeam Control= <i>\$e</i> ]	
0206000F	Set LUN Group	The affinity group or the LUN group settings are changed. <i>\$a</i> : Affinity group name or LUN group name <i>\$b</i> : New affinity group name or new LUN group name <i>\$c</i> : Host LUN <i>\$d</i> : Volume number <i>\$e</i> : Host LUN that is to be deleted <i>\$f</i> : Host LUN that is to be added or changed <i>\$g</i> : Volume number that is to be added or changed <i>\$h</i> : Veeam control state (Yes, No)
	[Name= <i>\$a</i> New_Name= <i>\$b</i> [LUN= <i>\$c</i> Volume= <i>\$d</i> ] Remove_LUN= <i>\$e</i> [Change_LUN= <i>\$f</i> Volume= <i>\$g</i> ] Used For Veeam Control= <i>\$h</i> ]	
02060010	Delete LUN Group	The affinity group or the LUN group is deleted. <i>\$a</i> : Affinity group name or LUN group name <i>\$b</i> : LUN group number <i>\$c</i> : Host LUN that is to be deleted
	[Name= <i>\$a</i> Lg_Number= <i>\$b</i> Lun= <i>\$c</i> ]	
02060011	Set Host Affinity	The host affinity is set or copied. <i>\$a</i> : Host group name <i>\$b</i> : Port group name <i>\$c</i> : LUN group name <i>\$d</i> : Host name <i>\$e</i> : Port number <i>\$f</i> : LUN mask number (auto, 0 – 127)
	[Host_Group= <i>\$a</i> Port_Group= <i>\$b</i> LUN_Group= <i>\$c</i> [Host= <i>\$d</i> Port= <i>\$e</i> ] Lmg_Number= <i>\$f</i> ]	
02060012	Release Host Affinity	The host affinity setting is released. <i>\$a</i> : Host group name <i>\$b</i> : Host name <i>\$c</i> : Port group name <i>\$d</i> : Port number <i>\$e</i> : LUN mask number (auto, 0 – 127)
	[Host_Group= <i>\$a</i> Port_Group= <i>\$c</i> [Host= <i>\$b</i> Port= <i>\$d</i> ] Lmg_Number= <i>\$e</i> ]	
02060013	Set Mapping	LUN mapping is set or copied. <i>\$a</i> : Host response name <i>\$b</i> : Port group name <i>\$c</i> : Port number <i>\$d</i> : LUN group name <i>\$e</i> : Host LUN that is to be deleted <i>\$f</i> : Host LUN that is to be added or changed <i>\$g</i> : Volume number that is to be added or changed
	[Host_Response= <i>\$a</i> Port_Group= <i>\$b</i> Port= <i>\$c</i> LUN_Group= <i>\$d</i> Remove_LUN= <i>\$e</i> [Change_LUN= <i>\$f</i> Volume= <i>\$g</i> ]]	
02060014	Release Mapping	The LUN mapping setting is released. <i>\$a</i> : Port group name <i>\$b</i> : Port number
	[Port_Group= <i>\$a</i> Port= <i>\$b</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02060015	Set Host Response	<p>The host response parameters are set or changed.</p> <p><i>\$a</i>: Host response name  <i>\$b</i>: Host response number  <i>\$c</i>: LUN Addressing Mode (Prhl Dev, Flat Space)  <i>\$d</i>: LUN Mapping Expansion Mode (Enable, Disable)  <i>\$e</i>: Logical Unit Access Type (Active, Passive)  <i>\$f</i>: TPGS Mode (Enable, Disable)  <i>\$g</i>: TPG Referrals (Enable, Disable)  <i>\$h</i>: Volume Status Response (No Dev Type, No Support, No Connect)  <i>\$i</i>: Peripheral Device Type Response (No Dev Type, Ctrl Dev)  <i>\$j</i>: Standard Data Version (3, 4, 5, 6)  <i>\$k</i>: NACA bit setting (Enable, Disable)  <i>\$l</i>: VPD information type (Type1, Type1-3, Type3)  <i>\$m</i>: Product ID response (Default, ETERNUS DX S2)  <i>\$n</i>: Reservation Conflict response (Enable, Disable)  <i>\$o</i>: Notification of Change in Volume Mapping (Enable, Disable)  <i>\$p</i>: Notification of Change in Expanded Volume Capacity (Enable, Disable)  <i>\$q</i>: Notification of Vendor Unique Sense Code (Enable, Disable)  <i>\$r</i>: Sense Data Conversion (None, Custom)  <i>\$s</i>: Sense Key for sense information before conversion (0-F, *)  <i>\$t</i>: Sense Code for sense information before conversion (00-FF, *)  <i>\$u</i>: Additional Sense Code for sense information before conversion (00-FF, *)  <i>\$v</i>: Sense Key for sense information after conversion (0-F, *)  <i>\$w</i>: Sense Code for sense information after conversion (00-FF, *)  <i>\$x</i>: Additional Sense Code for sense information after conversion (00-FF, *)  <i>\$y</i>: Command Timeout Time (10-255)  <i>\$z</i>: Response Status (Busy, Task-Set-Full, Unit-Attention)  <i>\$A</i>: iSCSI Discovery Response Mode (Port, All)  <i>\$B</i>: iSCSI Reservation Range (Port, System)  <i>\$C</i>: Reservation Conflict Response (Write Exclusive) (Good, Conflict)  <i>\$D</i>: Product Revision command response (Respond, Not Respond)</p>
	<p>[Name=<i>\$a</i> No=<i>\$b</i> LUN_Address=<i>\$c</i> LUN_Expand_Mode=<i>\$d</i> Symmetric=<i>\$e</i> Tpgs_Mode=<i>\$f</i> Tpg_Referrals=<i>\$g</i> Prhl_Dev_Type=<i>\$h</i> Flat_Prhl_Dev_Type=<i>\$i</i> SCSI_Version=<i>\$j</i> Naca=<i>\$k</i> Dev_ID_Type=<i>\$l</i> Product_ID=<i>\$m</i> Conflict=<i>\$n</i> LUN_Change=<i>\$o</i> LUN_Expand=<i>\$p</i> Unique_Sense=<i>\$q</i> Sense_Preset=<i>\$r</i> [Sense_From=<i>\$s</i> <i>\$t</i> <i>\$u</i> Sense_To=<i>\$v</i> <i>\$w</i> <i>\$x</i>] Monitor_Time=<i>\$y</i> Load_Balance_Res_Status=<i>\$x</i> iSCSI_Response=<i>\$A</i> iSCSI_Rsv_Range=<i>\$B</i> Rsv_Mode_Sense=<i>\$C</i> Product_Revision=<i>\$D</i>]</p>	
02060016	Delete Host Response	<p>The host response is deleted.</p> <p><i>\$a</i>: Host response name</p>
	[Name= <i>\$a</i> ]	
02060017	Set CA Reset Group	<p>The CA Reset Group parameter is set or deleted.</p> <p><i>\$a</i>: Port number (example: 001, 002)</p>
	[Port= <i>\$a</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02060018	Create Port Group	The port group is created. \$a: Port group name \$b: Port group number \$c: Port number (example: 001, 002)
	[Name=\$a No=\$b Port=\$c]	
02060019	Set Port Group	The port group settings are changed. \$a: Port group name \$b: New port group name \$c: Port number (example: 001, 002)
	[Name=\$a New_Name=\$b Port=\$c]	
0206001A	Delete Port Group	The port group is deleted. \$a: Port group name
	[Name=\$a]	
0206001B	Create Host Group	The host group is created. \$a: Host group name \$b: Host group number \$c: Host name \$d: Host response name
	[Name=\$a No=\$b Host=\$c Host_Response=\$d]	
0206001C	Set Host Group	The host group settings are changed. \$a: Host group name \$b: New host group name \$c: Host name \$d: Host response name
	[Name=\$a New_Name=\$b Host=\$c Host_Response=\$d]	
0206001D	Delete Host Group	The host group is deleted. \$a: Host group name
	[Name=\$a]	
0206001E	Set Qos mode	The QoS mode is changed. \$a: QoS mode (Enable, Disable) \$b: Flexible mode (Enable, Disable) \$c: Priority mode (Enable, Disable) \$d: Priority ratio
	[Mode=\$a Flexible_Mode=\$b Priority_Mode=\$c Priority_Ratio=\$d]	
0206001F	Set LU QoS Group	The LU QoS group is set. \$a: LU-QoS group number \$b: Host LUN \$c: Band width limit (0 - 15)
	[No=\$a [LUN=\$b Limit=\$c]]	
02060020	Delete LU QoS Group	The LU QoS group is deleted. \$a: LU QoS group number
	[No=\$a]	
02060021	Set Port QoS	The bandwidth limit for the port is set. \$a: Port number (example: 001 or "All") \$b: Band width limit (0 - 15) \$c: Event number (1 - 7) \$d: Schedule number (0 - 2047, "None")
	[Port=\$a Limit=\$b Event_No=\$c Schedule_No=\$d]	
02060022	Set Host QoS	The bandwidth limit for the host is set. \$a: Host name \$b: Band width limit (0 - 15) \$c: Event number (1 - 7) \$d: Schedule number (0 - 2047, "None")
	[Host=\$a Limit=\$b Event_No=\$c Schedule_No=\$d]	
02060023	Set LU QoS	The bandwidth limit for the host LUN is set or released. \$a: Port number (example: 001, 002) \$b: Host name \$c: LU QoS group number \$d: Event number (1 - 7) \$e: Schedule number (0 - 2047, "None")
	[Port=\$a Host=\$b Qos_Group=\$c Event_No=\$d Schedule_No=\$e]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02060025	Set LCU	LCU is set. \$a: LCU number (hexadecimal number [example: 0x00, 0x01, 0x02]) \$b: SSID (hexadecimal number [example: 0x00, 0x01, 0x02]) \$c: CKD_EX (Enable, Disable) \$d: RBS mode (Enable, Disable)
	[No=\$a SSID=\$b CKD_EX=\$c RBS_Mode=\$d]	
02060028	Start Host LU QoS Performance	Performance information collection for the Host-LU QoS is started. \$a: Port number (example: 001, 002, "All")
	[Port=\$a]	
02060029	Stop Host LU QoS Performance	Performance information collection for the Host-LU QoS is stopped. \$a: Port number (example: 001, 002, "All")
	[Port=\$a]	
0206002A	Set Host path State	The access settings from the host is changed. \$a: Port number (example: 001, 002) \$b: Host name \$c: State (Online, Offline)
	[Port=\$a Host=&b State=\$c]	
0206002B	Set LU QoS Schedule	The LU QoS schedule is created, changed, or deleted. \$a: Schedule number (0 - 2047) \$b: Mode (Set, Delete)
	[No=\$a Mode=\$b]	
0206002C	Initialize QoS	The QoS settings are initialized.
	Detail information is not displayed.	
0206002D	Set QoS Bandwidth Limit	The QoS bandwidth limit is specified. \$a: Mode (Port QoS, Host QoS, LU QoS, Volume QoS, Volume QoS Read, Volume QoS Write) \$b: Bandwidth limit (1 - 15) \$c: IOPS (60 - 65535) \$d: Throughput (1 - 65535) \$e: Revert to the initial value
	[Mode=\$a Bandwidth_Limit=\$b Iops=\$c Throughput=\$d Reset=(\$e)]	

**Table 67 Audit Log Messages (Event Code: 0207xxxx through 0208xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02070001	Set Role	The custom role is created or the custom role settings are changed. \$a: Role name \$b: Policy (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19)
	[Name=\$a Policy=\$b]	
02070002	Delete Role	The custom role is deleted. \$a: Role name
	[Name=\$a]	
02070003	Set User	The user account is created or the user account settings are changed. \$a: User name \$b: Role name \$c: Whether the created/changed account is enabled or disabled (Enable, Disable) \$d: Password \$e: Tenant number \$f: Tenant name
	[Name=\$a Role=\$b Function=\$c Passwd=\$d Tenant_Number=\$e Tenant_Name=\$f]	



2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02070004	Delete User	The user account is deleted. \$a: User name
	[Name=\$a]	
02070005	Initialize User	All of the user accounts in the storage system are deleted and the account settings are initialized.
	Detail information is not displayed.	
02070006	Set SSH Public Key	The SSH public key is imported or the existing SSH public key is deleted. \$a: SSH public key (*, -)
	[Key=\$a]	
02070007	Show Maintenance Key	The maintenance key is displayed. \$a: Created maintenance key \$b: Deleted maintenance key \$c: Maintenance key lifetime hours (1-48)
	[Create(\$a) Delete(\$b) Time=\$c]	
02070008	Set User Policy	The user policy is set. \$a: Minimum password length (4 - 64) \$b: Password complexity (Enable, Disable) \$c: Number of password generations to manage (0 - 16) \$d: Duration in which changing the password is prohibited (0 - 999) \$e: Password validity period (0 - 999) \$f: Threshold for logon attempts before a lockout occurs (0 - 999) \$g: Lockout duration (0 - 99999)
	[Min_Pwd_Length=\$a Pwd_Complexity=\$b Pwd_History=\$c Min_Pwd_Age=\$d Max_Pwd_Age=\$e Acc_Lock_Threshold=\$f Acc_Lock_Duration=\$g]	
02070009	Create Tenant	The tenant is created. \$a: Tenant name
	[Name=\$a]	
02070010	Delete Tenant	The tenant is deleted. \$a: Tenant number \$b: Tenant name
	[Tenant_Number=\$a Tenant_Name=\$b]	
02080001	Set Advanced Copy License	The Advanced Copy license is set.
	Detail information is not displayed.	
02080002	Delete Advanced Copy License	The Advanced Copy license is deleted.
	Detail information is not displayed.	
02080003	Set Advanced Copy policy	The pool policy for the Advanced Copy is set. \$a: Notification threshold [%] (1 - 97) \$b: Warning threshold [%] (2 - 98) \$c: Error threshold [%] (3 - 99)
	[Information=\$a Warning=\$b Error=\$c]	
02080004	Set SDPE	The SDPV resolution is set. \$a: Resolution for SDPV (1GB, 2GB, 4GB)
	[SDPE=\$a]	
02080005	Set Advanced Copy Table Size	The copy table size, the EC/OPC priority, and the copy schedule mode are set. \$a: Resolution (1, 2, 4, 8, 16, 32, 64) \$b: Copy table size (example: 8MB, 16MB) \$c: Copy table size threshold [%] (1 - 100) \$d: EC/OPC priority (Auto, High, Low, Very Low, Middle) \$e: Copy schedule mode (Session Balancing, Dst RG Balancing)
	[Resolution=\$a Size=\$b Warning=\$c Rate=\$d Sch_Mode=\$e]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02080006	Set EC/OPC Rate	The EC/OPC priority and the copy schedule mode are set. \$a: EC/OPC priority (Auto, High, Low, Very Low, Middle) \$b: Copy schedule mode (Session Balancing, Dst RG Balancing)
	[Rate=\$a Sch_Mode=\$b]	
02080007	Initialize Snap Data Volume	The SDV is initialized. \$a: SDV number
	[No=\$a]	
02080008	Delete Snap Data Pool Volume	The SDPV is deleted. \$a: SDPV number \$b: Mode (Force, Reservation)
	[No=\$a Mode=\$b]	
02080009	Start Advanced Copy	The SnapOPC+ is started. \$a: Type (SnapOPC+) \$b: Copy source volume number \$c: Copy destination volume number \$d: Start a monitor session to check the volume data (Yes)
	[Type=\$a Source_No=\$b Destination_No=\$c Start_Data_Check_Monitor_Sessoin=\$d]	
0208000A	Delete Advanced Copy	The copy session is stopped. \$a: Session ID \$b: Deletion mode (Force, Normal) \$c: TFO mode (Tfo_Mode) \$d: WOL mode (Enable, Disable)
	[ID=\$a Mode=\$b Tfo_Mode=( \$c) Vvol_Mode=\$d]	
0208000B	Set Host Port Mode	The port mode for the host interface port is changed. \$a: Port number (example: 001 or "All") \$b: Port mode after changing (CA, RA, Initiator, CA/RA, CH, CU, RFCF-RA)
	[Port=\$a Mode=\$b]	
0208000C	Modify REC path	The REC copy path information is set, imported, or deleted.
	Detail information is not displayed.	
0208000D	Set REC Round Trip Time	The round trip time for the REC is set. \$a: Box ID for the remote device \$b: Round trip time for the REC [msec] (1 - 65535)
	[Box_ID=\$a Time=\$b]	
0208000E	Set REC Multiplicity	The REC multiplicity is set. \$a: Box ID for the remote device \$b: REC Multiplicity (1 - 1024, Auto) \$c: Priority level (1 - 8, Auto) \$d: Copy schedule mode (Session Balancing, Dst RG Balancing) \$e: Multiplicity of each session (Enable, Disable) \$f: Priority of each session (Enable, Disable)
	[Box_ID=\$a Multiplicity=\$b Priority_Level=\$c Sch_Mode=\$d Multiplicity_per_Session=\$e Priority_per_Session=\$f]	
0208000F	Set REC Buffer	The REC Buffer is set. \$a: Group number (REC Buffer number) \$b: Volume type (Open) \$c: Box ID for the remote device \$d: REC Buffer size [MB] \$e: Buffer type (Receive, Send) \$f: Forwarding Interval [sec] \$g: HALT Wait Timer [sec] (0, 5, 10, 15) \$h: Monitoring Time [sec] (0 - 15) \$i: I/O Priority Mode (Enable, Disable) \$j: HALT Priority Mode (Enable, Disable)
	[No=\$a Vol_Type=\$b Box_ID=\$c Size=\$d Type=\$e Interval=\$f Wait_Timer=\$g Monitor=\$h IO_Response_Priority=\$i HALT_Priority=\$j]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02080010	Delete REC Buffer	The REC Buffer is deleted. \$a: Group number (REC Buffer number)
	[No=\$a]	
02080011	Create REC Disk Buffer	The REC Disk Buffer is created. \$a: RAID group number \$b: RAID group name \$c: Drive (DE-ID + Slot number (example: 0000, 0001, 0002)) \$d: Assigned CM (0, 1, Auto) \$e: Encryption by CM (Enable, Disable) \$f: Stripe Depth (64KB, 128KB, 256KB, 512KB, 1024KB)
	[No=\$a Name=\$b Disk=\$c CM=\$d Encryption=\$e Stripe_Depth=\$f]	
02080012	Set REC Disk Buffer	The REC Disk Buffer allocation for the REC Buffer is changed. \$a: Group number (REC Buffer number) \$b: RAID group number
	[Group_No=\$a No=\$b]	
02080013	Delete REC Disk Buffer	The REC Disk Buffer is deleted. \$a: RAID group number
	[No=\$a]	
02080014	Format REC Disk Buffer	The REC Disk Buffer is formatted. \$a: RAID group number
	[No=\$a]	
02080015	Export Storage Info	The storage system information is exported.
	Detail information is not displayed.	
02080016	Export Backup REC Path	The copy path information is exported.
	Detail information is not displayed.	
02080017	Set REC Bandwidth Limit	The bandwidth limit for Remote Copy QoS has been set. \$a: Box ID for the remote device \$b: Own port number (example: 001) \$c: Remote device port (WWN, iSCSI Name) \$d: Bandwidth limit (0 - 65535)
	[Remote_Box_ID=\$a Local_Port=\$b Remote_Port=\$c Limit=\$d]	
02080018	Set REC Line Speed	The REC line speed is set. \$a: Box ID for the remote device \$b: REC line speed (1 - 65535)
	[Remote_Box_ID=\$a Line_Speed=\$b]	
02080019	Set Rec Path Parameters	The REC path parameters are set. \$a: Box ID for the remote device \$b: REC line speed (1 - 65535)
	[Remote_Box_ID=\$a Line_Speed=\$b]	
02080020	Start Copy OPC	The OPC is started. \$a: Source Volume Number \$b: Source Volume Name \$c: Destination Volume Number \$d: Destination Volume Name \$e: Copy LBA Count \$f: Source LBA \$g: Destination LBA
	[Source_Volume_Number=\$a Source_Volume_Name=\$b Destination_Volume_Number=\$c Destination_Volume_Name=\$d Size=\$e Source_Lba=\$f Destination_Lba=\$g]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02080021	Start Copy QuickOPC	The QuickOPC is started. <i>\$a</i> : Source Volume Number <i>\$b</i> : Source Volume Name <i>\$c</i> : Destination Volume Number <i>\$d</i> : Destination Volume Name <i>\$e</i> : Copy LBA Count <i>\$f</i> : Source LBA <i>\$g</i> : Destination LBA <i>\$h</i> : WVOL Session Delete Mode (Enable, Disable) <i>\$i</i> : WVOL Tracking Snapshot Volume Number <i>\$j</i> : Restart Session ID
	[Source_Volume_Number= <i>\$a</i> Source_Volume_Name= <i>\$b</i> Destination_Volume_Number= <i>\$c</i> Destination_Volume_Name= <i>\$d</i> Size= <i>\$e</i> Source_Lba= <i>\$f</i> Destination_Lba= <i>\$g</i> Vvol_Session_Delete_Mode= <i>\$h</i> Vvol_Tracking_Snapshot_Volume_Number= <i>\$i</i> Restart= <i>\$j</i> ]	
02080022	Start Copy SnapOPC	The SnapOPC is started. <i>\$a</i> : Source Volume Number <i>\$b</i> : Source Volume Name <i>\$c</i> : Destination Volume Number <i>\$d</i> : Destination Volume Name <i>\$e</i> : Copy LBA Count <i>\$f</i> : Source LBA <i>\$g</i> : Destination LBA <i>\$h</i> : Mode (Normal, Plus) <i>\$i</i> : WVOL Session Delete Mode (Enable, Disable) <i>\$j</i> : Restart Session ID
	[Source_Volume_Number= <i>\$a</i> Source_Volume_Name= <i>\$b</i> Destination_Volume_Number= <i>\$c</i> Destination_Volume_Name= <i>\$d</i> Size= <i>\$e</i> Source_Lba= <i>\$f</i> Destination_Lba= <i>\$g</i> Mode= <i>\$h</i> Vvol_Session_Delete_Mode= <i>\$i</i> Restart= <i>\$j</i> ]	
02080023	Start Copy REC	The REC is started. <i>\$a</i> : Source Box ID <i>\$b</i> : Source Volume Number <i>\$c</i> : Destination Box ID <i>\$d</i> : Destination Volume Number <i>\$e</i> : Copy LBA Count <i>\$f</i> : Source LBA <i>\$g</i> : Destination LBA <i>\$h</i> : Mode (Skip) <i>\$i</i> : Transfer Mode (00, 02, 03, 10) <i>\$j</i> : Split Mode (0, 1) <i>\$k</i> : Recovery Mode (0, 1) <i>\$l</i> : Secondary Access (0, 1)
	[Source_Boxid= <i>\$a</i> Source_Volume_Number= <i>\$b</i> Destination_Boxid= <i>\$c</i> Destination_Volume_Number= <i>\$d</i> Size= <i>\$e</i> Source_Lba= <i>\$f</i> Destination_Lba= <i>\$g</i> Mode= <i>\$h</i> Xfer_Mode= <i>\$i</i> Split= <i>\$j</i> Recovery= <i>\$k</i> Secondary_Access= <i>\$l</i> ]	
02080024	Suspend Copy REC	The REC is suspended. <i>\$a</i> : Session ID <i>\$b</i> : Mode (Normal, Force, Concurrent) <i>\$c</i> : Untrans (Enable, Disable) <i>\$d</i> : Timer <i>\$e</i> : Multi (Enable, Disable)
	[Session_Id= <i>\$a</i> Mode= <i>\$b</i> Untrans= <i>\$c</i> Timer= <i>\$d</i> Multi= <i>\$e</i> ]	
02080025	Resume Copy REC	The REC is resumed. <i>\$a</i> : Session ID <i>\$b</i> : Remain Mode (Enable, Disable) <i>\$c</i> : Multi (Enable, Disable)
	[Session_Id= <i>\$a</i> Remain_Mode= <i>\$b</i> Multi= <i>\$c</i> ]	
02080026	Change Copy REC	The REC is changed. <i>\$a</i> : Session ID <i>\$b</i> : Action (Change, Reverse) <i>\$c</i> : Transfer Mode (00, 02, 03, 10) <i>\$d</i> : Split Mode (0, 1) <i>\$e</i> : Recovery Mode (0, 1) <i>\$f</i> : Multi (Enable, Disable)
	[Session_Id= <i>\$a</i> Action= <i>\$b</i> Xfer_Mode= <i>\$c</i> Split= <i>\$d</i> Recovery= <i>\$e</i> Multi= <i>\$f</i> ]	

Event code	Upper: Message	Description
	Lower: Detailed information	
02080027	Stop Copy Session	The copy session is stopped. \$a: Session ID \$b: Mode (Force, Stop_Tracking) \$c: Multi (Enable, Disable)
	[Session_Id=\$a Mode=\$b Multi=\$c]	

**Table 68 Audit Log Messages (Event Code: 0209xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02090001	Set Network	The network environment is set. \$a: IP address format (IPv4, IPv6) \$b: LAN port (MNT, RMT, FST) \$c: Transfer Rate (1000Mb, 100MbFull, 100MbHalf, 10MbFull, 10MbHalf, Auto) \$d: Master IPv4 Address \$e: Slave IPv4 Address \$f: Subnet Mask \$g: Master IPv6 Link Local Address \$h: Slave IPv6 Link Local Address \$i: Master IPv6 Connect Address \$j: Slave IPv6 Connect Address \$k: Length of Subnet Prefix [bit] (3 – 128) \$l: Gateway Address \$m: Primary DNS IP Address \$n: Secondary DNS IP Address \$o: Wake on LAN (Enable, Disable) \$p: Allowed IP Address \$q: Allowed IP Offset (1 – 16)
	[Format=\$a Port=\$b \$Speed=\$c Master=\$d Slave=\$e Netmask=\$f Master_Local=\$g Slave_Local=\$h Master_Connect=\$i Slave_Connect=\$j Prefix_Length=\$k Gateway=\$l/Primary_DNS=\$m Secondary_DNS=\$n Wake_On=\$o [Allow=\$p Allow_Offset=\$q]]	
02090002	Set Firewall	The firewall setting is changed \$a: LAN port (MNT, RMT, FST) \$b: HTTP (Open, Close) \$c: HTTPS (Open, Close) \$d: Telnet (Open, Close) \$e: SSH (Open, Close) \$f: Maintenance Secure (Open, Close) \$g: ICMP (Open, Close) \$h: SNMP (Open, Close) \$i: RCIL (Open, Close) \$j: ETERNUS DX Discovery (Open, Close) \$k: Rest (Open, Close)
	[Port=\$a Http=\$b Https=\$c Telnet=\$d Ssh=\$e Mnt_Secure=\$f Icmp=\$g Snmp=\$h RCIL=\$i Eternus_Dx_Discovery=\$j Rest=\$k]	
02090003	Set SNMP	The SNMP is set. \$a: SNMP function (Enable, Disable) \$b: LAN port (MNT, RMT) \$c: Authentication Failure Trap (Enable, Disable) \$d: Engine ID (example: 12, 13 ... or "Default") \$e: MIB-II version (RFC1213, RFC4293)
	[Function=\$a Port=\$b Failure_Trap=\$c Engine_ID=\$d Version=\$e]	
02090004	Set SNMP Manager	The SNMP manager settings are added, changed, or deleted. \$a: Manager number (1 – 10) \$b: IP address
	[No=\$a IP=\$b]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02090005	Set SNMP View	The SNMP view settings are added, changed, or deleted. \$a: View name \$b: Subtree \$c: Type (Include, Exclude)
	[Name=\$a [Subtree=\$b (\$c)]]	
02090006	Set SNMP User	The SNMP user settings are added, changed, or deleted. \$a: User name \$b: SNMP View name \$c: Authentication (Enable, Disable) \$d: Authentication method (MD5, SHA) \$e: Encryption (Enable, Disable) \$f: Encryption mode (AES, DES)
	[Name=\$a View=\$b Authentication=\$c Method=\$d Encryption=\$e Encryption_Method=\$f]	
02090007	Set SNMP Community	The SNMP community settings are added, changed, or deleted. \$a: SNMP community name \$b: SNMP MIB view name \$c: SNMP manager number (1 – 10)
	[Name=\$a View=\$b Manager=\$c]	
02090008	Set SNMP Trap	The SNMP Trap settings are added, changed, or deleted. \$a: SNMP Trap number (1 – 10) \$b: SNMP manager number (1 – 10) \$c: IP address \$d: SNMP version (v1, v2c, v3) \$e: Community name \$f: User name \$g: Port number (example: 162)
	[No=\$a Manager=\$b IP=&c Version=\$d Community=\$e User=\$f Port=\$g]	
02090009	Export Enhanced MIB	The MIB file is exported.
	Detail information is not displayed.	
0209000A	Start Packet Capture	Packet Capture has been started. \$a: LAN port (MNT, RMT) \$b: Capture length of each packet \$c: IP address for FTP server \$d: User name for accessing the FTP server \$e: Storage directory
	[Port=\$a Snap_Length=\$b Server=\$c User=\$d Directory=\$e]	
0209000B	Stop Packet Capture	Packet Capture has been stopped.
	Detail information is not displayed.	
0209000C	Set SSL Version	The SSL version is set. \$a: Protocol (HTTPS (GUI), HTTPS (SMI-S), Maintenance-Secure) \$b: TLS1.0 (Enable, Disable) \$c: TLS1.1 (Enable, Disable) \$d: TLS1.2 (Enable, Disable)
	[Protocol=\$a Tls1.0=\$b Tls1.1=\$c Tls1.2=\$d]	
0209000D	Set SSL Security Configuration	The SSL security configuration is defined. \$a: Allow only ECDHE Ciphers (Yes, No) \$b: Protocol (HTTPS(GUI), HTTPS (GUI/REST), HTTPS (SMI-S), Maintenance-Secure) \$c: TLS1.0 (Enable, Disable) \$d: TLS1.1 (Enable, Disable) \$e: TLS1.2 (Enable, Disable)
	[Allow_only_ECDHE_Ciphers=\$a [Protocol=\$b Tls1.0=\$c Tls1.1=\$d Tls1.2=\$e]]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
0209000E	Cancel Job	The job is canceled. \$a: JOB ID
	[Id=\$a]	
0209000F	Delete Job	The job is deleted. \$a: JOB ID
	[Id=\$a]	

**Table 69 Audit Log Messages (Event Code: 020Axxxx through 020Bxxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
020A0001	Set Email Notification	The email notification settings are changed. \$a: E-mail notification (Enable, Disable) \$b: Used LAN port (MNT, RMT, FST) \$c: SMTP port number (example: 25) \$d: SMTP server address \$e: Authentication method (None, Auto, Cram-MD5, Plain, Login) \$f: User account name \$g: Comments when sending an email \$h: Destination email address \$i: Retry count (0 – 5) \$j: Retry interval [sec] (1 – 300) \$k: Timeout period [sec] (1 – 300) \$l: Split mode (Enable, Disable) \$m: Split size (example: 128KB) \$n: E-mail log (Enable, Disable) \$o: I/O module log (Enable, Disable) \$p: Customer information (Enable, Disable) \$q: SMTP over SSL (Disable, STARTTLS, SSL/TLS) \$r: Connection timeout period [sec] (1 – 300)
	[Function=\$a Port=\$b Port_No=\$c Server=\$d Authentication=\$e User=\$f From=\$g To=\$h Retry_Count=\$i Retry_Interval=\$j Timeout=\$k Partial=\$l Size=\$m Send_Log=\$n Iom=\$o Customer=\$p SmtP_Over_Ssl=\$q Connection_Timeout=\$r]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020A0002	Set Event Notification	<p>The event notification settings are changed.</p> <p><i>\$a</i> - <i>\$ak</i>, <i>\$am</i>- <i>\$ar</i>: Notification method (None, Host Sense, Host Sense (HS=0), Host Sense (Ope Msg Enable), REMCS, SNMP Trap, SNMP Trap (HS=0), Mail, Mail (HS=0), Syslog, Syslog (HS=0), AIS, AIS(HS=0))</p> <p><i>\$at</i>: Preset (System, REMCS)</p>
	<p>[Parts_Error=<i>\$a</i> Disk_Error=<i>\$b</i> Disk_Error_Of_HDD_Shield=<i>\$c</i> Succeeded_HDD_Shield=<i>\$d</i> Temperature_Error=<i>\$e</i> Battery_Life_Error=<i>\$f</i> Rebuild_Copyback_With_Redundant=<i>\$g</i> Rebuild_Copyback=<i>\$h</i> Complete_Redundant_Copy=<i>\$i</i> Complete_Redundant_Copy_Of_HDD_Shield=<i>\$j</i> Complete_Rebuild=<i>\$k</i> Bad_Data=<i>\$l</i> Pinned_Data=<i>\$m</i> Not_Ready=<i>\$n</i> Remote_Path_With_Transfer=<i>\$o</i> Remote_Path_Without_Transfer=<i>\$p</i> Halt_Path=<i>\$q</i> Halt_Overload=<i>\$r</i> Halt_Other=<i>\$s</i> Tp_Pool_Ratio=<i>\$t</i> Redundant=<i>\$u</i> Copy_Error=<i>\$v</i> SED_Network_Error=<i>\$w</i> Parts_Warning=<i>\$x</i> Disk_Warning=<i>\$y</i> Disk_Warning_Of_HDD_Shield=<i>\$z</i> Temperature_Warning=<i>\$A</i> Battery_Life_Warning=<i>\$B</i> Recovery_Module=<i>\$C</i> Temperature_Restoration=<i>\$D</i> User_Logon_Logoff=<i>\$E</i> Operate_Raid_Group=<i>\$F</i> Add_Release_Hot_Spare=<i>\$G</i> Operate_Volume=<i>\$H</i> Power_Off_On_Cfl=<i>\$I</i> Sdp_Policy_Level1=<i>\$J</i> Sdp_Policy_Level2=<i>\$K</i> Sdp_Policy_Level3=<i>\$L</i> Limit_Copy_Table=<i>\$M</i> Expire_Trial_Copy_License=<i>\$N</i> ODX=<i>\$O</i> SED_Network_Recovered=<i>\$P</i> Change_FC_CA_Port_Link_Status=<i>\$Q</i> Change_ISCSI_CA_Port_Link_Status=<i>\$R</i> Limit_Host_Login=<i>\$S</i> Remote_Path_Recovered=<i>\$T</i> NAS_IO_Error=<i>\$U</i> NAS_IO_Warning=<i>\$V</i> NAS_Connection_Error=<i>\$W</i> Out_Of_NAS_Capacity_Warning=<i>\$X</i> NAS_Connection_Status=<i>\$Y</i> Out_Of_NAS_Capacity_Info=<i>\$Z</i> Out_Of_NAS_File=<i>\$aa</i> NAS_Snapshot_Error=<i>\$ab</i> NAS_Snapshot_Info=<i>\$ac</i> NAS_Quota_Limit_Exceeded=<i>\$ad</i> Fall_Below_NAS_Quota_Limit=<i>\$ae</i> NAS_CPU_Warning=<i>\$af</i> NAS_CPU_Recovered=<i>\$ag</i> Extended_System_Volume_Error=<i>\$ah</i> Extended_System_Volume_Warning=<i>\$ai</i> Extended_System_Volume_Recovered=<i>\$aj</i> Multipath_Status=<i>\$ak</i> Preset=<i>\$al</i> Disconnect_Storage_Cluster_Controller=<i>\$am</i> Connect_Storage_Cluster_Controller=<i>\$an</i> Automatic_Change_Storage_Cluster_Active/Standby_State=<i>\$ao</i> Manual_Change_Storage_Cluster_Active/Standby_State=<i>\$ap</i> Data_Access_Failed_During_RAIDGroup_Redundancy_Loss=<i>\$aq</i> RAIDGroup_Redundancy_Lost_Or_Recovered=<i>\$ar</i>]</p>	
020A0003	Set LCD Suppress	LCD notification suppression is set.
	Detail information is not displayed.	
020B0001	Create SSH Server Key	<p>The SSH server key is created.</p> <p><i>\$a</i>: Key Length [bit] (1024, 2048, 4096)</p> <p><i>\$b</i>: SSH Version1 (Enable, Disable)</p>
	[Length= <i>\$a</i> Version1= <i>\$b</i> ]	
020B0002	Create SSL Certificate	<p>The SSL server key and the SSL certificate are created.</p> <p><i>\$a</i>: Key Length [bit] (1024, 2048, 4096)</p> <p><i>\$b</i>: Common Name</p> <p><i>\$c</i>: Subject Alt Name</p>
	[Length= <i>\$a</i> Common= <i>\$b</i> Subject_Alt= <i>\$c</i> ]	



2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020B0003	Import SSL Certificate	The SSL server key and the SSL certificate are registered.
	Detail information is not displayed.	
020B0004	Set RADIUS	The RADIUS authentication settings are changed. <i>\$a</i> : RADIUS authentication (Enable, Disable) <i>\$b</i> : Recovery mode (Enable, Enable (Network), Disable) <i>\$c</i> : IP address or FQDN for the primary server <i>\$d</i> : LAN port that is used by the primary server (MNT, RMT) <i>\$e</i> : Port number for the primary server <i>\$f</i> : Authentication mode for the primary server (CHAP, PAP) <i>\$g</i> : Common key with the primary server <i>\$h</i> : Retry timeout period for the primary server [sec] (10, 20, 30, 40, 50, 60) <i>\$i</i> : IP address or FQDN for the secondary server <i>\$j</i> : LAN port that is used by the secondary server (MNT, RMT) <i>\$k</i> : Port number for the secondary server <i>\$l</i> : Authentication mode for the secondary server (CHAP, PAP) <i>\$m</i> : Common key with the secondary server <i>\$n</i> : Retry timeout period for the secondary server [sec] (10, 20, 30, 40, 50, 60)
	[Function= <i>\$a</i> Recovery= <i>\$b</i> Pri_Server= <i>\$c</i> Pri_Port= <i>\$d</i> Pri_Port_No= <i>\$e</i> Pri_Authentication= <i>\$f</i> Pri_Secret= <i>\$g</i> Pri_Timeout= <i>\$h</i> Sec_Server= <i>\$i</i> Sec_Port= <i>\$j</i> Sec_Port_No= <i>\$k</i> Sec_Authentication= <i>\$l</i> Sec_Secret= <i>\$m</i> Sec_Timeout= <i>\$n</i> ]	
020B0005	Set Syslog	The syslog notification settings are changed. <i>\$a</i> : Log sending function for syslog server 1 (RFC3164, RFC5424, Disable) <i>\$b</i> : IP address for syslog server 1 <i>\$c</i> : Port that is used by syslog server 1 (MNT, RMT) <i>\$d</i> : Port number for syslog server 1 <i>\$e</i> : Log sending function for syslog server 2 (RFC3164, RFC5424, Disable) <i>\$f</i> : IP address for syslog server 2 <i>\$g</i> : Port that is used by syslog server 2 (MNT, RMT) <i>\$h</i> : Port number for syslog server 2
	[Function1= <i>\$a</i> Server1= <i>\$b</i> Port1= <i>\$c</i> Port_No1= <i>\$d</i> Function2= <i>\$e</i> Server2= <i>\$f</i> Port2= <i>\$g</i> Port_No2= <i>\$h</i> ]	
020B0006	Set Audit	The audit log settings are changed. <i>\$a</i> : Audit log function (Enable, Disable) <i>\$b</i> : Audit log function for syslog server 1 (RFC3164, RFC5424, Disable) <i>\$c</i> : IP address for syslog server 1 <i>\$d</i> : Port that is used by syslog server 1 (MNT, RMT) <i>\$e</i> : Port number for syslog server 1 <i>\$f</i> : Log sending function for syslog server 2 (RFC3164, RFC5424, Disable) <i>\$g</i> : IP address for syslog server 2 <i>\$h</i> : Port that is used by syslog server 2 (MNT, RMT) <i>\$i</i> : Port number for syslog server 2
	[Audit= <i>\$a</i> Function1= <i>\$b</i> Server1= <i>\$c</i> Port1= <i>\$d</i> Port_No1= <i>\$e</i> Function2= <i>\$f</i> Server2= <i>\$g</i> Port2= <i>\$h</i> Port_No2= <i>\$i</i> ]	
020B0007	Set SED Key Machine Name	The key management machine name is set. <i>\$a</i> : Key management machine name
	[Machine_Name= <i>\$a</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020B0008	Set SED Key Server	The key server is set. <i>\$a</i> : Server ID (1, 2) <i>\$b</i> : IP address or domain name for the server <i>\$c</i> : LAN port (MNT, RMT) <i>\$d</i> : Port number
	[ID= <i>\$a</i> Server= <i>\$b</i> Port= <i>\$c</i> Port_No= <i>\$d</i> ]	
020B0009	Import SSL/KMIP Certificate	The SSL/KMPI server certification is imported.
	Detail information is not displayed.	
020B000A	Create SED Key Group	The key group is created. <i>\$a</i> : Key group name <i>\$b</i> : Storage system group name <i>\$c</i> : Security level (Low, High) <i>\$d</i> : Recovery mode (Auto, Manual) <i>\$e</i> : Key valid period (1 - 12, "Unlimited") <i>\$f</i> : Master server ID (1 - 2, "None") <i>\$g</i> : Slave server ID (1 - 2, "None")
	[Name= <i>\$a</i> Machine_Group_Name= <i>\$b</i> Security_Level= <i>\$c</i> Recovery_Mode= <i>\$d</i> Period= <i>\$e</i> Master_ID= <i>\$f</i> Slave_ID= <i>\$g</i> ]	
020B000B	Set SED Key Group	The key group settings are changed. <i>\$a</i> : Key group name <i>\$b</i> : Storage system group name <i>\$c</i> : Security level (Low, High) <i>\$d</i> : Recovery mode (Auto, Manual) <i>\$e</i> : Key valid period (1 - 12, "Unlimited") <i>\$f</i> : Master server ID (1 - 2, "None") <i>\$g</i> : Slave server ID (1 - 2, "None")
	[Name= <i>\$a</i> Machine_Group_Name= <i>\$b</i> Security_Level= <i>\$c</i> Recovery_Mode= <i>\$d</i> Period= <i>\$e</i> Master_ID= <i>\$f</i> Slave_ID= <i>\$g</i> ]	
020B000C	Delete SED Key Group	The key group is deleted.
	Detail information is not displayed.	
020B000D	Change SED Key	The SED authentication key is changed. <i>\$a</i> : Mode (Reuse, Delete, New)
	[Mode= <i>\$a</i> ]	
020B000E	Recover SED Key Group	The key group that is in locked status can now be accessed.
	Detail information is not displayed.	

**Table 70 Audit Log Messages (Event Code: 020Cxxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
020C0001	Set Date	The date, time, and time zone of the storage system are set. <i>\$a</i> : Date and time (example: 2011-12-28 00:27:49) <i>\$b</i> : Time zone (example: -9:00, +1:00) <i>\$c</i> : DST setting (Enable, Disable) <i>\$d</i> : Start of DST (example: 12-28 00:00, 12-1st-mon 07:00) <i>\$e</i> : End of DST (example: 12-28 00:00, 12-1st-mon 07:00) <i>\$f</i> : NTP function (Enable, Disable) <i>\$g</i> : IP address for the primary NTP server <i>\$h</i> : Port that is used for the primary NTP server connection (MNT, RMT) <i>\$i</i> : IP address for the secondary NTP server <i>\$j</i> : Port that is used for the secondary NTP server connection (MNT, RMT)
	[Time= <i>\$a</i> Time_Zone= <i>\$b</i> DST= <i>\$c</i> From= <i>\$d</i> To= <i>\$e</i> NTP_Function= <i>\$f</i> Pri_NTP_Server= <i>\$g</i> Pri_NTP_Port= <i>\$h</i> Sec_NTP_Server= <i>\$i</i> Sec_NTP_Port= <i>\$j</i> ]	
020C0002	Set Storage System Name	The storage system name is set. <i>\$a</i> : Storage system name <i>\$b</i> : Installation location <i>\$c</i> : Administrator information <i>\$d</i> : Description for the storage system
	[Name= <i>\$a</i> Site= <i>\$b</i> Contact= <i>\$c</i> Description= <i>\$d</i> ]	
020C0003	Set Encryption	The encryption mode is enabled or disabled. <i>\$a</i> : Encryption mode (Fujitsu, AES-128, AES-256, Disable)
	[Mode= <i>\$a</i> ]	
020C0004	Set Box ID	The Box ID is set. <i>\$a</i> : Box ID
	[ID= <i>\$a</i> ]	
020C0005	Set Power Synchronization	The power synchronization settings are changed. <i>\$a</i> : Controller that is managed with the power synchronization function (None, CM0, CM1, SVC0, SVC1) <i>\$b</i> : Auto Power function (Enable, Disable) <i>\$c</i> : Power Resume function (Enable, Disable) <i>\$d</i> : Delay until shutdown [sec] <i>\$e</i> : Power failure signal logic (Positive, Negative) <i>\$f</i> : Low battery signal logic (Positive, Negative) <i>\$g</i> : UPS shutdown signal logic (Positive, Negative) <i>\$h</i> : UPS shutdown signal (Enable, Disable) <i>\$i</i> : RCIL function (Enable, Disable) <i>\$j</i> : Controller that is managed with the power synchronization function using SCCI/PPC (None, CM0, CM1, SVC0, SVC1)
	[Connect= <i>\$a</i> Auto= <i>\$b</i> Resume= <i>\$c</i> Timer= <i>\$d</i> Power_Fail= <i>\$e</i> Low_Battery= <i>\$f</i> UPS_Shutdown_Signal= <i>\$g</i> UPS_Shutdown= <i>\$h</i> Rcil= <i>\$i</i> Connect_Scci_Ppc= <i>\$j</i> ]	
020C0006	Set SED Authentication	The SED authentication key is registered.
	Detail information is not displayed.	
020C0007	Set SMI-S	The SMI-S function is enabled or disabled. <i>\$a</i> : SMI-S function (Enable, Disable) <i>\$b</i> : Performance information (Enable, Disable) <i>\$c</i> : SSL certificate (Built-in, Shared with WebGUI)
	[Function= <i>\$a</i> Performance_Information= <i>\$b</i> SSL_Certificate= <i>\$c</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020C0008	Set Subsystem Parameter [Load_Balance= <i>\$a</i> 1cm_Write_Through= <i>\$b</i> High_Altitude= <i>\$c</i> Read_Sequential= <i>\$d</i> Write_Sequential= <i>\$e</i> Reject_Inquiry= <i>\$f</i> Critical_Disk_Mode= <i>\$g</i> Disk_Media_Error_Check= <i>\$h</i> Rd_Compare_Online_Count= <i>\$i</i> Rd_Compare_Nrline_Count= <i>\$j</i> All_LBAs= <i>\$k</i> Auto_Reboot_NRDY14= <i>\$l</i> TPP_Alloc_Mode= <i>\$m</i> Chk_BID_After_Write= <i>\$n</i> Reduce_Timeout_Nrline= <i>\$o</i> Overrun_Sense= <i>\$p</i> lo_Priority= <i>\$q</i> Delay_Sio_Count= <i>\$r</i> FCLINK_Ch_Initiated_Retry=%L Rd_Compare_MF_Count= <i>\$s</i> All_LBAs_MF= <i>\$t</i> Cache_Mode= <i>\$u</i> Skip_Retry_Access_Disks= <i>\$v</i> Checkcode_Enforce_Mode= <i>\$w</i> Disk_Fail_Early_Detect= <i>\$x</i> I/O_Offloading= <i>\$y</i> Use_Add_Host_Group= <i>\$z</i> Use_Add_Host= <i>\$A</i> Copybackless= <i>\$B</i> Hdd_Shield= <i>\$C</i> Ignore_CMCM_Errors= <i>\$D</i> Turbo_Mode= <i>\$E</i> Writeback_Limit_Count= <i>\$F</i> Optimize_For_Advanced_Format_SSD= <i>\$G</i> Data_Compare_Hash_Collision= <i>\$H</i> Redundant_Copy_Priority= <i>\$I</i> Expand_Host_Mode= <i>\$J</i> Expand_Volume_Mode= <i>\$K</i> Slow_Format= <i>\$M</i> Session_Timeout= <i>\$N</i> Use_Cookies= <i>\$O</i> ]	The subsystem parameters are set. <i>\$a</i> : Load Balance (Enable, Disable) <i>\$b</i> : 1CM Write Through (Enable, Disable) <i>\$c</i> : Highland Mode (Enable, Disable) <i>\$d</i> : Read Sequential (Enable, Disable) <i>\$e</i> : Write Sequential (Enable, Disable) <i>\$f</i> : Reject INQUIRY from Unauthorized Host (Enable, Disable) <i>\$g</i> : Critical Disk Mode (Enable, Disable) <i>\$h</i> : Disk Media Error Check (Mode1, Mode2) <i>\$i</i> : Read Compare Mode for Online Disks (0 - 255) <i>\$j</i> : Read Compare Mode for Nearline Disks (0 - 255) <i>\$k</i> : All LBAs (Enable, Disable) <i>\$l</i> : Auto Reboot NRDY14 (Enable, Disable) <i>\$m</i> : Thin Provisioning Allocation Mode (TPP Balancing, TPV Balancing) <i>\$n</i> : Check BID after Write Command (Enable, Disable) <i>\$o</i> : Reduce the Timeout Period for Nearline Disks (Enable, Disable) <i>\$p</i> : Overrun Sense with Permanent (Enable, Disable) <i>\$q</i> : I/O Priority Control (Enable, Disable) <i>\$r</i> : Delay SIO Count (4K, 8K, 16K, 32K) <i>\$s</i> : Read Compare Mainframe Count (0 - 255) <i>\$t</i> : All LBAs Mainframe (Enable, Disable) <i>\$u</i> : Cache Mode (Normal, Flexible Write Through) <i>\$v</i> : Skip Retry when Failed to Access Disks (Enable, Disable) <i>\$w</i> : Check the checkcodes of all the data blocks (Enable, Disable) <i>\$x</i> : Early detection-and-isolation of a failed disk (Enable, Disable) <i>\$y</i> : I/O Offloading (Enable, Disable) <i>\$z</i> : Use "Add Host Group" (Enable, Disable) <i>\$A</i> : Use "Add Host" (Enable, Disable) <i>\$B</i> : Copybackless (Enable, Disable) <i>\$C</i> : Drive Shield (Enable, Disable) <i>\$D</i> : Ignore CM-CM Communication Error (Enable, Disable) <i>\$E</i> : Turbo Mode (Enable, Disable) <i>\$F</i> : Writeback Limit Count (128, 256, 512, 1024, 2048, 3072, 6144) <i>\$G</i> : Application of Advanced Format SSD (Enable, Disable) <i>\$H</i> : Data Compare when hash collision occurs (Enable, Disable) <i>\$I</i> : Redundant Copy Priority (Redundancy, IO Response) <i>\$J</i> : Expand Host Mode (Enable, Disable) <i>\$K</i> : Expand Volume Mode (Enable, Disable) <i>\$L</i> : FCLINK Channel Initiated Retry (Enable, Disable) <i>\$M</i> : Slow Format (Enable, Disable)

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
		<i>\$N</i> : Session Timeout [sec] (5 - 60) (*1) <i>\$O</i> : Use Cookies (Enable, Disable)
020C0009	Set Disk Patrol [Mode= <i>\$a</i> Disk_Type= <i>\$b</i> Check_Code_Check= <i>\$c</i> Disk_Port_Check= <i>\$d</i> Interval= <i>\$e</i> Operation_ Size= <i>\$f</i> Free_Area_Check= <i>\$g</i> ]	The disk patrol parameters are set. <i>\$a</i> : Mode (Enable, Disable) <i>\$b</i> : Target disk type (None, Data, Spare, Unused) <i>\$c</i> : Check Code Check (Enable, Disable) <i>\$d</i> : Disk Port Check (Enable, Disable) <i>\$e</i> : Interval between each test increment [sec] (1, 2, 3, 4, 5, 6, 7, 8, 9, 10) <i>\$f</i> : Operation Size [MB] (0.5, 1.0, 2.0, 4.0, 8.0, 16.0) <i>\$g</i> : Verify Check for Unused Area of Data Disk (Enable, Disable)
020C000A	Release Reservation [Volume_No= <i>\$a</i> ]	The reservation status of the volume is released. <i>\$a</i> : Volume number
020C000B	Set Disk Performance Monitor [Monitoring= <i>\$a</i> Disk_Isolation= <i>\$b</i> Factor= <i>\$c</i> Threshold= <i>\$d</i> Interval= <i>\$e</i> Event_Notification= <i>\$f</i> ]	The disk performance monitoring parameters are changed. <i>\$a</i> : Monitoring function (Enable, Disable) <i>\$b</i> : Disk isolation (Enable, Disable) <i>\$c</i> : Error monitoring factor [%] (0.1 - 10.0) <i>\$d</i> : Threshold of allowable error (7.2 - 720.0) <i>\$e</i> : Monitoring time [hour] <i>\$f</i> : Event notification (Enable, Disable)
020C000E	Set Debug Mode [Trace_Level= <i>\$a</i> Panic= <i>\$b</i> ]	The debug mode is set. <i>\$a</i> : Trace level (example: 00-FF) <i>\$b</i> : Collection mode of the panic dump (Nose and Tail, Fortnight, Disable)
020C000F	Start Performance [Interval= <i>\$a</i> ]	Performance information collection is started. <i>\$a</i> : Collection interval [sec] (30, 60, 90, 120, 150, 180, 210, 240, 270, 300)
020C0010	Stop Performance Detail information is not displayed.	Performance information collection is stopped.
020C0011	Set Bind In Cache [Size= <i>\$a</i> ]	The Bind-in-Cache memory size is changed. <i>\$a</i> : New capacity (example: 256MB)
020C0012	Delete Event Detail information is not displayed.	All of the event logs are deleted.
020C0013	Initialize System Disk Detail information is not displayed.	The BUD is initialized.
020C0014	Change Master Detail information is not displayed.	The master CM is changed.
020C0015	Write Back Pinned Data [No= <i>\$a</i> ]	The pinned data is written back to the volume. <i>\$a</i> : Volume number
020C0016	Clear Pinned Data [No= <i>\$a</i> ]	The pinned data in the cache memory is deleted. <i>\$a</i> : Volume number
020C0017	Forced Write Back Detail information is not displayed.	Write back is forcibly performed.

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020C0018	Forced Restore	Restoration is forcibly performed.
	Detail information is not displayed.	
020C0019	Recover Backup Restore Fail	The storage system is recovered from Backup Fail status or Restore Fail status.
	Detail information is not displayed.	
020C001A	Recover Machine Down Recovery	The Machine Down Recovery Fail status is reset.
	Detail information is not displayed.	
020C001B	Reset All Controller Module	All of the controllers are rebooted.
	Detail information is not displayed.	
020C001C	Recover RAID Group	The RAID group is forcible recovered. \$a: RAID group number \$b: Recovery mode (Force, Disk)
	[No=\$a Mode=\$b]	
020C001D	Diagnose Disk	The disk diagnosis is started. \$a: Disk (DE-ID + Slot number (example: 0000, 0001, 0002)) \$b: Count (1 - 65535) \$c: Mode (Read Only, Write/Read/Compare)
	[Disk=\$a Count=\$b Mode=\$c]	
020C001E	Diagnose RAID Group	The RAID group diagnosis is started. \$a: RAID group number \$b: Recovery mode (OtherThanCompareError, Any-Error, Disable)
	[No=\$a Auto_Recovery=\$b]	
020C001F	Stop Diagnosis	The diagnosis process is stopped. \$a: Type (Disk, RAID Group) \$b: RAID group number
	[Type=\$a RAID_No=\$b]	
020C0020	Clear Diagnosis	The diagnosis is complete. \$a: Type (Disk, RAID Group) \$b: RAID group number
	[Type=\$a RAID_No=\$b]	
020C0021	Set LED	The LED of the target component is turned on, blinked, or turned off. \$a: Target component (CE, DE, Disk) \$b: Drive (DE-ID + Slot number (example: 0000, 0001, 0002)) \$c: LED (ON, OFF) \$d: DE-ID
	[Target=\$a Disk=\$b LED=\$c De=\$d]	
020C0022	Set Event Parameter	The LED display (turning on or blinking) settings when an event occurs are set. \$a: Blink Fault LED at warning (Enable, Disable) \$b: Turn on Fault LED when redundant copy is completed (Enable, Disable)
	[Warning_LED=\$a Comp_Redundant_Copy_LED=\$b]	
020C0023	Shutdown	The storage system is off or rebooted. \$a: Mode (Shutdown, Restart)
	[Mode=\$a]	
020C0024	Set Differential Backup	The differential backup function is enabled or disabled. \$a: Differential Backup (Enable, Disable)
	[Differential_Backup=\$a]	
020C0025	Set ODX Mode	The ODX function is enabled or disabled. \$a: Mode (Enable, Disable)
	[Mode=\$a]	
020C0026	Set CLI Idle Timeout	The idle timeout limit when using ETERNUS CLI is set or displayed. \$a: Timeout limit [minute] (5 - 60)
	[Timeout=\$a]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020C0027	Set Extreme Cache	The Extreme Cache function is enabled or disabled. <i>\$a</i> : Extreme Cache mode (Enable, Disable, Read) <i>\$b</i> : Extreme Cache capacity (xxGB, Auto) <i>\$c</i> : Initial Caching Threshold (1 - 16) <i>\$d</i> : Caching Threshold (1 - 16, 0xff) <i>\$e</i> : Monitored in Staging (read, read/write) <i>\$f</i> : Caching Priority (1 - 10) <i>\$g</i> : PFM number <i>\$h</i> : CE number where Extreme Cache is installed
	[Mode= <i>\$a</i> Capacity= <i>\$b</i> Initial_Caching_Threshold= <i>\$c</i> Caching_Threshold= <i>\$d</i> Monitoring_IO= <i>\$e</i> Caching_Priority= <i>\$f</i> Pfm_Number= <i>\$g</i> Owner= <i>\$h</i> ]	
020C0028	Force Restore Thin Provisioning	The Thin Provisioning Pool is forcibly restored.
	Detail information is not displayed.	
020C0029	Clear Cache	The cache is cleared. <i>\$a</i> : CM (Enable, Disable) <i>\$b</i> : PFM (Enable, Disable) <i>\$c</i> : Extreme Cache Pool (Enable, Disable)
	[CM= <i>\$a</i> PFM= <i>\$b</i> Extreme_Cache_Pool= <i>\$c</i> ]	
020C0030	Set Exclusive Read Cache	The read cache occupancy rate is set. <i>\$a</i> : Read cache occupancy rate (0%, 5%, 10%, 15%, 20%, 25%, 30%)
	[Exclusive_Read_Cache= <i>\$a</i> ]	
020C0031	Create Extreme Cache Pool	Extreme Cache Pool is created. <i>\$a</i> : CM number (0, 1, ceXcmY) (X: CE number, Y: CM number) <i>\$b</i> : Extreme Cache Pool capacity <i>\$c</i> : Encryption mode (Enable, Disable) <i>\$d</i> : Initial Caching Threshold (1 - 16) <i>\$e</i> : Caching Threshold (1 - 16, 0xff) <i>\$f</i> : Monitored in Staging (read, read/write) <i>\$g</i> : Caching Priority (1 - 10)
	[[CM= <i>\$a</i> Capacity= <i>\$b</i> Encryption= <i>\$c</i> Initial_Caching_Threshold= <i>\$d</i> Caching_Threshold= <i>\$e</i> Monitoring_IO= <i>\$f</i> Caching_Priority= <i>\$g</i> ]	
020C0032	Delete Extreme Cache Pool	Extreme Cache Pool is deleted. <i>\$a</i> : CM number (0, 1)
	[CM= <i>\$a</i> ]	
020C0033	Set GS Memory expansion License	The expansion license for the GS cache memory is registered. <i>\$a</i> : Information of the newly registered expansion license for the GS cache memory 1: Only license 1 (16GB to 32GB) is registered 2: Only license 2 (48GB to 64GB) is registered 1, 2: Both license 1 and license 2 are registered
	[License= <i>\$a</i> ]	
020D0001	Update Customer Information	The customer information is registered or updated. <i>\$a</i> : Deletion of the customer information in the storage system (Yes, No)
	[Delete_Customer_Identity_Info= <i>\$a</i> ]	
020C0034	Start SSD Sanitization	SSD sanitization has started. <i>\$a</i> : Drive (DE-ID + Slot number [example: 0000, 0001, 0002, 1000, 1001])
	[Disks= <i>\$a</i> ]	
020C0035	Release Extreme Cache	Extreme Cache has been released. <i>\$a</i> : CE number where Extreme Cache is installed
	[Owner= <i>\$a</i> ]	
020C0036	Set Memory License	The memory license has been set. <i>\$a</i> : Memory license (32, 48, 64, 128, 256, 384, 512, 544, 576, 640, 704, 896, 1024, 1280, 1536). Minimum and maximum values are connected with "-" [example: 32-1536])
	[License=For System Memory Capacity( <i>\$a</i> GB/CE)]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020C0037	Set Data Reduction Mode	The data reduction mode is set. \$a: Data reduction mode (Compression, Disable)
	[Mode=\$a]	
020C0038	Set Veeam	Veeam is set. \$a: Veeam mode (Enable, Disable) \$b: Storage pool for snapshots (Auto, Manual) \$c: Thin Provisioning Pool number \$d: Thin Provisioning Pool name \$e: Flexible Tier Sub Pool number \$f: Flexible Tier Sub Pool name
	[Mode=\$a Storage_Pool_For_Snapshot=\$b Pool_Number=\$c Pool_Name=\$d Ftrp_Number=\$e Ftrp_name=\$f]	
020C0039	Set Extreme Cache Pool	Extreme Cache Pool is set. \$a: Extreme Cache Pool Mode (Read_Only, Disable) \$b: CM number (0, 1) \$c: Drive number \$d: Encryption (Enable, Disable) \$e: Initial Caching Threshold (1 - 16) \$f: Caching Threshold (1 - 16, 0xff) \$g: Monitored in Staging (read, read/write) \$h: Caching Priority (1 - 10)
	[Mode=\$a CM=\$b Disks=\$c Encryption=\$d Initial_Caching_Threshold=\$e Caching_Threshold=\$f Monitoring_IO=\$g Caching_Priority=\$h]	
020C003A	Release Extreme Cache Pool	Extreme Cache Pool is released. \$a: CM number (0, 1)
	[Cm=\$a]	
020C003B	Set Internal Consistency Check	The consistency check mode is enabled for the internal control table of Thin Provisioning. \$a: Consistency check mode for the control table of Thin Provisioning (Yes, No, Run_Forcibly)
	[Thin_Pro_Control_Table=\$a]	
020C003C	Set RESTful API Mode	The RESTful API mode is set. \$a: Mode (Enable, Disable)
	[Mode=\$a]	

\*1: This item is displayed for V10L88 or later.

**Table 71 Audit Log Messages (Event Code: 020Dxxxx through 020Exxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
020D0002	Set Communication Environment	The communication environment settings are registered or updated.
	Detail information is not displayed.	
020D0003	Configure Automatic Log Transmission	The automatic log transmission settings are changed. \$a: Send Log based on Events (Enable, Disable) \$b: Periodic Log Transmission (Enable, Disable) \$c: Time for periodic log transmission (example: 00:00) \$d: Schedule for periodic log transmission (Once per Week, Every Day) \$e: Day of the week when the periodic logs are sent (example: Monday)
	[Send_Log_Error_Occur=\$a Period_Transmission_Log=\$b Time=\$c Period=\$d Day=\$e]	
020D0004	Send Log Manually	The log is sent manually. \$a: Incident Number \$b: Time Range Specified (Enable, Disable)
	[Incident_No=\$a Time_Range=\$b]	
020D0005	Stop Restart Remote Support	The remote support is stopped or restarted. \$a: Mode (Stop, Restart)
	[Mode=\$a]	



2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020D0006	Set Download Controller Firmware	The download parameters for the controller firmware are set. <i>\$a</i> : Download Destination (REMCS, Peer level Storage System) <i>\$b</i> : Automatic Download (Enable, Disable) <i>\$c</i> : Download Schedule (Same as Connection Period, Once per Week) <i>\$d</i> : Download Date (example: Sunday 00:00) <i>\$e</i> : Automatic Controller Firmware Update (Enable, Disable) <i>\$f</i> : Bandwidth Limit (Enable, Disable) <i>\$g</i> : Download speed [Kbit/s] (100 – 999)
	[Destination= <i>\$a</i> Auto_Download= <i>\$b</i> Download_Schedule= <i>\$c</i> Download_Date= <i>\$d</i> Auto_Update= <i>\$e</i> Bandwidth_Limit= <i>\$f</i> Speed= <i>\$g</i> ]	
020D0007	Remote Download Controller Firmware	The controller firmware is downloaded from the remote support center.
	Detail information is not displayed.	
020D0008	Site Download Controller Firmware	The controller firmware is downloaded from a different storage system.
	Detail information is not displayed.	
020D0009	Stop Download Controller Firmware	Downloading of the controller firmware is stopped.
	Detail information is not displayed.	
020D000A	Set Firmware Update from Peer Storage	The settings for downloading controller firmware from a different storage system are set. <i>\$a</i> : IP address of the storage system that contains the downloaded firmware <i>\$b</i> : LAN port for connecting to the different storage system (MNT, RMT)
	[IP= <i>\$a</i> Port= <i>\$b</i> ]	
020D000B	Set Remote Support	The remote support parameters are set. <i>\$a</i> : Deletion of the customer information in the storage system (Yes, No)
	[Delete_Customer_Identity_Info= <i>\$a</i> ]	
020D000C	Set AIS Connect	The AIS Connect operating environment is set or has changed. <i>\$a</i> : AIS Connect function (Enable, Disable) <i>\$b</i> : LAN port (MNT, RMT) <i>\$c</i> : Auto Send Log (Enable, Disable) <i>\$d</i> : Destination (installation) country code of the device <i>\$e</i> : Code and name of the country in which the support office for the device is located <i>\$f</i> : Server Certification (Enable, Disable) <i>\$g</i> : Proxy server FQDN or IP address (IPv4) <i>\$h</i> : Proxy server port number (0 – 65535) <i>\$i</i> : Proxy type (HTTP, SOCKS) <i>\$j</i> : User name for the proxy certification
	[Function= <i>\$a</i> Port= <i>\$b</i> Send_Log= <i>\$c</i> Country_Code= <i>\$d</i> Service_Contract= <i>\$e</i> Server_Certification= <i>\$f</i> Proxy_Server= <i>\$g</i> Proxy_Port_No= <i>\$h</i> Type= <i>\$i</i> User_Name= <i>\$j</i> ]	
020D000E	Send AIS Connect Log	The log is sent to the AIS Connect server manually.
	Detail information is not displayed.	
020D000F	Set AIS Connect Remote Session	The remote session permission of AIS Connect is set. <i>\$a</i> : Remote Session (Permit, Forbid) <i>\$b</i> : Remote Session Timeout[hour] (1 – 24, or "Unlimited")
	[Remote_Session= <i>\$a</i> Timeout= <i>\$b</i> ]	
020D0010	Import AIS SSL Certificate	The SSL server certificate is registered.
	Detail information is not displayed.	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
020D0011	Set Remote Support Mode	The remote support mode is set. \$a: mode (all)
	[Mode= \$a]	
020D0012	Set Customer Information	The customer information of AIS Connect is set.
	Detail information is not displayed.	
020E0001	Start Maintenance	The maintenance operation is started.
	Detail information is not displayed.	
020E0002	Stop Maintenance	The maintenance operation is stopped.
	Detail information is not displayed.	
020E0003	Forced Degradation	The component is forcibly disabled. \$a: Component (example: cm0-ca0)
	[Component= \$a]	
020E0004	Forced Online	The component is forcibly enabled. \$a: Component (example: cm0-ca0)
	[Component= \$a]	
020E0005	Preventive Maintenance	Preventive maintenance of the component is performed. \$a: Component (example: cm0-ca0)
	[Component= \$a]	
020E0006	Hot Expansion	Hot expansion of the component is performed. \$a: Component (example: cm0-ca0) \$b: Change of assigned CM (Enable, Disable) \$c: Mode (Canceled)
	[Component= \$a Change_CM= \$b Mode= \$c]	
020E0007	Hot Deletion	Hot removal of the component is performed. \$a: Component (example: cm0-ca0) \$b: Mode (Canceled)
	[Component= \$a Mode= \$b]	
020E0008	Delete Sense	The sense information is deleted.
	Detail information is not displayed.	
020E000A	Set Host Port License	The license for the additional host interface port is registered.
	Detail information is not displayed.	
020E000B	Upgrade Storage System Model	The storage system model is upgraded. \$a: Mode (Canceled)
	[Mode= \$a]	
020E000C	Export Config Information	The configuration information is exported.
	Detail information is not displayed.	
020E000E	Upgrade Unified Model	The storage system is upgraded to the Unified model.
	Detail information is not displayed.	
020E000F	Setup Drive Monitor Parameters	The drive monitor parameters are set.
	Detail information is not displayed.	
020E0010	Export Drive Monitor Parameters	The drive monitor parameters are exported.
	Detail information is not displayed.	

**Table 72 Audit Log Messages (Event Code: 020Fxxxx through 0210xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
020F0001	Register Controller Firmware	The controller firmware is registered. \$a: Generation (1 - 4) \$b: Firmware version (VxxLxx-xxxx)
	[Generation=\$a Version=\$b]	
020F0002	Start CFD	Application of the controller firmware (enabled at the next power cycle) is started. \$a: Firmware version (VxxLxx-xxxx, none)
	[Version=\$a]	
020F0003	Start CFL	Changing of the current controller firmware is started. \$a: Firmware version (VxxLxx-xxxx, none)
	[Version=\$a]	
020F0004	Register Disk Firmware	The disk firmware is registered. \$a: Vender ID \$b: Product ID \$c: Firmware version
	[Vendor=\$a Product=\$b Revision=\$c]	
020F0005	Update Disk Firmware	The disk firmware is applied. \$a: Product ID \$b: Firmware version \$c: Drive (DE-ID + Slot number (example: 0000, 0001, 0002)) \$d: Apply Mode (Offline, Online)
	[Product=\$a Revision=\$b Disk=\$c Application_Type=\$d]	
020F0006	Delete Disk Firmware	The disk firmware is deleted. \$a: Product ID
	[Product=\$a]	
020F0007	Register Controller Firmware	The controller firmware is registered. \$a: Controller firmware archive (Latest Version, Set File) \$b: Application date and time (Apply Now, YYYYM-MDDhhmm)
	[Archive=\$a Schedule=\$b]	
020F0008	Delete Controller Firmware Schedule	The schedule for applying controller firmware is deleted.
	Detail information is not displayed.	
020F0009	Apply Controller Firmware	The controller firmware is applied. \$a: Application type (cold,cold-cancel, hot-auto, hot-manual, hot-continue) \$b: Indicator (Enable, Disable)
	[Application_Type=\$a Indicator=\$b]	
020F000A	Delete Controller Firmware	The controller firmware is deleted. \$a: Generation (1 - 3)
	[Generation=\$a]	
02100001	Clear Log	The log is deleted.
	Detail information is not displayed.	
02100002	Clear Panic Dump	The panic dump is deleted.
	Detail information is not displayed.	
02100003	Apply Config Information	The configuration information is applied. \$a: Apply Mode (Initialize, Restore, Cancel) \$b: Backup file to be applied (1 - 4) \$c: File to be applied (Latest, One-before, Two-before)
	[Mode=\$a Generation=\$b File=\$c]	
02100004	Clear Disk Error	The drive error is deleted. \$a: Drive (example: 0000, 0001, 0002, 1000, 1001..., All)
	[Disk=\$a]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02100005	Delete Bad Data Info	The bad data information is deleted. \$a: Volume number
	[No=\$a]	
02100006	Export Panic Dump	The panic dump file is exported.
	Detail information is not displayed.	
02100007	Export Log	The log file is exported. \$a: Customer Information (Enable, Disable)
	[Customer_Info=\$a]	
02100008	Export Pinned Data	The pinned data is exported.
	Detail information is not displayed.	
02100009	Cancel Applying Configuration	Application of the configuration information is canceled.
	Detail information is not displayed.	
0210000A	Export Event Log	The event log is exported.
	Detail information is not displayed.	

**Table 73 Audit Log Messages (Event Code: 0211xxxx through 0212xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02110001	Set Flexible Tier Mode	The Flexible Tier function is enabled or disabled. \$a: Mode (Enable, Disable)
	[Mode=\$a]	
02110002	Create Flexible Tier Pool	The Flexible Tier Pool is created. \$a: Flexible Tier Pool number \$b: Flexible Tier Pool name \$c: Warning threshold [%] (5 - 99) \$d: Attention threshold [%] (5 - 80, None) \$e: Encryption mode (Enable, Disable)
	[No=\$a Name=\$b Warning=\$c Attention=\$d Encryption=\$e]	
02110003	Set Flexible Tier Pool	The Flexible Tier Pool settings are changed. \$a: Flexible Tier Pool number \$b: Flexible Tier Pool name \$c: Warning threshold [%] (5 - 99) \$d: Attention threshold [%] (5 - 80, None)
	[No=\$a Name=\$b Warning=\$c Attention=\$d]	
02110004	Format Flexible Tier Pool	The Flexible Tier Pool is formatted. \$a: Flexible Tier Pool number \$b: Mode (All, Unformatted)
	[No=\$a Mode=\$b]	
02110005	Delete Flexible Tier Pool	The Flexible Tier Pool is deleted. \$a: Flexible Tier Pool number
	[No=\$a]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02110006	Create Flexible Tier Sub Pool	The Flexible Tier Sub Pool is created. <i>\$a</i> : Flexible Tier Sub Pool number <i>\$b</i> : Flexible Tier Sub Pool name <i>\$c</i> : Flexible Tier Pool number <i>\$d</i> : Drive type (Online, Nearline, SSD, SED) <i>\$e</i> : RAID level (RAID0, RAID1, RAID1+0, RAID5, RAID6) <i>\$f</i> : Drive (DE-ID + Slot number (example: 0000, 0001, 0002)) <i>\$g</i> : Assigned CM (0, 1, Auto) <i>\$h</i> : Stripe Depth (64KB, 128KB, 256KB, 512KB, 1024KB) <i>\$i</i> : Capacity <i>\$j</i> : FR Consist((4D+2P)x2+1HS,(6D+2P)x2+1HS,(8D+2P)x3+1HS,(4D+2P)x5+1HS) <i>\$k</i> : Priority setting for automatic drive configuration with RAID6-FR (Less Disks, Prior FR)
	[No= <i>\$a</i> Name= <i>\$b</i> FTRP_No= <i>\$c</i> Attribute= <i>\$d</i> Level= <i>\$e</i> [Disk= <i>\$f</i> CM= <i>\$g</i> ] Stripe_Depth= <i>\$h</i> Capacity= <i>\$i</i> Fr_Consist= <i>\$j</i> Fr_Mode= <i>\$k</i> ]	
02110007	Set Flexible Tier Sub Pool	The Flexible Tier Sub Pool settings are changed. <i>\$a</i> : Flexible Tier Sub Pool number <i>\$b</i> : Flexible Tier Sub Pool name <i>\$c</i> : Assigned CM (0, 1)
	[No= <i>\$a</i> Name= <i>\$b</i> CM= <i>\$c</i> ]	
02110008	Expand Flexible Tier Sub Pool	The Flexible Tier Sub Pool capacity is expanded. <i>\$a</i> : Flexible Tier Sub Pool number <i>\$b</i> : Drive (DE-ID + Slot number (example: 0000, 0001, 0002)) <i>\$c</i> : Assigned CM (0, 1)
	[No= <i>\$a</i> [Disk= <i>\$b</i> CM= <i>\$c</i> ]	
02110009	Start FTRPE Migration	FTRPE migration is started. <i>\$a</i> : Migration source volume number <i>\$b</i> : Migration source OLBA Offset <i>\$c</i> : Migration destination Flexible Tier Sub Pool number
	[Volume_Number= <i>\$a</i> Offset= <i>\$b</i> Ftsp_Number= <i>\$c</i> ]	
0211000A	Stop FTRPE Migration	All of the waiting FTRPE migrations are deleted. <i>\$a</i> : Delete FTRPE migration in error status (Enable, Disable)
	[Stop_Error= <i>\$a</i> ]	
0211000B	Start Balancing Flexible Tier Pool	Balancing of Flexible Tier Pool is started. <i>\$a</i> : Flexible Tier Pool number
	[No= <i>\$a</i> ]	
0211000C	Stop Balancing Flexible Tier Pool	Balancing of Flexible Tier Pool is stopped. <i>\$a</i> : Flexible Tier Pool number
	[No= <i>\$a</i> ]	
0211000D	Start Shrinking Flexible Tier Pool	The process of deleting the RAID group from the Flexible Tier Pool is started. <i>\$a</i> : RAID group number <i>\$b</i> : RAID group name
	[RAID_No= <i>\$a</i> RAID_Name= <i>\$b</i> ]	
0211000E	Stop Shrinking Flexible Tier Pool	The process of deleting the RAID group from the Flexible Tier Pool is stopped. <i>\$a</i> : RAID group number <i>\$b</i> : RAID group name
	[RAID_No= <i>\$a</i> RAID_Name= <i>\$b</i> ]	

2. Audit Log List  
 Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02120001	Start Storage Migration	Storage Migration is started. <i>\$a</i> : Path group number <i>\$b</i> : Type (Open) <i>\$c</i> : Vender ID <i>\$d</i> : Product ID <i>\$e</i> : Serial number <i>\$f</i> : Operation mode (M, M+QC, M+FC, QC, FC, M&IO) M: Migration M+QC: Migration + Quick Compare M+FC: Migration + Full Compare QC: Quick Compare FC: Full Compare M&IO: Migration & Host IO
	[No= <i>\$a</i> Type= <i>\$b</i> Vendor= <i>\$c</i> Product= <i>\$d</i> Serial= <i>\$e</i> Ope_Mode= <i>\$f</i> ]	
02120002	Suspend Storage Migration	Storage Migration is suspended. <i>\$a</i> : Path group number <i>\$b</i> : LUN (hexadecimal number (example: 0x0000, 0x8000000000000000))
	[No= <i>\$a</i> LUN= <i>\$b</i> ]	
02120003	Restart Storage Migration	Storage Migration is restarted. <i>\$a</i> : Path group number <i>\$b</i> : LUN (hexadecimal number (example: 0x0000, 0x8000000000000000))
	[No= <i>\$a</i> LUN= <i>\$b</i> ]	
02120004	Stop Storage Migration	Storage Migration is stopped. <i>\$a</i> : Path group number <i>\$b</i> : LUN (hexadecimal number (example: 0x0000, 0x8000000000000000))
	[No= <i>\$a</i> LUN= <i>\$b</i> ]	
02120005	Delete Storage Migration Path Group	The path group for Storage Migration is deleted. <i>\$a</i> : Path group number
	[No= <i>\$a</i> ]	
02120006	Export Storage Migration Result	The result of Storage Migration is exported.
	Detail information is not displayed.	

**Table 74 Audit Log Messages (Event Code: 0213xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02130001	Create NAS Share	A NAS shared folder is created. <i>\$a</i> : Shared folder name <i>\$b</i> : Creation destination TPV number <i>\$c</i> : Creation destination TPV name <i>\$d</i> : Service protocol (cifs, nfs, nfs-cifs) <i>\$e</i> : Access privilege (r, rw) <i>\$f</i> : Lock feature setting (enable, disable) <i>\$g</i> : Owner of the shared folder <i>\$h</i> : Group specification of the shared folder <i>\$i</i> : Status of the shared folder (active, inactive) <i>\$j</i> : Host to which NFS access is granted <i>\$k</i> : Host to which CIFS access is granted <i>\$l</i> : Host to which CIFS access is denied <i>\$m</i> : Encrypted data access (enable, disable) <i>\$n</i> : Access Based Enumeration (enable, disable) <i>\$o</i> : Audit log (enable, disable)
	[Name= <i>\$a</i> Volume_Number= <i>\$b</i> Volume_Name= <i>\$c</i> Service= <i>\$d</i> Access= <i>\$e</i> Oplocks= <i>\$f</i> Owner= <i>\$g</i> Group= <i>\$h</i> Share= <i>\$i</i> Nfs_Allow_Host= <i>\$j</i> Cifs_Allow_Host= <i>\$k</i> Cifs_Deny_Host= <i>\$l</i> Encryption_of_Data_Access= <i>\$m</i> Access_Based_Enumeration= <i>\$n</i> Audit_Log= <i>\$o</i> ]	
02130002	Set NAS Share	The NAS shared folder setting is changed. <i>\$a</i> : Shared folder number <i>\$b</i> : Shared folder name <i>\$c</i> : All of the shared folders (All) <i>\$d</i> : Access privilege (r, rw) <i>\$e</i> : Lock feature setting (enable, disable) <i>\$f</i> : Owner of the shared folder <i>\$g</i> : Group specification of the shared folder <i>\$h</i> : Status of the shared folder (active, inactive) <i>\$i</i> : Host to which NFS access is granted <i>\$j</i> : Host to which CIFS access is granted <i>\$k</i> : Host to which CIFS access is denied <i>\$l</i> : Encrypted data access (enable, disable) <i>\$m</i> : Access Based Enumeration (enable, disable) <i>\$n</i> : Audit log (enable, disable)
	[Share_Number= <i>\$a</i> Share_Name= <i>\$b</i> All=( <i>\$c</i> ) Access= <i>\$d</i> Oplocks= <i>\$e</i> Owner= <i>\$f</i> Group= <i>\$g</i> Share= <i>\$h</i> Nfs_Allow_Host= <i>\$i</i> Cifs_Allow_Host= <i>\$j</i> Cifs_Deny_Host= <i>\$k</i> Encryption_of_Data_Access= <i>\$l</i> Access_Based_Enumeration= <i>\$m</i> Audit_Log= <i>\$n</i> ]	
02130003	Delete NAS Share	A NAS shared folder is deleted. <i>\$a</i> : Shared folder number <i>\$b</i> : Shared folder name <i>\$c</i> : All of the shared folders (All) <i>\$d</i> : Forced shared folder deletion (Force)
	[Share_Number= <i>\$a</i> Share_Name= <i>\$b</i> All=( <i>\$c</i> ) Force=( <i>\$d</i> )]	
02130004	Create NAS Interface	A definition of the NAS network interface is created. <i>\$a</i> : NAS interface port number <i>\$b</i> : RIP information settings (enable, disable) <i>\$c</i> : VLAN ID <i>\$d</i> : IPv4 address <i>\$e</i> : IPv4 subnet mask <i>\$f</i> : IPv4 address for the gateway <i>\$g</i> : IPv6 Link Local Address <i>\$h</i> : IPv6 Connect Address <i>\$i</i> : Length of IPv6 Subnet Prefix <i>\$j</i> : IPv6 address for the gateway
	[Port= <i>\$a</i> Rip= <i>\$b</i> Vlan_Id= <i>\$c</i> Ip= <i>\$d</i> Netmask= <i>\$e</i> Gateway= <i>\$f</i> Link_Local_Ip= <i>\$g</i> Connect_Ip= <i>\$h</i> Subnet_Prefix_Length= <i>\$i</i> Ipv6_Gateway= <i>\$j</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02130005	Set NAS Interface	A definition of the NAS network interface definition is changed. <i>\$a</i> : NAS interface number <i>\$b</i> : NAS connection port number <i>\$c</i> : RIP information setting (enable, disable) <i>\$d</i> : VLAN ID <i>\$e</i> : IPv4 address <i>\$f</i> : IPv4 subnet mask <i>\$g</i> : IPv4 address for the gateway <i>\$h</i> : IPv6 Link Local Address <i>\$i</i> : IPv6 Connect Address <i>\$j</i> : Length of IPv6 Subnet Prefix <i>\$k</i> : IPv6 address for the gateway
	[Nas_If_Number= <i>\$a</i> Port= <i>\$b</i> Rip= <i>\$c</i> Vlan_Id= <i>\$d</i> Ip= <i>\$e</i> Netmask= <i>\$f</i> Gateway= <i>\$g</i> Link_Local_Ip= <i>\$h</i> Connect_Ip= <i>\$i</i> Subnet_Prefix_Length= <i>\$j</i> Ipv6_Gateway= <i>\$k</i> ]	
02130006	Delete NAS Interface	A definition of the NAS network interface is deleted. <i>\$a</i> : NAS interface number <i>\$b</i> : All NAS interfaces
	[Nas_If_Number= <i>\$a</i> All=( <i>\$b</i> )]	
02130007	Set NAS Multipath	A multipath configuration is created for a NAS connection port. <i>\$a</i> : NAS connection port number
	[Port= <i>\$a</i> ]	
02130008	Delete NAS Multipath	A multipath configuration for a NAS connection port is deleted. <i>\$a</i> : NAS connection port number
	[Port= <i>\$a</i> ]	
02130009	Set NAS Bonding	Bonding is set for a NAS connection port. <i>\$a</i> : Master NAS connection port number <i>\$b</i> : Member NAS connection port number <i>\$c</i> : Bonding mode (0, 1, 2, 4, 5, 6) <i>\$d</i> : Hash policy (L2, L23, L34)
	[Master_Port= <i>\$a</i> Member_Port= <i>\$b</i> Mode= <i>\$c</i> Hash_Policy= <i>\$d</i> ]	
0213000A	Delete NAS Bonding	Bonding is deleted for a NAS connection port. <i>\$a</i> : Master NAS connection port number <i>\$b</i> : Member NAS connection port number
	[Master_Port= <i>\$a</i> Member_Port= <i>\$b</i> ]	
0213000B	Execute NAS Operation by Software	NAS related operations are performed via Storage Foundation Software. <i>\$a</i> : All controllers <i>\$b</i> : Execution script file name <i>\$c</i> : Script option
	[All=( <i>\$a</i> ) Cmd= <i>\$b</i> Option= <i>\$c</i> ]	
0213000C	Set NAS AD	Active Directory authentication is set. <i>\$a</i> : IP address or server name of Active Directory authentication server 1 <i>\$b</i> : IP address or server name of Active Directory authentication server 2 <i>\$c</i> : IP address or server name of Active Directory authentication server 3 <i>\$d</i> : Domain name <i>\$e</i> : User ID
	[Server1= <i>\$a</i> Server2= <i>\$b</i> Server3= <i>\$c</i> Domain= <i>\$d</i> User= <i>\$e</i> ]	



2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
0213000D	Set NAS LDAP	LDAP authentication is set. <i>\$a</i> : IP address or server name of LDAP authentication server 1 <i>\$b</i> : IP address or server name of LDAP authentication server 2 <i>\$c</i> : IP address or server name of LDAP authentication server 3 <i>\$d</i> : Domain name <i>\$e</i> : User ID <i>\$f</i> : Bind DN <i>\$g</i> : TLS (Enable, Disable)
	[Server1= <i>\$a</i> Server2= <i>\$b</i> Server3= <i>\$c</i> Domain= <i>\$d</i> User= <i>\$e</i> Bind DN= <i>\$f</i> TLS= <i>\$g</i> ]	
0213000E	Set NAS Port	A parameter to control the NAS connection ports is set. <i>\$a</i> : NAS connection port <i>\$b</i> : MTU size <i>\$c</i> : Transfer rate (auto, 1g, 100mfull) <i>\$d</i> : CIFS application settings (open, close) <i>\$e</i> : NFS application settings (open, close) <i>\$f</i> : RIP application settings (open, close) <i>\$g</i> : ICMP application settings (open, close)
	[Port= <i>\$a</i> Mtu= <i>\$b</i> Rate= <i>\$c</i> Cifs= <i>\$d</i> Nfs= <i>\$e</i> Rip= <i>\$f</i> Icmp= <i>\$g</i> ]	
0213000F	Set NAS Route	An IPv4 static route is added to the definition of the NAS network interface. <i>\$a</i> : IPv4 address of the destination host <i>\$b</i> : IPv4 address of the gateway <i>\$c</i> : NAS interface number <i>\$d</i> : IPv4 address of the destination network <i>\$e</i> : Subnet mask
	[Host= <i>\$a</i> Gw= <i>\$b</i> Nas_If_Number= <i>\$c</i> Net= <i>\$d</i> Net-mask= <i>\$e</i> ]	
02130010	Delete NAS Route	The IPv4 static route is deleted from the definition of the NAS network interface. <i>\$a</i> : IPv4 address of the destination host <i>\$b</i> : IPv4 address of the gateway <i>\$c</i> : NAS interface number <i>\$d</i> : IPv4 address of the destination network <i>\$e</i> : Subnet mask <i>\$f</i> : All routes
	[Host= <i>\$a</i> Gw= <i>\$b</i> Nas_If_Number= <i>\$c</i> Net= <i>\$d</i> Net-mask= <i>\$e</i> All=( <i>\$f</i> )]	
02130011	Set NAS Route6	An IPv6 static route is added to the definition of the NAS network interface. <i>\$a</i> : IPv6 address of the destination route <i>\$b</i> : Length of IPv6 Subnet Prefix <i>\$c</i> : IPv6 address of the gateway <i>\$d</i> : NAS interface number
	[Ip= <i>\$a</i> Subnet_Prefix_Length= <i>\$b</i> Gw= <i>\$c</i> Nas_If_Number= <i>\$d</i> ]	
02130012	Delete NAS Route6	The IPv6 static route is deleted from the definition of the NAS network interface. <i>\$a</i> : IPv6 address of the destination route <i>\$b</i> : Length of IPv6 Subnet Prefix <i>\$c</i> : IPv6 address of the gateway <i>\$d</i> : NAS interface number <i>\$e</i> : All routes
	[Ip= <i>\$a</i> Subnet_Prefix_Length= <i>\$b</i> Gw= <i>\$c</i> Nas_If_Number= <i>\$d</i> All=( <i>\$e</i> )]	
02130013	Forced NAS FS Mount	The file system is mounted. <i>\$a</i> : CM number (0 - 1) <i>\$b</i> : Volume number <i>\$c</i> : Volume name
	[Cm= <i>\$a</i> Volume_Number= <i>\$b</i> Volume_Name= <i>\$c</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02130014	Forced NAS FS Unmount	The file system is unmounted. \$a: CM number (0 - 1) \$b: Volume number \$c: Volume name
	[Cm=\$a Volume_Number=\$b Volume_Name=\$c]	
02130015	Forced NAS FS Offline	The file system is forcibly stopped. \$a: CM number (0 - 1) \$b: Volume number \$c: Volume name
	[Cm=\$a Volume_Number=\$b Volume_Name=\$c]	
02130016	Forced NAS FS Online	The file system is forcibly started. \$a: CM number (0 - 1) \$b: Volume number \$c: Volume name
	[Cm=\$a Volume_Number=\$b Volume_Name=\$c]	
02130017	Forced NAS FS Lock	The writing process to the file system is stopped or resumed. \$a: Stop or resume (lock, unlock) \$b: Volume number \$c: Volume name
	[Mode=\$a Volume_Number=\$b Volume_Name=\$c]	
02130018	Set NAS DNS	DNS servers are set. \$a: IPv4 address for the primary DNS server \$b: IPv4 address for the secondary DNS server \$c: IPv6 Global/Unique Local address of the primary DNS server \$d: IPv6 Global/Unique Local address of the secondary DNS server
	[Primary_Ip=\$a Secondary_Ip=\$b Primary_Ipv6=\$c Secondary_Ipv6=\$d]	
02130019	Start NAS FSCK	The integrity of the file system is checked. \$a: Check mode (report, check, repair, force-repair) \$b: Volume number \$c: Volume name
	[Mode=\$a Volume_Number=\$b Volume_Name=\$c]	
0213001A	Recover NAS Engine	A process to recover the NAS Engine from the problem is performed. \$a: Recovery argument
	[Arg=\$a]	
0213001B	Set NAS Server	NAS servers are set. \$a: Server name \$b: Server security ID \$c: Service priority \$d: NFSv4 (enable, disable) \$e: NFSv4 grace period \$f: SMB version (1, 2, 3) \$g: FXP (enable, disable) \$h: Automatic meta cache distribution (enable, disable) \$i: CIFS ADS file display (yes, no) \$j: NFSv4 domain \$k: Fix NFS FSIDs (yes, no)
	[Server_Name=\$a Server_Sid=\$b Priority=\$c Nfsv4=\$d Nfsv4_Grace_Period=\$e Smb_Version=\$f Fxp=\$g Auto_Initialize_Cache_Distribution=\$h Show_Cifs_Ads_Files=\$i Nfsv4_Domain=\$j Fix_Nfs_Fsids=\$k]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
0213001C	Set NAS Snapshot	The NAS Snapshot is set. <i>\$a</i> : Volume number <i>\$b</i> : Volume name <i>\$c</i> : RAID group number <i>\$d</i> : RAID group name <i>\$e</i> : NAS Snapshot volume name <i>\$f</i> : NAS Snapshot generation <i>\$g</i> : NAS Snapshot schedule date <i>\$h</i> : NAS Snapshot schedule time <i>\$i</i> : NAS Snapshot acquisition mode
	[Volume_Number= <i>\$a</i> Volume_Name= <i>\$b</i> RAID_No= <i>\$c</i> RAID_Name= <i>\$d</i> Name= <i>\$e</i> Generation= <i>\$f</i> Day= <i>\$g</i> Time= <i>\$h</i> Mode= <i>\$i</i> ]	
0213001D	Delete NAS Snapshot	The NAS Snapshot is deleted. <i>\$a</i> : Volume number <i>\$b</i> : Volume name
	[Volume_Number= <i>\$a</i> Volume_Name= <i>\$b</i> ]	
0213001E	Start NAS Snapshot	Obtaining the NAS Snapshot is started. <i>\$a</i> : Volume number <i>\$b</i> : Volume name
	[Volume_Number= <i>\$a</i> Volume_Name= <i>\$b</i> ]	
0213001F	Stop NAS Snapshot	Obtaining the NAS Snapshot is stopped. <i>\$a</i> : Volume number <i>\$b</i> : Volume name
	[Volume_Number= <i>\$a</i> Volume_Name= <i>\$b</i> ]	
02130020	Create NAS Quota	The NAS Quota settings have been created. <i>\$a</i> : Volume number <i>\$b</i> : Volume name <i>\$c</i> : User name <i>\$d</i> : Group name <i>\$e</i> : Shared folder name <i>\$f</i> : Disk limit capacity <i>\$g</i> : Disk warning capacity <i>\$h</i> : Upper limit number of files and directories that can be created <i>\$i</i> : Warning threshold for the number of files and directories that can be created
	[Volume_Number= <i>\$a</i> Volume_Name= <i>\$b</i> User= <i>\$c</i> Group= <i>\$d</i> Share= <i>\$e</i> Disk_Limit= <i>\$f</i> Disk_Warning= <i>\$g</i> File_Limit= <i>\$h</i> File_Warning= <i>\$i</i> ]	
02130021	Set NAS Quota	The NAS Quota settings have been changed. <i>\$a</i> : Quota setting number <i>\$b</i> : Volume number <i>\$c</i> : User name <i>\$d</i> : Group name <i>\$e</i> : Shared folder name <i>\$f</i> : Disk limit capacity <i>\$g</i> : Disk warning capacity <i>\$h</i> : Upper limit number of files and directories that can be created <i>\$i</i> : Warning threshold for the number of files and directories that can be created
	[Quota_Number= <i>\$a</i> Volume_Number= <i>\$b</i> User= <i>\$c</i> Group= <i>\$d</i> Share= <i>\$e</i> Disk_Limit= <i>\$f</i> Disk_Warning= <i>\$g</i> File_Limit= <i>\$h</i> File_Warning= <i>\$i</i> ]	
02130022	Delete NAS Quota	The NAS Quota settings have been deleted. <i>\$a</i> : Quota setting number <i>\$b</i> : All quota setting <i>\$c</i> : Volume name <i>\$d</i> : User name <i>\$e</i> : Group name <i>\$f</i> : Shared folder name
	[Quota_Number= <i>\$a</i> All=( <i>\$b</i> ) Volume_Number= <i>\$c</i> User= <i>\$d</i> Group= <i>\$e</i> Share= <i>\$f</i> ]	
02130023	Reconfigure NAS Volume	The file system for the NAS volume has changed. <i>\$a</i> : Volume number
	[No= <i>\$a</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02130024	Set Unified License	Unified license has been registered.
	Detail information is not displayed.	
02130027	Set NAS Log info	The NAS log information has been set. \$a: Module (samba, ctdb) \$b: Log level \$c: Log length
	[Module=\$a Level=\$b Size=\$c]	
02130029	Clear NAS Data	The NAS data has been deleted. \$a: Shared folder number \$b: Shared folder name
	[Share_Number=\$a Share_Name=\$b]	
0213002A	Set NAS Audit	The NAS audit log has been set. \$a: Audit log mode \$b: Number of generations that are to be stored
	[Mode=\$a Rotate_Count=\$b]	
0213002B	Clear NAS Audit Log	The NAS audit log has been deleted. \$a: Shared folder number \$b: Shared folder name \$c: All shared folders
	[Share_Number=\$a Share_Name=\$b All=(\$c)]	
0213002C	Create NAS Engine User	A NAS engine user has been created. \$a: User type (audit, dump) \$b: User name \$c: Expiration date
	[Type=\$a Name=\$b Expiry=\$c]	
0213002D	Delete NAS Engine User	The NAS engine user has been deleted. \$a: User type (audit, dump)
	[Type=\$a]	
0213002E	Start NAS Packet Capture	The NAS Packet Capture has been started. \$a: NAS interface number \$b: File size [MB] \$c: File number \$d: Maximum packet length [Byte] \$e: Character string
	[Nas_If_Number=\$a File_Size=\$b File_Count=\$c Packet_Length=\$d String=\$e]	
0213002F	Stop NAS Packet Capture	The NAS Packet Capture has been stopped.
	Detail information is not displayed.	
02130030	Clear NAS Packet Capture	The NAS Packet Capture has been deleted.
	Detail information is not displayed.	
02130031	Set NAS FTP	The FTP publication has been set. \$a: Shared folder number \$b: Shared folder name
	[Share_Number=\$a Share_Name=\$b]	
02130032	Delete NAS FTP	The FTP publication setting has been deleted. \$a: Shared folder number \$b: Shared folder name
	[Share_Number=\$a Share_Name=\$b]	
02130033	Initialize NAS ACL	The NAS ACL setting has been initialized. \$a: Shared folder number \$b: Shared folder name \$c: Owner \$d: UID \$e: Group name \$f: GID \$g: Path of the target folder or file \$h: Path of the target folder or file (Base64 format) \$i: All folders and files under the path-specified folder
	[Share_Number=\$a Share_Name=\$b Owner=\$c Uid=\$d Group=\$e GID=\$f Path=\$g Base64_Path=\$h Recursive=(\$i)]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02130034	Start NAS File Inflate	The file inflation has been started. \$a: Shared folder number \$b: Shared folder name \$c: Path of the target folder or file \$d: Path of the target folder or file (Base64 format) \$e: Overwrite
	[Share_Number=\$a Share_Name=\$b Path=\$c Base64_Path=\$d Overwrite=(\$e)]	
02130035	Stop NAS File Inflate	The file inflation has been stopped. \$a: Confirmation of the stoppage (Yes, No)
	[Execution=\$a]	
02130036	Initialize NAS Cache Distribution	The meta cache distribution has been executed. \$a: Volume number \$b: Volume name \$c: All NAS volumes
	[Volume_Number=\$a Volume_Name=\$b All=(\$c)]	
02130037	Create NAS Local User	The local user has been created. \$a: User name \$b: User ID \$c: Primary group name \$d: Primary group ID \$e: Secondary group name \$f: Secondary group ID
	[Name=\$a Uid=\$b Primary_Group=\$c Primary_Gid=\$d Secondary_Group=\$e Secondary_Gid=\$f]	
02130038	Set NAS Local User	The local user setting has been changed. \$a: User name \$b: User ID \$c: Primary group name \$d: Primary group ID \$e: Secondary group name \$f: Secondary group ID \$g: Password change flag
	[User=\$a Uid=\$b Primary_Group=\$c Primary_Gid=\$d Secondary_Group=\$e Secondary_Gid=\$f Set_Password=(\$g)]	
02130039	Delete NAS Local User	The local user has been deleted. \$a: User name \$b: User ID
	[User=\$a Uid=\$b]	
0213003A	Create NAS Local Group	The local group has been created. \$a: Group name \$b: Group ID
	[Name=\$a Gid=\$b]	
0213003B	Delete NAS Local Group	The local group has been deleted. \$a: Group name \$b: Group ID
	[Group=\$a Gid=\$b]	
0213003C	Delete NAS User Home Directory	The home directory has been deleted. \$a: User name \$b: User name (Base64 format)
	[User=\$a Base64-User=\$b]	

**Table 75 Audit Log Messages (Event Code: 0214xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02140001	Set Storage Cluster License	The Storage Cluster license has been set. \$a: Storage Cluster license key \$b: Maximum TFO capacity (default, 1pb, 2pb, 3pb, 4pb, 8pb, 16pb)
	[Key=\$a Max_Tfo_Capacity=\$b]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02140001	Set Storage Cluster License	The Storage Cluster license has been set.
	Detail information is not displayed.	
02140002	Delete Storage Cluster License	The Storage Cluster license has been deleted. \$a: License registration status (Yes, No)
	[Execution=\$a]	
02140003	Create TFO Group	The TFO group has been created. \$a: TFO group name \$b: TFO group type (Primary, Secondary) \$c: Pair Box ID \$d: TFO group number \$e: Failback mode (Auto, Manual) \$f: Failover mode (Auto, Manual) \$g: Privilege to access the TFO volume (Rw, R) \$h: Monitor interval (Normal, Long) \$i: Own port number \$j: Pair port number
	[Name=\$a Type=\$b Pair_Box_Id=\$c Tfog_Number=\$d Failback=\$e Failover=\$f Split_Mode=\$g Monitor_Interval=\$h Own_Port=\$i Pair_Port=\$j]	
02140004	Set TFO Group	The TFO group has been set. \$a: TFO group number \$b: TFO group name \$c: Failback mode (Auto, Manual) \$d: Failover mode (Auto, Manual) \$e: Split mode (Rw, R) \$f: Monitor interval (Normal, Long) \$g: Own port number \$h: Pair port number
	[Tfog_Number=\$a Name=\$b Failback=\$c Failover=\$d Split_Mode=\$e Monitor_Interval=\$f Own_Port=\$g Pair_Port=\$h]	
02140005	Delete TFO Group	The TFO group has been deleted. \$a: TFO group number \$b: Own port number \$c: Port WWN Mode (Keep, Original)
	[Tfog_Number=\$a Own_Port=\$b Port_Wwn_Mode=\$c]	
02140006	Set TFO Pair	The TFO pair has been set. \$a: Port number \$b: Host number \$c: Host name
	[Port=\$a Host_Number=\$b Host_Name=\$c]	
02140007	Release TFO Pair	The TFO group has been released. \$a: Port number \$b: Host number \$c: Host name \$d: Volume number \$e: Volume name \$f: Volume UID mode (Keep, Original)
	[Port=\$a Host_Number=\$b Host_Name=\$c Volume_Number=\$d Volume_Name=\$e Volume_Uid_Mode=\$f]	
02140008	Recover TFO Pair	The TFO group has been recovered. \$a: Port number \$b: Host number \$c: Host name \$d: Volume number \$e: Volume name \$f: Recovery target TFO group (Primary, Secondary)
	[Port=\$a Host_Number=\$b Host_Name=\$c Volume_Number=\$d Volume_Name=\$e Recovery_Target=\$f]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02140009	Forced TFO Group Activate	The TFO group has been activated. <i>\$a</i> : TFO group number <i>\$b</i> : Activate mode (Manual_Failover, Manual_Failback) <i>\$c</i> : Forced activate mode (Primary_Active, Secondary_Active) <i>\$d</i> : Execute a manual failover/failback even if the phase of the TFO Group is "Maintenance" (Yes, No)
	[Tfog_Number= <i>\$a</i> Active_Mode= <i>\$b</i> Forced_Mode= <i>\$c</i> Ignore_Maintenance= <i>\$d</i> ]	

**Table 76 Audit Log Messages (Event Code: 0215xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02150001	Set WVOL Mode	The WVOL mode has been set.
	Detail information is not displayed.	
02150002	Create WVOL	The WVOL has been created. <i>\$a</i> : FTRP GUID <i>\$b</i> : Capacity [MB] <i>\$c</i> : Host GUID <i>\$d</i> : Copy protection (Enable, Disable) <i>\$e</i> : Attention threshold [%] (1 - 200) <i>\$f</i> : Extreme Cache (Enable, Disable) <i>\$g</i> : Priority (FTSP number, Auto) <i>\$h</i> : Allocation (Thin, Thick) <i>\$i</i> : Bandwidth limit (0 - 15)
	[Ftrp_Guid= <i>\$a</i> Size= <i>\$b</i> Host_Guid= <i>\$c</i> Copy_Protection= <i>\$d</i> Attention= <i>\$e</i> Exc= <i>\$f</i> Priority= <i>\$g</i> Provisioning_Type= <i>\$h</i> Bandwidth_Limit= <i>\$i</i> ]	
02150003	Delete WVOL	The WVOL has been deleted. <i>\$a</i> : WVOL GUID <i>\$b</i> : Host GUID <i>\$c</i> : Automatic deletion due to the WVOL task
	[Vvol_Guid= <i>\$a</i> Host_Guid= <i>\$b</i> Auto_Deletion=( <i>\$c</i> )]	
02150004	Bind WVOL	The WVOL has been bound. <i>\$a</i> : WVOL GUID <i>\$b</i> : Host GUID <i>\$c</i> : Bind context (normal, rebind)
	[Vvol_Guid= <i>\$a</i> Host_Guid= <i>\$b</i> Bind_Context= <i>\$c</i> ]	
02150005	Unbind WVOL	The WVOL has been unbound. <i>\$a</i> : WVOL GUID <i>\$b</i> : Host GUID <i>\$c</i> : Bind context (normal, rebind-start, rebind-end) <i>\$d</i> : Protocol endpoint GUID <i>\$e</i> : WVOL secondary ID <i>\$f</i> : Protocol endpoint type (0, 1, 2)
	[Vvol_Guid= <i>\$a</i> Host_Guid= <i>\$b</i> Bind_Context= <i>\$c</i> Pe_Guid= <i>\$d</i> Vvol_Secondary_Id= <i>\$e</i> Pe_Type= <i>\$f</i> ]	
02150006	Set WVOL PE	Protocol endpoint has been set. <i>\$a</i> : Host GUID <i>\$b</i> : Protocol endpoint GUID
	[Host_Guid= <i>\$a</i> Pe_Guid= <i>\$b</i> ]	
02150007	Delete WVOL Task	The WVOL task has been canceled. <i>\$a</i> : Task GUID
	[Task_Guid= <i>\$a</i> ]	
02150008	Expand WVOL	The WVOL capacity has been expanded. <i>\$a</i> : WVOL GUID <i>\$b</i> : Capacity [MB] <i>\$c</i> : Host GUID
	[Vvol_Guid= <i>\$a</i> Size= <i>\$b</i> Host_Guid= <i>\$c</i> ]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02150009	Unbind WVOL By Host	All the WVOLs bound to the host have become unbound. \$a: Host GUID
	[Host_Guid=\$a]	
0215000A	Unbind WVOL Every Host	The WVOL has become unbound from all the hosts. \$a: WVOL GUID \$b: Volume number \$c: Volume name
	[Vvol_Guid=\$a Volume_Number=\$b Volume_Name=\$c]	
0215000B	Create WVOL Clone	A WVOL clone has been created. \$a: WVOL GUID \$b: FTRP GUID \$c: Capacity [MB] \$d: Host GUID \$e: Copy protection (Enable, Disable) \$f: Attention threshold [%] (1 - 200) \$g: Extreme Cache (Enable, Disable) \$h: Priority (FTSP number, Auto) \$i: Allocation (Thin, Thick) \$j: Bandwidth limit (0 - 15)
	[Vvol_Guid=\$a Ftrp_Guid=\$b Size=\$c Host_Guid=\$d Copy_Protection=\$e Attention=\$f Exc=\$g Priority=\$h Provisioning_Type=\$i Bandwidth_Limit=\$j]	
0215000C	Create WVOL Fastclone	A WVOL fast clone has been created. \$a: WVOL GUID \$b: FTRP GUID \$c: Capacity [MB] \$d: Host GUID \$e: Copy protection (Enable, Disable) \$f: Attention threshold [%] (1 - 200) \$g: Extreme Cache (Enable, Disable) \$h: Priority (FTSP number, Auto) \$i: Allocation (Thin, Thick) \$j: Bandwidth limit (0 - 15)
	[Vvol_Guid=\$a Ftrp_Guid=\$b Size=\$c Host_Guid=\$d Copy_Protection=\$e Attention=\$f Exc=\$g Priority=\$h Provisioning_Type=\$i Bandwidth_Limit=\$j]	
0215000D	Create WVOL Snapshot	A WVOL Snapshot has been created. \$a: WVOL GUID \$b: FTRP GUID \$c: Capacity [MB] \$d: Host GUID \$e: Copy protection (Enable, Disable) \$f: Attention threshold [%] (1 - 200) \$g: Extreme Cache (Enable, Disable) \$h: Priority (FTSP number, Auto) \$i: Allocation (Thin, Thick) \$j: Bandwidth limit (0 - 15) \$k: Snapshot access privilege (r, rw)
	[Vvol_Guid=\$a Ftrp_Guid=\$b Size=\$c Host_Guid=\$d Copy_Protection=\$e Attention=\$f Exc=\$g Priority=\$h Provisioning_Type=\$i Bandwidth_Limit=\$j Snap_Type=\$k]	
0215000E	Start WVOL Snapshot	A WVOL Snapshot has been started. \$a: WVOL GUID \$b: Timeout period [sec] \$c: Volume number \$d: Volume name
	[Vvol_Guid=\$a Timeout=\$b Backup_Volume_Number=\$c Backup_Volume_Name=\$d]	
0215000F	Start WVOL Revert	The data has been reverted to a Snapshot source WVOL. \$a: WVOL GUID \$b: Snapshot WVOL GUID \$c: Host GUID
	[Vvol_Guid=\$a Snapshot_Vvol_Guid=\$b Host_Guid=\$c]	



2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02150020	Start VVOL CopyDiff	The VVOL difference has been copied. \$a: Copy source VVOL GUID \$b: Base VVOL GUID \$c: Copy destination VVOL GUID \$d: Host GUID
	[Source_Vvol_Guid=\$a Base_Vvol_Guid=\$b Destination_Vvol_Guid=\$c Host_Guid=\$d]	
02150021	Stop VVOL Copy Session	The VVOL Snapshot acquisition has been stopped. \$a: Session ID \$b: Forcibly stopped VVOL (Force)
	[Vvol_Session_Id=\$a Force=(\$b)]	
02150022	Set VVOL New Profile	The VVOL settings have been changed. \$a: VVOL GUID \$b: Host GUID \$c: EXC (Enable, Disable)
	[Vvol_Guid=\$a Host_Guid=\$b Exc=\$c]	

**Table 77 Audit Log Messages (Event Code: 0216xxxx through 0301xxxx)**

Event code	Upper: Message	Description
	Lower: Detailed information	
02160001	Set Dedup Mode	The Deduplication/Compression function has been enabled or disabled. \$a: Deduplication/Compression mode setting (Enable, Disable)
	[Mode=\$a]	
02160002	Start Dedup Check	A DEDUP_SYS Volume check or a DEDUP_MAP Volume check has been started. \$a: Volume number \$b: Check mode (pinned-data, bad-data)
	[No=\$a Mode=\$b]	
02170001	Set RFCF License	The RFCF license has been set.
	Detail information is not displayed.	
02170002	Set RFCF Priority	The RFCF priority has been set. \$a: RFCF priority number (0x00 - 0x1F) \$b: Bandwidth limit (1 - 65535 Mbit/s) \$c: Delay time (1 - 255 msec.)
	[Priority_No=\$a Bandwidth=\$b Delay_Time=\$c]	
02170003	Set RFCF-RA WWN	The WWN of the RFCF-RA port has been set. \$a: WWN
	[WWN=\$a]	
02170004	Set RFCF-RA Path	The RFCF-RA path information has been set. \$a: Own port number (example: 001) \$b: LCU number \$c: WWN of the remote device port \$d: RFCF priority number (0x00 - 0x1F)
	[Local_Port=\$a LCU_No=\$b Remote_Port_WWN=\$c Priority_No=\$d]	
02180001	Create External Drive	An External Drive has been created. \$a: Serial No. (example: 1106A60005000000) \$b: Inherit External LU Information (Yes, No) \$c: LUN (For the PRHL/FLAT structure, decimal number (example: 0,1,2)) (For non-PRHL/FLAT structures, hexadecimal number (example: 0x0000, 0x8000000000000000))
	[Serial=\$a Inherit_External_LU_Info=\$b LUN=\$c]	

2. Audit Log List  
Audit Log Message List

Event code	Upper: Message	Description
	Lower: Detailed information	
02180002	Delete External Drive	An External Drive has been deleted. \$a: External Drive (DE-ID + Slot number (example: 0000, 0001, 0002))
	[No= \$a]	
02180003	Create External RAID Group	The External RAID Group has been created. \$a: External RAID Group number \$b: External RAID Group name \$c: External Drive (DE-ID + Slot number (example: 0000, 0001, 0002))
	[No= \$a Name= \$b Drive= \$c]	
02180004	Delete External RAID Group	The External RAID Group has been deleted. \$a: External RAID Group number
	[No= \$a]	
02180005	Recover External RAID Group	The External RAID Group has been forcibly recovered. \$a: External RAID Group number \$b: Mode (Force)
	[No= \$a Mode= \$b]	
02180006	Set Non-disruptive Storage Migration	The Non-disruptive Storage Migration license key has been registered. \$a: Non-disruptive Storage Migration License Key (Yes, No)
	[Key= \$a]	
03010001	Force Unlock	The exclusive resources are forcibly released.
	Detail information is not displayed.	

# A. Event (SNMP Trap) Display When Using ServerView Operations Manager

This appendix describes the display contents of events (SNMP Traps) that are notified to the SNMP manager (monitoring server) when using the server management software "ServerView Operations Manager" for monitoring the ETERNUS AF/DX.

## IMPORTANT

- This appendix describes the display contents of events (SNMP Traps) when using the MIB definition file for ServerView monitoring that is downloaded from the ETERNUS AF/DX.
- For detailed information about ServerView Operations Manager, refer to the ServerView Operations Manager manuals.

**Table 78** SNMP Traps for ServerView Monitoring

Display contents of the ServerView Operations Manager			SNMP Trap type	
Alarm type (--#TYPE)	Severity (--#SEVERITY)	Details (--#SUMMARY)	specific Trap No.	Meaning
		variable-bindings (*1) for %s, %x		
Item fault	CRITICAL	Item fault event from %s, id: %x, message: %s	2	A component has failed or degraded
		%s: fjdarySspMachineld %x: fjdaryTrapItemld %s: fjdaryTrapMessage		
Battery expiration	CRITICAL	Battery expiration event from %s, id: %x, message: %s	3	A battery has expired
		%s: fjdarySspMachineld %x: fjdaryTrapItemld %s: fjdaryTrapMessage		
Item warning	MAJOR	Item warning event from %s, id: %x[%x], message: %s	5	A component requiring preventive maintenance has been detected
		%s: fjdarySspMachineld %x: fjdaryTrapItemld %x: fjdaryTrapWarningInfo %s: fjdaryTrapMessage		
Sensor status changed	CRITICAL	Sensor status changed event from %s, id: %x[%x], message: %s	6	Temperature error has been detected
		%s: fjdarySspMachineld %x: fjdaryTrapItemld %x: fjdaryTrapSensorInfo %s: fjdaryTrapMessage		
Maintenance required	CRITICAL	Maintenance required event from %s, id: %x, message: %s	7	An event requiring maintenance or preventive maintenance has been detected
		%s: fjdarySspMachineld %x: fjdaryTrapMaintenanceInfo %s: fjdaryTrapMessage		
Information event (*2)	INFORMATIONAL	Information event from %s, message: %s	9	An informational-level event has been detected
		%s: fjdarySspMachineld %s: fjdaryTrapMessage		

A. Event (SNMP Trap) Display When Using ServerView Operations Manager

Display contents of the ServerView Operations Manager			SNMP Trap type	
Alarm type (--#TYPE)	Severity (--#SEVERITY)	Details (--#SUMMARY)	specific Trap No.	Meaning
		variable-bindings (*1) for %s, %x		
Information event (*2)	INFORMATIONAL	CA port link status changed event from %s, id: %x[%x], message: %s	10	A change in the CA port link status has been detected
		%s: fjdarySspMachinelId %x: fjdaryTrapItemId %x: fjdaryTrapLinkStatusInfo %s: fjdaryTrapMessage		
Storage Cluster error event	CRITICAL	Storage Cluster error event from %s, id: %x, message: %s	11	An error event related to the Storage Cluster function has been detected
		%s: fjdarySspMachinelId %x: fjdaryTrapMaintenancelInfo %s: fjdaryTrapMessage		
Storage Cluster information event	INFORMATIONAL	Storage Cluster information event from %s, message: %s	12	Notification of an informational-level event related to the Storage Cluster function
		%s: fjdarySspMachinelId %s: fjdaryTrapMessage		
Deduplication/ Compression information event	INFORMATIONAL	Deduplication/Compression information event from %s, message: %s	13	Notification of an informational-level event related to the Deduplication/ Compression function
		%s: fjdarySspMachinelId %s: fjdaryTrapMessage		
Flexible Tier error event	CRITICAL	Flexible Tier error event from %s, id: %x, message: %s	14	An error event related to the Flexible Tier function
		%s: fjdarySspMachinelId %x: fjdaryTrapMaintenancelInfo %s: fjdaryTrapMessage		
Flexible Tier information event	INFORMATIONAL	Flexible Tier information event from %s, message: %s	15	Notification of an informational-level event related to the Flexible Tier function
		%s: fjdarySspMachinelId %s: fjdaryTrapMessage		
Item fault to normal (*2)	INFORMATIONAL	Item fault to normal, from %s, id: %x, message: %s	22	An event notified by "Item fault" returns to normal status
		%s: fjdarySspMachinelId %x: fjdaryTrapItemId %s: fjdaryTrapMessage		
Item warning to normal (*2)	INFORMATIONAL	Item warning to normal, from %s, id: %x[%x], message: %s	25	An event notified by "Item warning" returns to normal status
		%s: fjdarySspMachinelId %x: fjdaryTrapItemId %x: fjdaryTrapWarningInfo %s: fjdaryTrapMessage		
Sensor status change to normal (*2)	INFORMATIONAL	Sensor status changed to normal, from %s, id: %x[%x], message: %s	26	An event notified by "Sensor status changed" returns to normal status
		%s: fjdarySspMachinelId %x: fjdaryTrapItemId %x: fjdaryTrapSensorInfo %s: fjdaryTrapMessage		

A. Event (SNMP Trap) Display When Using ServerView Operations Manager

Display contents of the ServerView Operations Manager			SNMP Trap type	
Alarm type (--#TYPE)	Severity (--#SEVERITY)	Details (--#SUMMARY)	specific Trap No.	Meaning
		variable-bindings (*1) for %s, %x		
Error event	CRITICAL	Error event from %s, message: %s	50	An error event has been detected
		%s: fjdarySspMachineld %s: fjdaryTrapMessage		
Warning event	MAJOR	Warning event from %s, message: %s	51	A warning event has been detected
		%s: fjdarySspMachineld %s: fjdaryTrapMessage		
Quota limit exceeded event	MAJOR	Quota limit exceeded event from %s, message: %s	60	A warning event related to the Quota function has been detected (limit exceeded)
		%s: fjdarySspMachineld %s: fjdaryTrapMessage		
Quota limit warning event	MAJOR	Quota limit warning event from %s, message: %s	61	A warning event related to the Quota function has been detected (warning threshold exceeded)
		%s: fjdarySspMachineld %s: fjdaryTrapMessage		
Quota normal event	INFORMATIONAL	Quota normal event from %s, message: %s	62	An informational-level event related to the Quota function has been detected (recovered from exceeding the warning threshold)
		%s: fjdarySspMachineld %s: fjdaryTrapMessage		
Snapshot information event	INFORMATIONAL	Snapshot information event from %s, message: %s	63	An informational-level event related to the Snapshot function has been detected
		%s: fjdarySspMachineld %s: fjdaryTrapMessage		

\*1: For variable-bindings values, refer to "[Meaning of the variable-bindings](#)" (page 20) in "[SNMP](#)" (page 13).

\*2: The default setting is "Disable" (no notification).

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FUJITSU Storage ETERNUS AF series, ETERNUS DX200F All-Flash Arrays,  
ETERNUS DX S5/S4/S3 series Hybrid Storage Systems

Message List

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