

application notes

hp OpenView storage management appliance software

event code definitions

Product Version: 2.0

First Edition (December 2002)

Part Number: AA-RTDKA-TE

This document describes the event codes used in notification messages generated by the HP OpenView Storage Management Appliance software V2.0.

Additional information and other HP OpenView documentation are available at:
<http://h18000.www1.hp.com/products/sanworks/managementappliance>.



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Storage Management Appliance Software
Event Code Definitions Application Notes
First Edition (December 2002)
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Application Notes Contents

These Application Notes provide listings of the various event codes displayed by the HP OpenView Storage Management Appliance. The event codes are defined and discussed in the following sections:

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Intended Audience

This document is intended for customers who purchase the Storage Management Appliance software V2.0. It has been developed for use by storage and system administrators who are experienced with:

- Managing storage area networks (SANs).
- Running a Storage Management Appliance.

Related Storage Management Appliance Software V2.0 Documentation

The following list includes documentation related to the Storage Management Appliance software V2.0:

- [HP OpenView Storage Management Appliance Software V2.0 Update Installation Card](#)
- [HP OpenView Storage Management Appliance Software V2.0 User Guide](#)
- [HP OpenView Storage Management Appliance Software V2.0 Release Notes](#)
- [HP OpenView Storage Management Appliance Software V2.0 Installing Antivirus and Backup Software Application Notes](#)
- [HP OpenView Storage Management Appliance Software V2.0 Online Help](#)
- [HP OpenView Automation Manager Script Development Guide](#)
- [HP StorageWorks HSG Element Manager User Guide](#)
- [HP StorageWorks HSV Element Manager User Guide](#)
- [HP StorageWorks SAN Design Reference Guide](#)

Additional documentation, including white papers and best practices documents, is available from the HP website at:

<http://h18000.www1.hp.com/products/sanworks/managementappliance/documentation>.

Introduction

The Storage Management Appliance can generate notification messages to any number of users in response to events. A notification message, including the source of the event, date, time, event code, and event description, can be sent to a standard e-mail address or to an e-mail pager address. This document provides a complete list of the events logged by the Storage Management Appliance.

The lists of events are presented in tables with one table for each application or vendor.

Each table contains the following columns:

- **Event ID**—Numeric code used to identify the event specific to the event’s source.
- **Event Code**—Hexadecimal code used to identify an event type in notification messages and in the Storage Management Appliance Event Log or Audit Log.
- **Severity**—Single digit code indicating the event severity or potential impact on Storage Management Appliance operations (see [Table 1](#) for more information).
- **Description**—Text describing the event. Event details are provided by the source of the event. In this document, event details are expressed as %1, %2, etc.

[Table 1](#) describes the severity codes used for event codes.

Table 1: Severity Codes

Event Severity Code	Name	Description
0	Unknown	Severity cannot be determined.
1	Other	Can be one of several possible severity conditions. Refer to the event code description for details.
2	Information	Event is generally part of normal operation.
3	Warning	Further action is optional
4	Minor	Further action is required but the situation is not considered serious.
5	Major	Action should be taken immediately.
6	Critical	Action required to avoid a significant impact on operations.
7	Fatal	An error occurred and no action can be taken to avoid or mitigate the immediate impact.

Storage Management Appliance Event Codes

The Storage Management Appliance's core services—discovery, event notification, and automation—generate the events listed below. The system records these events in the Storage Management Appliance Event Log.

Table 2: Storage Management Appliance Event Codes

Event ID	Event Code	Severity	Description
202	880A00CA	2	Discovery %1 started.
203	880A00CB	2	Discovery %1 completed.
204	880A00CC	2	New device found: %1.
205	880A00CD	2	Device %1 unreachable for %2 day(s).
206	880A00CE	2	Device %1 unreachable for %2 week(s).
408	880A0198	3	Notification for user %1 has been disabled. This user was the sole recipient of event notifications from %2.
700	880A02BC	2	Received a SNMP Trap from %1. The enterprise OID is %2, GenericTrap is %3, SpecificTrap is %4.
701	880A02BD	3	The Management Appliance event log is 80% full.
702	880A02BE	6	The Management Appliance event log is full.
703	880A02BF	3	The Management Appliance audit log is 80% full.
704	880A02C0	6	The Management Appliance audit log is full.
800	880A0320	7	Automation Manager experienced the following abnormal operation: %1
801	880A0321	7	Automation Manager experienced the following database failure: %1
802	880A0322	2	Event process %1 ran in policy %2 on Management Appliance %3 completed with state %4. Process started on %5 and ended on %6 with %7 return code. Policy finished with status: %8
803	880A0323	2	Event process %1 ran in policy %2 triggered on an event %3 logged by %4.
804	880A0324	3	Event process %1 ran in policy %2 on Management Appliance %3 completed with state %4. Process started on %5 and ended on %6 with %7 return code. Policy finished with status: %8
805	880A0325	2	Action process %1 ran in policy %2 on Management Appliance %3 completed with state %4. Process started on %5 and ended on %6 with %7 return code. Policy finished with status: %8
806	880A0326	3	Action process %1 ran in policy %2 on Management Appliance %3 completed with state %4. Process started on %5 and ended on %6 with %7 return code. Policy finished with status: %8
807	880A0327	2	%1 policy has been submitted successfully.
808	880A0328	2	Event process %1 in policy %2 was satisfied when the %3 value of enterprise OID %4 was received in a SNMP Trap.
1014	880A03F6	2	%1 service started.
1015	880A03F7	2	%1 service stopped.
1016	880A03F8	2	%1 service: Handler not installed.
1017	880A03F9	2	%1 service: Bad service request.

Storage Management Appliance Audit Codes

The Storage Management Appliance generates audits in response to most user-initiated operations. Activities such as creating or running a discovery generate audits that are recorded in the Storage Management Appliance Audit Log.

Table 3: Storage Management Appliance Audit Codes

Event ID	Event Code	Severity	Description
100	8COA0064	2	Installation of %1 on appliance %2.
101	8COA0065	2	Removal of %1 from appliance %2.
150	8COA0096	2	Deletion of %1 device.
151	8COA0097	2	Launch of %1 URL.
152	8COA0098	2	Modification of %1 device.
207	8COA00CF	2	Creation of discovery named %1.
208	8COA00D0	2	Deletion of discovery named %1.
209	8COA00D1	2	Modification of discovery named %1.
210	8COA00D2	2	Enabling of schedule for discovery named %1.
211	8COA00D3	2	Disabling of schedule for discovery named %1.
212	8COA00D4	2	Discovery named %1 requested to start.
213	8COA00D5	2	Discovery named %1 requested to stop.
300	8COA012C	2	Creation of remote access entry for Host: %1, Application: %2, Domain Name: %3, Username: %4.
301	8COA012D	2	Modification of remote access entry for Host: %1, Application: %2, Domain Name: %3, Username: %4.
302	8COA012E	2	Deletion of remote access entry for Host: %1, Application: %2, Domain Name: %3, Username: %4.
303	8COA012F	2	Modification of %1 license.
304	8COA0130	2	Creation of %1 license.
305	8COA0131	2	Deletion of %1 license.
306	8COA0132	2	Modification of %1 license.
307	8COA0133	2	Download of %1 license.
308	8COA0134	2	Clearing of %1 license.
309	8COA0135	2	Download of event log.
310	8COA0136	2	Clearing of event log.
311	8COA0137	2	Modification of event log properties.
312	8COA0138	2	Acknowledgement of events in the event log.
400	8COA0190	2	Deletion of user %1.
401	8COA0191	2	Importing of user %1.
402	8COA0192	2	Creation of user %1.
403	8COA0193	2	Changing password for user %1.
404	8COA0194	2	Modification of user %1 properties.
405	8COA0195	2	Modification of user %1 notification properties for the following devices: %2.
406	8COA0196	2	Transfer of user %1 notification settings to user %2.

Table 3: Storage Management Appliance Audit Codes (Continued)

Event ID	Event Code	Severity	Description
407	8COA0197	2	Deletion of notification settings from user %1 and transferred to user %2.
500	8COA01F4	2	Starting backup to network share %1.
501	8COA01F5	2	Completion of backup operation that was started to network share %1. See %2 file on Management Appliance %3 for details.
502	8COA01F6	2	Cancellation of backup operation that was started to network share %1. See %2 file on Management Appliance %3 for details.
600	8COA0258	2	Starting restore operation from network share %1.
601	8COA0259	2	Completion of restore operation that was started to network share %1. See %2 file on Management Appliance %3 for details.
602	8COA025A	2	Cancellation of restore operation that was started from network share %1. See %2 file on Management Appliance %3 for details.
603	8COA025B	2	Clearing of backup log %1.
604	8COA025C	2	Clearing of restore log %1.
900	8COA0384	2	Starting %1.
901	8COA0385	2	Stopping %1.
904	8COA0388	2	Changing date/time to %1.
905	8COA0389	2	Changing time zone to %1.
906	8COA038A	2	Modification of SNTP time server - Enabled: %1, Server:%2, Frequency:%3.
950	8COA03B6	2	Launching of HSV element manager.
951	8COA03B7	2	Launching of HSG Element Manager.
952	8COA03B8	2	Launching of VersaStor.
953	8COA03B9	2	Launching of Automation.
954	8COA03BA	2	Launching of Management Agents.
960	8COA03C0	2	Launching of Network View.
961	8COA03C1	2	Launching of Secure Path Manager.
962	8COA03C2	2	Launching of Data Replication Manager.
963	8COA03C3	2	Launching of Enterprise Volume Manager.
964	8COA03C4	2	Launching of Storage Allocation Reporter.
965	8COA03C5	2	Launching of Storage Provisioner.
970	8COA03CA	2	Modification of IP address configuration.
971	8COA03CB	2	Modification of DNS server configuration.
972	8COA03CC	2	Modification of WINS server configuration.
980	8COA03D4	2	Modification of Administration Web Site properties.
981	8COA03D5	2	Modification of Global Network settings.
982	8COA03D6	2	Modification of Telnet Administration configuration.
1000	8COA03E8	2	Changing Management Appliance name to %1.
1001	8COA03E9	2	Changing Management Appliance membership to workgroup %1.

Table 3: Storage Management Appliance Audit Codes (Continued)

Event ID	Event Code	Severity	Description
1002	8COA03EA	2	Changing Management Appliance membership to domain %1.
1003	8COA03EB	2	Shutdown of Management Appliance.
1004	8COA03EC	2	Changing domain/workgroup membership.
1005	8COA03ED	2	Restarting Management Appliance.
1006	8COA03EE	2	Scheduling Management Appliance for %1.
1010	8COA03F2	2	Configuration of Management Appliance as the first domain controller in the new forest, %1. The new domain name is %2.
1011	8COA03F3	2	Configuration of Management Appliance as the first domain controller in a new domain tree. The name of the new domain is %1 and has trust link with %2.
1012	8COA03F4	2	Configuration of Management Appliance as the first domain controller in a new domain. The name of the new domain is %1 and is created in %2 domain.
1013	8COA03F5	2	Configuration of Management Appliance as an additional domain controller for the domain %1.
1020	8COA03FC	2	Modification of notification properties for event code %1 on %2.
1021	8COA03FD	2	Configuration of notification for the following devices: %1.
1022	8COA03FE	2	Clearing of notification settings for the following devices: %1.
1030	8COA0406	2	Download of audit log.
1031	8COA0407	2	Clearing of audit log.
1032	8COA0408	2	Modification of audit log properties.
1033	8COA0409	2	Acknowledgement of audits in the audit log.
1040	8COA0410	2	Adding of trap recipient %1.
1041	8COA0411	2	Removal of trap recipient %1.
1042	8COA0412	2	Modification of trap recipient %1.
1050	8COA041A	2	Setting SMTP server to %1 with IP address: %2.
1055	8COA041F	2	Logging in of user.
1056	8COA0420	2	Logging out of user.

NetApp Filers Event Codes

The following events are generated by NetApp Filer devices and are recorded in the Storage Management Appliance Event Log. A number of these events are associated with user-defined traps and most indicate a condition that is likely to have a negative impact on operations. A small number of events mark a return to normal operation after some period of abnormal operation.

The Storage Management Appliance supports the NetApp MIB version 1.2.

Table 4: NetApp Filer Event Codes

Event ID	Event Code	Severity	Description
100	880E0064	2	An unknown trap event was received.
101	880E0065	3	A polling-style trap built by the user using the SNMP traps command on the filer.
102	880E0066	5	Disk Health Monitor reported a Disk Degraded-I/O Event.
103	880E0067	4	Disk Health Monitor reported a Disk Predictive-Failure Event.
104	880E0068	7	A user-defined trap indicating an extremely urgent situation, usually indicating that the system has failed and is shutting down.
105	880E0069	5	A user-defined trap indicating a condition that should be corrected immediately, such as a failed disk.
106	880E006A	6	A user-defined trap indicating a critical condition, such as a hard device error.
107	880E006B	5	A user-defined trap indicating an error condition, such as a mistake in a configuration file.
108	880E006C	4	A user-defined trap indicating a condition which is not an error, but which may require special handling.
109	880E006D	2	A user-defined trap meant to provide information, such as an hourly uptime message.
110	880E006E	1	A user-defined trap used for debugging purposes.
111	880E006F	7	System is shutting down because the system has been running in degraded mode for 24 hours.
112	880E0070	5	One or more disks failed.
113	880E0071	2	The failed disks have been repaired.
114	880E0072	7	Critical chassis or cpu fans have failed and the system is shutting down.
115	880E0073	5	One or more chassis fans failed.
116	880E0074	3	One or more chassis or cpu fans are in warning state.
117	880E0075	2	All fans are repaired.
118	880E0076	7	Critical power supplies or power rails failed and the system is shutting down.
119	880E0077	5	One or more redundant power supplies failed.
120	880E0078	3	One or more power supplies or power rails in warning state.
121	880E0079	2	Previously-failed power supplies or power rails have been repaired.
122	880E007A	4	CPU utilization exceeds 90 percent.
123	880E007B	2	CPU utilization has dropped back below 90 percent.

Table 4: NetApp Filer Event Codes (Continued)

Event ID	Event Code	Severity	Description
124	880E007C	5	The NVRAM battery is fully discharged.
125	880E007D	4	The charge in the NVRAM battery is low.
126	880E007E	5	A node in a Cluster FailOver configuration failed. Its partner will assume service for the failed node.
127	880E007F	5	The partner has taken over for a failed cluster node.
128	880E0080	2	A cluster node has resumed operation.
129	880E0081	5	At least one volume is more than 98 percent full.
130	880E0082	4	At least one volume is more than 95 percent full.
131	880E0083	2	All volumes are now under 95 percent full.
132	880E0084	7	System temperature is too high to continue operating. The system is shutting down.
133	880E0085	4	System temperature is too high and in the warning level.
134	880E0086	2	System temperature has returned to an acceptable value.
135	880E0087	5	A disk storage shelf reported a fault, probably due to a problem with drive placement, fans, power, or temperature.
136	880E0088	2	A previously-reported shelf fault is now corrected.
137	880E0089	7	The appliance's overall status changed to 'nonRecoverable', indicating a problem so severe that the appliance is shutting down.
138	880E008A	6	The appliance's overall status changed to 'critical', indicating a problem that needs immediate attention.
139	880E008B	4	The appliance's overall status changed to 'nonCritical', indicating a problem that needs attention.
140	880E008C	2	The appliance's overall status returned to normal.
141	880E008D	2	Cold Start.
142	880E008E	2	Warm Start.
143	880E008F	2	Link Down: %1
144	880E0090	2	Link Up: %1
145	880E0091	2	Authorization failure.
146	880e0092	2	EGP Peer down: %1

HP StorageWorks and McData Switch Event Codes

The following events are generated by HP StorageWorks switches and McData switches and are recorded in the Storage Management Appliance Event Log. Many of these event types have several possible states and each state has an appropriate severity code.

The Storage Management Appliance supports the following StorageWorks and McData MIB versions:

- V1.9 for the ED-5000 series
- V1.10 for the EF-6000 series
- V1.0 for the ES-1000 series

Table 5: HP StorageWorks and McData Event Codes

Event ID	Event Code	Possible States	Severity	Description
100	880C0064	N/A	2	An unknown trap event was received.
101	880C0065	online offline testing faulty unknown	2 5 2 7 0	B_Port Index %2 changed state to %1.%n A es1000PortBportScn is generated whenever a B_Port changes its operational state.
102	880C0066	online offline testing faulty unknown	2 5 2 7 0	H_Port Index %2 changed state to %1.%n A es1000PortHportScn is generated whenever a H_Port changes its operational state
103	880C0067	active updatebusy failed unknown	2 2 7 0	Component Code %2 has changed state to %1.%n A es1000CompScn is generated whenever a COMPONENT status changes its operational state.
104	880C0068	online offline testing faulty unknown	2 5 2 7 0	Port Index %2 changed state to %1.%n An ed5000PortScn(1) is generated whenever a Fc_Port changes its operational state.
105	880C0069	active backup updatebusy failed unknown	2 3 2 7 0	FRU Code %2 has changed state to %1.%n An ed5000FruScn(2) is generated whenever a FRU status changes its operational state.
106	880C006A	online offline testing faulty unknown	2 5 2 7 0	Port Index %2 changed state to %1.%n An ef6000PortScn(1) is generated whenever a Fc_Port changes its operational state.
107	880C006B	active backup updatebusy failed unknown	2 3 2 7 0	FRU Code %2 has changed state to %1.%n An ef6000FruScn(2) is generated whenever a FRU status changes its operational state.

Table 5: HP StorageWorks and McData Event Codes (Continued)

Event ID	Event Code	Possible States	Severity	Description
108	880C006C	N/A	2	Device WWN: %1 currently attached to Port %2 has either successfully connected or is currently being rejected due to a Port Binding violation. An ef6000PortBindingViolation(3) is generated whenever the switch detects that a port binding violation occurs.
109	880C006D	N/A	2	Threshold Alert. ef6000PortIndex: %1 ef6000TALIndex: %2 An ef6000ThresholdAlert(4) is generated whenever a threshold alert occurs.
113	880C0071	informational	2	Cold Start.
115	880C0073	informational	2	Warm Start.
117	880C0075	warning	3	Link Down: %1.
119	880C0077	informational	2	Link Up: %1.
121	880C0079	warning	3	Authorization failure.
123	880C007B	warning	3	EGP Peer down: %1.

HP StorageWorks SAN and Brocade Switch Event Codes

The following events are generated by HP StorageWorks SAN switches and Brocade switches and are recorded in the Storage Management Appliance Event Log. Many of these event types have several possible states and each state has an appropriate severity code.

The Storage Management Appliance supports the StorageWorks SAN and Brocade MIB version 4.0.

Table 6: StorageWorks SAN and Brocade Switch Event Codes

Event ID	Event Code	Possible States	Severity	Description
105	88020069	unknown online offline testing faulty	0 2 5 2 7	Port Index %2 changed state to %1% SSN: %3% GroupName: %3% GroupType: %5% Group MemPosition: %6% A swFCPortScn(3) is generated whenever an FC_Port changes its operational state. For instance, the FC_Port goes from on-line to offline. The VarBind in the Trap Data Unit shall contain the corresponding instance of the FC_Port's operational status and index.
101	88020065	ok faulty unknown	2 5 0	Switch is faulty. Faulty reason: %1% SSN: %2% GroupName: %3% GroupType: %4% Group MemPosition: %5% A swFault(1) is generated whenever the diagnostics detects a fault with the switch.
103	88020067	unknown faulty below minimum normal above maximum absent	0 5 7 2 5 2	%5 is currently in state %1% SSN: %7% GroupName: %3% GroupType: %8% Group MemPosition: %9% A swSensorScn(2) is generated whenever an environment sensor changes its operational state. For instance, a fan stops working. The VarBind in the Trap Data Unit shall contain the corresponding instance of the sensor status, sensor index, sensor type, sensor value (reading) and sensor information. Note that the sensor information contains the type of sensor and its number in textual format.
107	8802006B	critical error warning informational debug	5 5 3 2 2	Event %1: %2 (severity level %3) - %5% SSN: %6% GroupName: %7% GroupType: %8% GroupMemPosition: %9% This trap is generated when an event whose level at or below swEventTrapLevel occurs.

Table 6: StorageWorks SAN and Brocade Switch Event Codes (Continued)

Event ID	Event Code	Possible States	Severity	Description
109	8802006D	informational normal faulty	2 2 7	Fabric Watch has generated an event.%n Threshold %3 in Class/Area %1 at index %2 has generated event %7 with %5 on %6.%n This event is %8%n SSN: %9%n GroupName: %10%n GroupType: %11%n GroupMemPosition: %12%n Trap sent by Fabric Watch to notify of an event.
111	8802006F	informational	2	A track change has generated a trap. %1%n. SSN: %2 GroupName: %3 GroupType: %4 GroupMemPosition: %5%n Trap sent for tracking login/logout/config changes.
100	88020064	informational	2	An unknown trap event was received.
113	88020071	informational	2	Cold Start.
115	88020073	informational	2	Warm Start.
117	88020075	warning	3	Link Down: %1.
119	88020077	informational	2	Link Up: %1.
121	88020079	informational	3	Authorization failure.
123	8802007B	informational	3	EGP Peer down: %1.

HSG Element Manager Event Codes

The HSG Element Manager is an application provided with the Storage Management Appliance and used to configure and monitor HSG80/60 storage elements. The HSG Element Manager generates events that help a user understand the status of both the manager application and the storage elements. The system records these events in the Storage Management Appliance Event Log.

Table 7: HSG Element Manager Event Codes

Event ID	Event Code	Severity	Description
6001	88011771	2	HSGSubsystem object created.
6002	88011772	2	Sense Data found.
6003	88011773	2	%1 state changed to online
6004	88011774	5	%1 state changed to offline
6005	88011775	2	%1 container state changed to good
6006	88011776	5	%1 container state changed to failed
6007	88011777	2	%1 container state changed to Reconstructing
6008	88011778	2	%1 container state changed to Initializing
6009	88011779	3	%1 container state changed to Reduced
6010	8801177A	2	%1 state changed to good. %2
6011	8801177B	5	%1 state changed to failed. %2
6012	8801177C	7	No controllers found
6013	8801177D	3	New controller %1 found
6014	8801177E	4	Other controller %1 unreachable
6015	8801177F	3	Other controller %1 reachable
6016	88011780	2	Controller %1 Cache Battery state changed to good
6017	88011781	3	Controller %1 Cache Battery state changed to low
6018	88011782	5	Controller %1 Cache Battery state changed to bad
6019	88011783	2	Controller %1 Cache state changed to good
6020	88011784	5	Controller %1 Cache state changed to bad
6021	88011785	5	Controller %1 Cache state changed to invalid
6022	88011786	4	Failed to refresh HSGSubsystem
6023	88011787	4	Failed to refresh Virtual Disks
6024	88011788	4	Failed to refresh Storage Sets
6025	88011789	4	Failed to refresh Devices
6026	8801178A	4	Failed to refresh Host Connections
6027	8801178B	4	Failed to rescan HSGSubsystem
6028	8801178C	7	Striped Mirror set modification. Members do not match
6029	8801178D	7	Too few mirrorset members for striped mirror set
6030	8801178E	7	Mirrorset already a member
6031	8801178F	7	STL Exception generated. %1
6032	88011790	7	Unknown system Exception generated. %1
6033	88011791	7	HSG Exception generated. %1
6034	88011792	7	Invalid Controller Pointer
6035	88011793	7	Invalid Container Pointer. %1

Table 7: HSG Element Manager Event Codes (Continued)

Event ID	Event Code	Severity	Description
6036	88011794	3	Device not found. %1
6037	88011795	3	%1 not found
6038	88011796	3	Storage Set not found
6039	88011797	3	Host Connection not found
6040	88011798	4	Test Unit Ready failed
6041	88011799	2	Virtual Disk %1 deleted
6042	8801179A	2	Virtual Disk %1 created
6043	8801179B	2	Device %1 added
6044	8801179C	2	Device %1 deleted
6045	8801179D	3	Host Connection %1 went offline
6046	8801179E	2	Host Connection %1 went online
6047	8801179F	3	Invalid parameter was found in request. %1
6048	880117A0	7	Invalid Storage Set type found. %1
6049	880117A1	4	Attempt to create virtual disk failed. %1
6050	880117A2	4	Attempt to modify virtual disk failed. %1
6051	880117A3	4	Attempt to delete virtual disk failed. %1
6052	880117A4	4	Attempt to modify device failed. %1
6053	880117A5	4	Attempt to modify Controller failed. %1
6054	880117A6	4	Attempt to modify Host Connection failed. %1
6055	880117A7	4	Attempt to delete Host Connection failed. %1
6056	880117A8	4	Attempt to rename Host Connection failed. %1
6057	880117A9	4	Snapshot: %1 not created.
6058	880117AA	2	Snapshot: %1 created.
6059	880117AB	2	Virtual Disk modified. %1
6060	880117AC	2	%1 modified
6061	880117AD	2	Controller modified. %1
6062	880117AE	2	Host Connection %1 modified
6063	880117AF	2	Host connection %1 has been renamed to %2
6064	880117B0	2	Host Connection %1 deleted
6065	880117B1	4	Attempt to rescan storage failed. %1
6066	880117B2	4	Attempt to Delete Storage Set failed. %1
6067	880117B3	4	Attempt to Delete Device failed. %1
6068	880117B4	2	Virtual disk: %1, %2 member removed.
6069	880117B5	4	Attempt to remove a member from a Virtual Disk failed. %1
6070	880117B6	7	Invalid Device Pointer. %1
6071	880117B7	4	Attempt to remove Failed Set member failed. %1
6072	880117B8	4	Attempt to add member to Spare Set failed. %1
6073	880117B9	4	Attempt to remove member from Spare Set failed. %1
6074	880117BA	6	EMU state now invalid. %1
6075	880117BB	2	EMU state now valid. %1
6076	880117BC	6	Power supply has gone bad. %1

Table 7: HSG Element Manager Event Codes (Continued)

Event ID	Event Code	Severity	Description
6077	880117BD	2	Power supply is now good. %1
6078	880117BE	6	Fan has gone bad. %1
6079	880117BF	2	Fan is now good. %1
6080	880117C0	6	High Temperature detected. %1
6081	880117C1	2	Temperature is within optimal range. %1
6082	880117C2	6	Airflow is bad. %1
6083	880117C3	2	Airflow is now good. %1
6084	880117C4	2	EMU is present
6085	880117C5	6	EMU is no longer present
6086	880117C6	7	Cabinet %1 went offline
6087	880117C7	2	Cabinet %1 went online
6088	880117C8	6	Master cabinet has no controller installed. %1
6089	880117C9	2	Master cabinet has controller installed. %1
6090	880117CA	2	Controller present but present in slave cabinet. %1
6091	880117CB	2	Master cabinet has controller installed. %1
6092	880117CC	6	UPS has gone bad. %1
6093	880117CD	2	UPS is now good. %1
6094	880117CE	6	Shelf is bad. %1
6095	880117CF	2	Shelf is good. %1
6096	880117D0	6	Voltage has gone bad. %1
6097	880117D1	2	Voltage is now good. %1
6098	880117D2	3	Other controller failed
6099	880117D3	2	Other controller now good
6100	880117D4	6	Communication with subsystem has gone down. %1
6101	880117D5	2	Regained communication to subsystem
6102	880117D6	4	Attempt to create Remote Copy Set failed. %1
6103	880117D7	2	Remote copy set: %1 created.
6104	880117D8	4	Attempt to Delete Remote Copy Set failed. %1
6105	880117D9	2	RCS: %1 deleted.
6106	880117DA	4	Attempt to modify Remote Copy Set failed. %1
6107	880117DB	2	%1 RCS has been modified.
6108	880117DC	3	No Modifications were made. %1
6109	880117DD	3	Attempt to set failsafe on Remote Copy Set failed. %1
6110	880117DE	4	Attempt to Delete Association failed. %1
6111	880117DF	4	Attempt to create Association failed. %1
6112	880117E0	2	Association: %1 created.
6113	880117E1	2	Association: %1 not deleted.
6114	880117E2	4	Attempt to modify Association failed. %1
6115	880117E3	2	%1 Association has been modified.
6116	880117E4	2	Name is in use
6117	880117E5	4	%1 unable to add to spare set

Table 7: HSG Element Manager Event Codes (Continued)

Event ID	Event Code	Severity	Description
6118	880117E6	2	Item is already used
6119	880117E7	2	Device %1 added to Spare Set
6120	880117E8	2	Device %1 removed from Spare Set
6121	880117E9	2	Device removed from Failed Set
6122	880117EA	4	Attempt to expand Virtual Disk failed. %1
6123	880117EB	2	Virtual Disk expanded
6124	880117EC	2	%1 Virtual Disk not expandable
6125	880117ED	4	Incomplete Concatset modify: %1
6126	880117EE	2	Storage Set modified
6127	880117EF	4	Attempt to modify Chunksize failed
6128	880117F0	7	HSGSubsystem Assertion
6129	880117F1	4	Codeload failed. %1
6130	880117F2	3	Codeload Error. %1
6131	880117F3	2	Top Controller is rebooting
6132	880117F4	2	Bottom Controller is rebooting
6133	880117F5	2	Both Controllers are rebooting
6134	880117F6	4	Could not locate top controller
6135	880117F7	4	Could not locate bottom controller
6136	880117F8	2	Operating state is normal. %1
6137	880117F9	6	Operating state is failed. %1
6138	880117FA	4	Operating state is impaired. %1
6139	880117FB	2	Top controller is done rebooting
6140	880117FC	2	Bottom controller is done rebooting
6141	880117FD	2	Both controllers are done rebooting
6142	880117FE	4	Reboot of controller failed. %1
6143	880117FF	2	SCSI command did not complete. %1
6144	88011800	2	EMU modified
6145	88011801	4	EMU modify failed
6146	88011802	2	Unit is an Association Log Device
6147	88011803	2	Unit is an RCS Initiator
6148	88011804	2	Unit has been expanded
6149	88011805	2	Unit has no preferred path
6150	88011806	2	Unit is transportable
6151	88011807	2	Unit is a Snapshot
6152	88011808	2	Unit writeback cache is disabled
6153	88011809	2	Unit storage container is partitioned
6154	8801180A	2	Incompatible storage container type
6155	8801180B	2	No peer to peer configuration
6156	8801180C	2	Unit is in Failed state
6157	8801180D	2	Unit has too few devices
6158	8801180E	2	Unit not in correct state

Table 7: HSG Element Manager Event Codes (Continued)

Event ID	Event Code	Severity	Description
6159	8801180F	2	Unit is used by another configuration
6160	88011810	2	Unit is a Snapshot source
6161	88011811	2	Subsystem firmware does not support snapshots
6162	88011812	2	Subsystem does not have peer to peer support enabled
6163	88011813	2	HSGSubsystem Miscellaneous info
6164	88011814	2	Mirror cache is not enabled
6165	88011815	2	Controller cache size is too small
6166	88011816	3	HSGSubsystem Unknown Status
6167	88011817	3	Subsystem has the maximum number of snapshots
6168	88011818	4	Not enough available physical disks or unused stripes
6169	88011819	3	Reached maximum physical disk count
6170	8801181A	4	Virtual Disk is a target
6171	8801181B	2	Initialize container failed. %1
6172	8801181C	2	Initialized container successfully. %1
6173	8801181D	4	No available containers
6174	8801181E	2	Reservation mutex check failed
6175	8801181F	7	Container not found. %1
6176	88011820	2	%1 Used by name list
6177	88011821	2	Unable to disable the PPRCMode
6178	88011822	4	Add VD member failed. %1
6179	88011823	2	Virtual Disk: %1, added member %2 successfully
6180	88011824	2	Check VirtualDisk not in REDUCE state or Replacement policy not NONE or not available physical disks
6181	88011825	2	Rejected because of reservation. %1
6182	88011826	4	Need ACS firmware revision 8.7 for management lockdown
6183	88011827	2	Virtual disk %1 has been reserved by %2
6184	88011828	2	A virtual disk has been unreserved. %1
6185	88011829	2	Virtual disk reservation failure. %1
6186	8801182A	2	Management lock down change. %1
6187	8801182B	2	No available disks
6188	8801182C	2	Maximum number of members
6189	8801182D	2	Replacement policy must be NOPOLICY
6190	8801182E	2	Raidset must be in reduced state
6191	8801182F	2	Code patch %1-%2 is Successfully loaded on %3 controller
7001	88011B59	6	HSGSubsystem API has lost comm to Subsystem. %1
7002	88011B5A	4	HSGSubsystem API has returned controller error text. %1
7003	88011B5B	4	HSGSubsystem API has received Invalid show this output
7004	88011B5C	4	HSGAPI::getAllControllers: Invalid SHOW OTHER output
7005	88011B5D	4	Invalid SHOW UNIT output %1
7006	88011B5E	4	HSGSubsystem API has received Invalid show storage output. %1

Table 7: HSG Element Manager Event Codes (Continued)

Event ID	Event Code	Severity	Description
7007	88011B5F	4	Invalid SHOW DEV FULL output
7008	88011B60	4	HSGSubsystem API has received Invalid show connection output. %1
7009	88011B61	3	HSGSubsystem API received modification request but no changes were found. %1
7010	88011B62	3	HSGSubsystem API received delete request but no changes were found. %1
7011	88011B63	3	HSGSubsystem API invalid CLI syntax or incomplete CLI command error (Last Status). %1
7012	88011B64	2	HSGSubsystem API has returned controller warning text
7013	88011B65	2	HSGSubsystem API This controller rebooting
7014	88011B66	2	HSGSubsystem API Other controller rebooting
7015	88011B67	2	HSGSubsystem API Both controllers rebooting
7016	88011B68	4	HSGAPI::getAllAssociations: Invalid SHOW AllAssociations output %1
7017	88011B69	4	HSGSubsystem API has received Invalid show Remote Copy. %1
7018	88011B6A	4	HSGSubsystem API Setting Host connection failure
7019	88011B6B	4	HSGAPI::getAutospare, Invalid SHOW FAILEDSET output
7020	88011B6C	3	Comm path switched. %1
7021	88011B6D	3	Unable to switch comm path. %1
7022	88011B6E	3	Last Status
8204	8801200C	7	A spurious interrupt was detected during the execution of a Subsystem Built-In Self Test
8205	8801200D	7	An unrecoverable error was detected during execution of the HOST PORT Subsystem Test. The system will not be able to communicate with the host.
8206	8801200E	7	An unrecoverable error was detected during execution of the UART/DUART Subsystem Test. This will cause the console to be unusable. This will cause failover communications to fail.
8207	8801200F	7	An unrecoverable error was detected during execution of the FX Subsystem Test.
8301	8801206D	7	An unrecoverable error was detected during execution of the PCI9060ES Test.
8302	8801206E	7	An unrecoverable error was detected during execution of the Device Port Subsystem Built-In Self Test. One or more of the device ports on the controller module has failed; some/all of the attached storage is no longer accessible via this controller.
8303	8801206F	7	Deletion of component failed.
8304	88012070	2	A component location has been updated.
8305	88012071	2	A component name has been updated.
8306	88012072	6	HSG not communicating.
8307	88012073	2	HSG is communicating.
8308	88012074	3	Log approaching max size, prior entries removed.
8309	88012075	2	New HSG found.

HSV Element Manager Event Codes

The HSV Element Manager is an application provided with the Storage Management Appliance that is used to configure and monitor HSV110 Array Controllers. The HSV Element Manager generates controller events and management agent events that help users understand the status of both the manager application and the storage elements.

The Storage Management Appliance supports the HSV MIB version 2.0.

Controller Events

Table 8 shows events generated by the HSV Controller, which are logged in the Storage Management Appliance Event Log. The Software Component ID (SWC ID) and Event Number (Evt. No.) codes can be used to correlate events recorded in the Controller Event Log of the HSV Element Manager with the events logged in the Storage Management Appliance Event Log.

Table 8: HSV Element Manager Event Codes: Controller Events

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
100	88030064	3	0	0	Storage Cell: %1 Event Code: %2 Description: recognized Controller event generated.
256	88030100	2	1	0	Storage Cell: %1 Event Code: %2 Description: During Executive Services initialization the system time value was set to the value contained in the time field. The action field contains one of the following codes which describes the condition that caused the time value to be: 0 = TOY clock unavailable; time reset to default date and time. 1 = TOY clock time value was less than or equal to the last known time value previously stored in nonvolatile memory; time reset to default date and time. 2 = EDC was bad for last known time value previously stored in nonvolatile memory; time reset to default date and time. 3 = TOY clock not running; time reset to default date and time. 4 = TOY clock time value believed to be accurate; time set to TOY clock time value.
257	88030101	2	1	1	Storage Cell: %1 Event Code: %2 Description: The system time value was set to the value contained in the time field by a call to the EXEC\$SET_TIME service. As part of setting the time in a dual HSV110 controller configuration, the times are synchronized. The action field contains one of the following codes which describes the action taken: 0 = The time was set to the time value on this HSV110 controller. 1 = The master HSV110 controller requested the slave HSV110 controller to set it's time to the time value. 2 = The slave HSV110 controller set the local time to the time value. 3 = The HSV110 controller's TOY clock was set to the time value.
768	88030300	2	3	0	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the node_name field has failed in communicating with the Cabinet (Rack) Bus Interface Controller.
769	88030301	6	3	1	Storage Cell: %1 Event Code: %2 Description: The physical disk drive identified by the device field has been rendered inoperable. If the flags.quorum_disk flag is nonzero, the physical disk drive is the Storage System Quorum disk identified in the quorum_sequence field. If the flags.inq_state flag is nonzero, the content of the inq_data and capacity fields is valid. If the rss_flags.member_abnormal flag is nonzero, the content of the member_state field is valid. The rack_num field will not be valid until a future release.
770	88030302	3	3	2	Storage Cell: %1 Event Code: %2 Description: The physical disk drive identified in the node_name field will not be used because the maximum number of physical disk drives already exist in the current Storage System.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
771	88030303	2	3	3	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller has begun booting.
772	88030304	2	3	4	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller, identified in the node_name field, has finished the process of bringing the Storage System, identified in the cell_tag fields, online.
773	88030305	2	3	5	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the node_name field has been joined into the Storage System.
774	88030306	2	3	6	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the node_name field has been ousted from the Storage System, identified in the cell_tag fields
775	88030307	2	3	7	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the node_name field is now the Storage System master, identified in the cell_tag fields, master
776	88030308	2	3	8	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the node_name field has been brought into the Storage System, identified in the cell_tag fields.
1024	88030400	6	4	0	Storage Cell: %1 Event Code: %2 Description: HSV110 controller operation was terminated due to an unrecoverable event detected by either software or hardware or due to an action initiated via the Storage System Management Interface.
1025	88030401	6	4	1	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the lter.terminating_ctrlr field sent a last gasp message prior to terminating operation.
1026	88030402	6	4	2	Storage Cell: %1 Event Code: %2 Description: A machine check occurred while a termination event was being processed. The post-termination operation being performed at the time the event occurred can be derived from the lter.reueq_index field. Note: The lteihd and lter fields may not describe the event that caused the HSV110 controller to terminate operation depending on how far termination processing got before the machine check occurred.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1027	88030403	6	4	3	<p>Storage Cell: %1 Event Code: %2 Description: An unexpected event occurred while a termination event was being processed. The value contained in the uei.type field describes the event as follows: 0 = Unrecognized Unexpected Event code. 1 = Power failure before initialization could complete. 2 = Recursive termination before initialization could complete. 3 = Terminated during the first part post-termination preparation. 4 = Terminated during the load of the G3 Glue registers. 5 = Terminated during the second part post-termination preparation. 6 = Terminated during event report block load. 7 = Terminated during initialization of all hardware components and software data structures in preparation for restart. 8 = Terminated during execution of an unrecognized post-termination operation (premature). 9 = Power failure during execution of a post-termination operation. A = No good entries found in Termination Event Array. B = The EDC of one or more Termination Event Array entries is bad. C = Termination Event Array entry control block revision is different. D = Termination Event Array entry information block revision is different. E = Termination Event Array entry up time value is greater than the system's up time value. F = Termination Event Array entry up time value is less than the previous entry's up time value. 10= Termination Event Array entry sequence number value is less than the previous entry's sequence number value. 11= Detected an unrecognized dump/restart control code. 12= Failed to terminate the entity dump loop. 13= Unexpected dump entity size. 14= Unexpected Event Log Packet processing stage code. 15= Number of Termination Parameters supplied not equal to maximum allowed as required. The post-termination operation being performed at the time the unexpected event occurred is contained in the uei.pto field.</p> <p>Note: The lteihd and lter fields may not describe the event that caused the HSV110 controller to terminate operation depending on how far termination processing got before the unexpected event occurred.</p>
1028	88030404	2	4	4	<p>Storage Cell: %1 Event Code: %2 Description: The Storage System Event Log validation completed successfully. The content of the cinfo.scelcbi.status field, the cinfo.scelcbi structure, and the minfo.scelmi structure show the validated state of the Storage System Event Log. The meaning of the status value contained in the cinfo.scelcbi.status field is as follows: 0 = No problems found.</p> <p>Note: The content of the ainfo fields, cinfo.scelcbi structure, and minfo.scelmi structure is undefined.</p>

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1029	88030405	2	4	5	<p>Storage Cell: %1 Event Code: %2 Description: The Storage System Event Log validation failed. The content of the cinfo.scelcbi.status field, the cinfo.scelcbi structure, and the minfo.scelmi structure show the state of the Storage System Event Log at the time of the failure. The content and state of the Storage System Event Log have been initialized to their initial operational settings. The meaning of the status value contained in the cinfo.scelcbi.status field is as follows: 1 = Cookie value is not as expected. 2 = Event data overflows the buffer. 3 = Event data size is not a multiple of 4 bytes, is less than the minimum, or is greater than the maximum. 4 = Event Information Packet type is greater than the maximum. 5 = Event information size is not a multiple of 4 bytes, is less than the minimum, is greater than the maximum, doesn't match the Event Information Packet type size, or when combined with the entry header size doesn't equal the entry size. 6 = Event code is zero. 7 = Event is out of sequence. 8 = Dead space area at the end of a partially packed buffer contains a nonzero value. 9 = An event data block containing a nonzero value was found after end of event data was detected. A = Sequence number reset flag not set as expected. B = The event log contains no entries. C = Event data block read failed during maintenance verification. D = Event data block read failed during maintenance completion. E = Event data block erase failed during maintenance completion. F = Control block read failed during maintenance verification.</p> <p>Note: The content of the ainfo fields, cinfo.sctelcbi structure, and minfo.sctelmi structure is undefined.</p>
1030	88030406	6	4	6	<p>Storage Cell: %1 Event Code: %2 Description: Event reports were lost due to an insufficient supply of Event Log Packets on the HSV110 controller that is the Storage System Master. The ainfo.events_not_reported field shows the number of event reports lost.</p> <p>Note: The content of the ainfo.quiesce_type field, ainfo.remote_event field cinfo.sctelcbi structure, and minfo.sctelmi structure is undefined.</p>
1031	88030407	6	4	7	<p>Storage Cell: %1 Event Code: %2 Description: Event reports were lost due to an insufficient supply of Event Log Packets on the HSV110 controller that is not the Storage System Master. The ainfo.events_not_reported field shows the number of event reports lost.</p> <p>Note: The content of the ainfo.quiesce_type field, ainfo.remote_event field cinfo.sctelcbi structure, and minfo.sctelmi structure is undefined.</p>
1032	88030408	2	4	8	<p>Storage Cell: %1 Event Code: %2 Description: The Storage System Termination Event Log has become inaccessible. The content of the cinfo.sctelcbi.status field, the cinfo.sctelcbi structure, and the minfo.sctelmi structure show the current state of the Storage System Termination Event Log. The meaning of the status value contained in the cinfo.sctelcbi.status field is as follows: F = Control block read failed during maintenance verification. 10= Control block read failed during maintenance verification. 11= Event data block write failed during maintenance update. 12= Control block write failed during maintenance completion. 13= Storage System Termination Event Log related send was unsuccessful or the master found that the Storage System Termination Event Log is inaccessible. 16= Event data block read failed during retrieval request.</p> <p>Note: The content of the ainfo fields, cinfo.scelcbi structure, and minfo.scelmi structure is undefined.</p>

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1033	88030409	2	4	9	Storage Cell: %1 Event Code: %2 Description: The Storage System Termination Event Log validation completed successfully. The content of the cinfo.sctelcbi.status field, the cinfo.sctelcbi structure, and the minfo.sctelmi structure show the validated state of the Storage System Termination Event Log. The meaning of the status value contained in the cinfo.sctelcbi.status field is as follows: 0 = No problems found. Note: The content of the ainfo fields, cinfo.scelcbi structure, and minfo.scelmi structure is undefined.
1034	8803040a	2	4	a	Storage Cell: %1 Event Code: %2 Description: The Storage System Termination Event Log validation failed. The content of the cinfo.sctelcbi.status field, the cinfo.sctelcbi structure, and the minfo.sctelmi structure show the state of the Storage System Termination Event Log at the time of the failure. The meaning of the status value contained in the cinfo.sctelcbi.status field is as follows: F = Control block read failed during maintenance verification. 10= Control block read failed during maintenance verification. 11= Event data block write failed during maintenance update. 12= Control block write failed during maintenance completion. 13= Storage System Termination Event Log related send was unsuccessful or the master found that the Storage System Termination Event Log is inaccessible. 16= Event data block read failed during retrieval request. Note: The content of the ainfo fields, cinfo.scelcbi structure, and minfo.scelmi structure is undefined.
1035	8803040b	2	4	b	Storage Cell: %1 Event Code: %2 Description: The Storage System Termination Event Log has been updated with the termination event information obtained from the HSV110 controller that is not the Storage System Master. The content of the cinfo.sctelcbi.status field, the cinfo.sctelcbi structure, and the minfo.sctelmi structure show the updated state of the Storage System Termination Event Log. The meaning of the status value contained in the cinfo.sctelcbi.status field is as follows: 0 = No problems found. Note: The content of the ainfo fields, cinfo.scelcbi structure, and minfo.scelmi structure is undefined.
1036	8803040c	6	4	c	Storage Cell: %1 Event Code: %2 Description: The Fault Manager on the Storage System Master received an invalid Event Information Packet from the remote Fault Manager. The header information from the invalid Event Information packet is contained in the ainfo.remote_event field. Note: The content of the ainfo.quiesce_type field, ainfo.events_not_reported field, cinfo.scelcbi structure, cinfo.sctelcbi structure, minfo.scelmi structure, and minfo.sctelmi structure is undefined.
1037	8803040d	2	4	d	Storage Cell: %1 Event Code: %2 Description: The Fault Manager operation was made quiescent. If the ainfo.quiesce_type field is equal to 0, the operation was performed on both HSV110 controllers. If the ainfo.quiesce_type field is equal to 1, the operation was performed only on the HSV110 controller that is not the Storage System Master. Note: The content of the ainfo.events_not_reported field, cinfo.scelcbi structure, cinfo.sctelcbi structure, minfo.scelmi structure, and minfo.sctelmi structure is undefined.
1038	8803040e	6	4	e	Storage Cell: %1 Event Code: %2 Description: An HSV110 controller sent a last gasp message prior to terminating operation with an indication that the HSV110 controller identified in the lter.terminating_ctrlr field should also terminate operation.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1536	88030600	6	6	0	Storage Cell: %1 Event Code: %2 Description: A physical disk drive has reported that it has exceeded its failure prediction threshold. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. If the bay field contains a value other than zero, the location of the physical disk drive is contained in the rack_num, dencd_num, and bay fields. If the bay field contains a zero, the location of the physical disk drive is unknown and the content of the rack_num and dencd_num fields is undefined. The rack_num field will not be valid until a future release. The Fibre Channel Exchange Descriptor class is contained in the fed_class field. The command issued to the physical disk drive is contained in the cmd field. The sense data obtained from the physical disk drive as a result of the failure prediction threshold exceeded error is contained in the error field.
1537	88030601	3	6	1	Storage Cell: %1 Event Code: %2 Description: A Fibre Channel port on the HSV110 controller has failed to respond. The identity of the affected Fibre Channel port is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number of the affected Fibre Channel port is contained in the port field. The peb array contains the port event block information. The peq_frz_prod_index field contains the index to the port event block in use when the Tachyon chip entered the frozen state. The peq_prod_index field contains the index to the next port event block. The peq_cons_index field contains the index to the next port event block to be acted upon. The failure_cause field contains the internal routing.
1538	88030602	2	6	2	Storage Cell: %1 Event Code: %2 Description: A physical disk drive has reported a check condition error. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. If the bay field contains a value other than zero, the location of the physical disk drive is contained in the rack_num, dencd_num, and bay fields. If the bay field contains a zero, the location of the physical disk drive is unknown and the content of the rack_num and dencd_num fields is undefined. The rack_num field will not be valid until a future release. The Fibre Channel Exchange Descriptor class is contained in the fed_class field. The command issued to the physical disk drive is contained in the cmd field. The sense data obtained from the physical disk drive as a result of the check condition error is contained in the error field.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1539	88030603	3	6	3	Storage Cell: %1 Event Code: %2 Description: A frame sent to a physical disk drive or another HSV110 controller via the mirror port or a Drive Enclosure Environmental Monitoring Unit has timed out. The identity of the intended recipient is contained in the device field. The Fibre Channel port over which the frame was sent is identified in the cerp_id field. The HSV110 controller internal Fibre Channel port number over which the frame was sent is contained in the port field. The arbitrated loop physical address of the intended recipient is contained in the al_pa field. If the bay field contains a value other than zero, the intended recipient was the physical disk drive located as indicated by the content of the rack_num, denc_num, and bay fields. If the bay field contains a zero, the location of the intended recipient is unknown and the content of the rack_num and denc_num fields is undefined. The rack_num field will not be valid until a future release. The number of timeouts detected is contained in the num_times field.
1540	88030604	3	6	4	Storage Cell: %1 Event Code: %2 Description: Work was unexpectedly sent to this HSV110 controller by a physical disk drive or another HSV110 controller. This HSV110 controller did not originate the work. The identity of the sender is contained in the device field. The Fibre Channel port over which the unexpected work was received is identified in the cerp_id field. The HSV110 controller internal Fibre Channel port number over which the unexpected work was received is contained in the port field. The arbitrated loop physical address of the sender is contained in the al_pa field. If the bay field contains a value other than zero, the sender was the physical disk drive located as indicated by the content of the rack_num, denc_num, and bay fields. If the bay field contains a zero, the location of the sender is unknown and the content of the rack_num and denc_num fields is undefined. The rack_num field will not be valid until a future release. The hdr_cdb field contains the command descriptor block and Fibre Channel header information associated with the unexpected work.
1541	88030605	3	6	5	Storage Cell: %1 Event Code: %2 Description: Work has been sent to a physical disk drive or another HSV110 controller via the mirror port but it did not respond. The identity of the intended target is contained in the device field. The Fibre Channel port over which the work was sent is identified in the cerp_id field. The HSV110 controller internal Fibre Channel port over which the work was sent is contained in the port field. The arbitrated loop physical address of the intended target is contained in the al_pa field. If the bay field contains a value other than zero, the intended target was the physical disk drive located as indicated by the content of the rack_num, denc_num, and bay fields. If the bay field contains a zero, the location of the intended target is unknown and the content of the rack_num and denc_num fields is undefined. The rack_num field will not be valid until a future release. The Fibre Channel Exchange Descriptor class is contained in the fed_class field. The command issued to the intended target is contained in the cmd field. Note that in this case the content of the error field is undefined.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1543	88030607	3	6	7	Storage Cell: %1 Event Code: %2 Description: A Target Discovery Service Descriptor frame sent to a physical disk drive has timed out. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. If the bay field contains a value other than zero, the location of the physical disk drive is contained in the rack_num, denc_num, and bay fields. If the bay field contains a zero, the location of the physical disk drive is unknown and the content of the rack_num and denc_num fields is undefined. The rack_num field will not be valid until a future release. The Fibre Channel Exchange Descriptor class is contained in the fed_class field. The command issued to the physical disk drive is contained in the cmd field. Note that in this case the content of the error field is undefined.
1544	88030608	2	6	8	Storage Cell: %1 Event Code: %2 Description: An excessive number of link errors were detected on a HSV110 controller's Fibre Channel port. The identity of the affected Fibre Channel port is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number of the affected Fibre Channel port is contained in the port field. This is an informational event triggered by the occurrence of an excessive number of Tachyon chip link status errors detected within a particular link status error type. The number of occurrences of each link status error type is contained in a separate type-specific field (e.g., loss_of_signal, bad_rx_char, etc.). The HSV110 controller checks each of its Fibre Channel port's for excessive link status errors periodically.
1545	88030609	6	6	9	Storage Cell: %1 Event Code: %2 Description: A physical disk drive has reported numerous failure prediction threshold exceeded errors. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. If the bay field contains a value other than zero, the location of the physical disk drive is contained in the rack_num, denc_num, and bay fields. If the bay field contains a zero, the location of the physical disk drive is unknown and the content of the rack_num and denc_num fields is undefined. The rack_num field will not be valid until a future release. The Fibre Channel Exchange Descriptor class is contained in the fed_class field. The num_times field is the number of failure prediction threshold exceeded errors reported by the physical disk drive in the previous minute.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1546	8803060a	2	6	a	Storage Cell: %1 Event Code: %2 Description: A physical disk drive has reported numerous check condition errors. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. If the bay field contains a value other than zero, the location of the physical disk drive is contained in the rack_num, denc_num, and bay fields. If the bay field contains a zero, the location of the physical disk drive is unknown and the content of the rack_num and denc_num fields is undefined. The rack_num field will not be valid until a future release. The Fibre Channel Exchange Descriptor class is contained in the fed_class field. The num_times field is the number of check condition errors reported by the physical disk drive in the previous minute.
1547	8803060b	3	6	b	Storage Cell: %1 Event Code: %2 Description: A non-data exchange frame sent to a physical disk drive has timed out. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. If the bay field contains a value other than zero, the location of the physical disk drive is contained in the rack_num, denc_num, and bay fields. If the bay field contains a zero, the location of the physical disk drive is unknown and the content of the rack_num and denc_num fields is undefined. The rack_num field will not be valid until a future release. The Fibre Channel Exchange Descriptor class is contained in the fed_class field. The command issued to the physical disk drive is contained in the cmd field. Note that in this case the content of the error field is undefined.
1548	8803060c	2	6	c	Storage Cell: %1 Event Code: %2 Description: A loop switch has been detected on a Fibre Channel port. The identity of the Fibre Channel port is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number is contained in the port field. Note that in this case the device, al_pa, rack_num, denc_num, bay, fed_class and num_times fields are undefined.
1549	8803060d	2	6	d	Storage Cell: %1 Event Code: %2 Description: The location of a physical disk drive previously reported as unknown is now known. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. The location of the physical disk drive is contained in the rack_num, denc_num, and bay fields. The rack_num field will not be valid until a future release. Note that in this case the content of the fed_class and num_times fields is undefined.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1550	8803060e	6	6	e	Storage Cell: %1 Event Code: %2 Description: A Drive Enclosure Environmental Monitoring Unit requested a code update but the code update could not be found, so the update was not performed. The identity of the affected Drive Enclosure Environmental Monitoring Unit is contained in the device field. The Fibre Channel port used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the port field. The location of the Drive Enclosure Environmental Monitoring Unit is contained in the rack_num and denc_l_num fields. The rack_num field will not be valid until a future release. Note that in this case the content of the al_pa, bay, fed_class and num_times field is undefined.
1551	8803060f	6	6	f	Storage Cell: %1 Event Code: %2 Description: The Drive Enclosure Environmental Monitoring Unit is able to communicate with a physical disk drive but this HSV110 controller is unable to communicate with that physical disk drive on the Fibre Channel bus. The identity of the Drive Enclosure Environmental Monitoring Unit is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The location of the physical disk drive is contained in the rack_num, denc_l_num, and bay fields. The rack_num field will not be valid until a future release. Note that in this case the content of the al_pa, fed_class and num_times fields is undefined.
1552	88030610	6	6	10	Storage Cell: %1 Event Code: %2 Description: The Drive Enclosure Environmental Monitoring Unit is unable to communicate with this HSV110 controller. The Drive Enclosure Environmental Monitoring Unit has either stopped communicating with the HSV110 controller, or is not connected to the rack. If the Drive Enclosure Environmental Monitoring Unit is not connected to the rack, then the location of the Drive Enclosure Environmental Monitoring Unit is unknown. If the bay field contains a value other than zero, the identity of the Drive Enclosure Environmental Monitoring Unit is contained in the device field. If the bay field contains a zero, the content of the device field is undefined. The Fibre Channel port used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the port field. If the bay field contains a value other than zero, the location of the Drive Enclosure Environmental Monitoring Unit is contained in the rack_num and denc_l_num fields. If the bay field contains a zero, the location of the Drive Enclosure Environmental Monitoring Unit is unknown and the content of the rack_num and denc_l_num fields is undefined. The rack_num field will not be valid until a future release. Note that in this case the content of the al_pa, fed_class and num_times fields is undefined.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1554	88030612	2	6	12	Storage Cell: %1 Event Code: %2 Description: The retry count for a task assigned to a Drive Enclosure Environmental Monitoring Unit has been exhausted. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The peb array contains the task list that was intended to be sent to the Drive Enclosure Environmental Monitoring Unit. The peq_frz_prod_index field contains the task that was being retried. The peq_prod_index field contains the drive enclosure where the physical disk drive used to communicate with the Drive Enclosure Environmental Monitoring Unit is located. The peq_cons_index field identifies the Fibre Channel loop pair (0 = Loop A, 1 = Loop B) used to communicate with the physical disk drive that was used to communicate with the Drive Enclosure Environmental Monitoring Unit. The failure_cause field contains the bay where the physical disk drive used to communicate with the
1555	88030613	2	6	13	Storage Cell: %1 Event Code: %2 Description: A Drive Enclosure Environmental Monitoring Unit is able to communicate with this HSV110 controller. The identity of the Drive Enclosure Environmental Monitoring Unit is contained in the device field. The Fibre Channel port used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the port field. The location of the Drive Enclosure Environmental Monitoring Unit is contained in the rack_num and dencl_num fields. The rack_num field will not be valid until a future release. Note that in this case the content of the bay, fed_class and num_times fields is undefined.
1556	88030614	6	6	14	Storage Cell: %1 Event Code: %2 Description: There are too many drive enclosures. The Fibre Channel port with too many drive enclosures attached to the HSV110 controller is contained in the cerp_id field. Note that in this case the content of the bay, fed_class, rack_num, dencl_num and num_times fields is undefined.
1557	88030615	6	6	15	Storage Cell: %1 Event Code: %2 Description: The cable connected to the I/O module is attached to the wrong Fibre Channel port. The Fibre Channel port incorrectly attached to the HSV110 controller is contained in the cerp_id field. Note that in this case the content of the bay, fed_class, rack_num, dencl_num and num_times fields is undefined.
1558	88030616	6	6	16	Storage Cell: %1 Event Code: %2 Description: A HSV110 controller does not have an address on the enclosure address bus. The HSV110 controller location cannot be identified. Note that in this case the content of the bay, fed_class, rack_num, dencl_num, alpa, device, cerp_id, port, and num_times fields are undefined.
1559	88030617	6	6	17	Storage Cell: %1 Event Code: %2 Description: A Drive Enclosure Environmental Monitoring Unit has detected a physical disk drive that was preventing proper loop operation. The physical disk drive has been bypassed and is ready for replacement. The location of this physical disk drive is specified by the rack_num, bay, and dencl_num fields. The rack_num field will not be valid until a future release. The identity of the Drive Enclosure Environmental Monitoring Unit is contained in the device field. The UUID of the specific physical disk drive is not identifiable. Check the fault lights of the enclosure associated with this Drive Enclosure Environmental Monitoring Unit. Note that in this case the content of the fed_class, alpa, and num_times fields are undefined.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1560	88030618	2	6	18	Storage Cell: %1 Event Code: %2 Description: A Drive Enclosure Environmental Monitoring Unit has begun updating its code. Do not power down this drive enclosure until the code update has completed. The identity of the Drive Enclosure Environmental Monitoring Unit is contained in the device field. The Fibre Channel port used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the port field. The location of the Drive Enclosure Environmental Monitoring Unit is contained in the rack_num and denc_l_num fields. The rack_num field will not be valid until a future release. Note that in this case the content of the fed_class, alpa, and num_times fields are undefined.
1561	88030619	2	6	19	Storage Cell: %1 Event Code: %2 Description: A Drive Enclosure Environmental Monitoring Unit has completed updating its code. It is now safe to power down this drive enclosure. The identity of the Drive Enclosure Environmental Monitoring Unit is contained in the device field. The Fibre Channel port used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the Drive Enclosure Environmental Monitoring Unit is contained in the port field. The location of the Drive Enclosure Environmental Monitoring Unit is contained in the rack_num and denc_l_num fields. The rack_num field will not be valid until a future release. Note that in this case the content of the fed_class, alpa, and num_times fields are undefined.
1562	8803061a	6	6	1a	Storage Cell: %1 Event Code: %2 Description: A physical disk drive has exceeded its soft error threshold. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. If the bay field contains a value other than zero, the location of the physical disk drive is contained in the rack_num, denc_l_num, and bay fields. If the bay field contains a zero, the location of the physical disk drive is unknown and the content of the rack_num and denc_l_num fields is undefined. The rack_num field will not be valid until a future release. Note that in this case the content of the fed_class, cdb, and sense_data fields are undefined.
1563	8803061b	2	6	1b	Storage Cell: %1 Event Code: %2 Description: A HSV110 controller now has an address on the enclosure address bus. The HSV110 controller location has been identified. The location of the HSV110 controller is contained in the rack_num and denc_l_num fields. The rack_num field will not be valid until a future release. Note that in this case the content of the bay, fed_class, alpa, cerp_id, port, and num_times fields are undefined.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
1564	8803061c	3	6	1c	Storage Cell: %1 Event Code: %2 Description: A non-data exchange frame sent to a physical disk drive has timed out. The identity of the physical disk drive is contained in the device field. The Fibre Channel port used to communicate with the physical disk drive is contained in the cerp_id field. The HSV110 controller internal Fibre Channel port number used to communicate with the physical disk drive is contained in the port field. The arbitrated loop physical address of the physical disk drive is contained in the al_pa field. If the bay field contains a value other than zero, the location of the physical disk drive is contained in the rack_num, dencd_num, and bay fields. If the bay field contains a zero, the location of the physical disk drive is unknown and the content of the rack_num and dencd_num fields is undefined. The rack_num field will not be valid until a future release. The Fibre Channel Exchange Descriptor class is contained in the fed_class field. The command issued to the physical disk drive is contained in the cmd field. Note that in this case the content of the error field is undefined.
2305	88030901	2	9	1	Storage Cell: %1 Event Code: %2 Description: The state of the Physical Disk Drive identified in the handle field has transitioned to the NORMAL state. The value.ul1 field contains the new state: 1 (NORMAL). The value.ul2 field contains the old state. The state values that may be in the value.ul2 field are as follows: 2 = Degraded 3 = Failed 4 = Not present
2306	88030902	2	9	2	Storage Cell: %1 Event Code: %2 Description: The state of the Volume identified in the handle field has changed. The value.ul1 field contains the new state. The value.ul2 field contains the old state. The state values that may be found in the value.ul1 and value.ul2 fields are as follows: 1 = Normal 2 = Migrating 3 = Missing 4 = Reconstructing 5 = Completing 6 = Reverting 7 = Failed
2307	88030903	2	9	3	Storage Cell: %1 Event Code: %2 Description: The state of The internal Logical Disk associated with the Virtual Disk identified in the handle field has changed. The value.ul1 field contains the new state. The value.ul2 field contains the old state. The state values that may be found in the value.ul1 and value.ul2 fields are as follows: 1 = Normal 2 = Replacement delay in progress 3 = Redundancy lost, restore in progress 4 = Redundancy lost, restore stalled 5 = Failed 6 = Creation in progress 7 = Snapshot is inoperative due to lack of snapshot space 8 = Deletion in progress 9 = Capacity change in progress 10 = Inoperative due to data lost
2308	88030904	2	9	4	Storage Cell: %1 Event Code: %2 Description: The state of the HSV110 controller identified in the handle field has transitioned to the NORMAL state. The value.ul1 field contains the new state: 1 (NORMAL). The value.ul2 field contains the old state: 3 (FAILED).
2309	88030905	2	9	5	Storage Cell: %1 Event Code: %2 Description: The state of a battery assembly within the HSV110 controller identified in the handle field has changed. The value.ul1 field contains the new state. The value.ul2 field contains the old state. The state values that may be found in the value.ul1 and value.ul2 fields are as follows: 1 = Battery System Hold-up Time is greater than 96 hours 3 = Battery System Hold-up Time is greater than 0 and less than 96 hours 5 = Battery System Hold-up Time is zero hours
2310	88030906	6	9	6	Storage Cell: %1 Event Code: %2 Description: The state of the Volume identified in the handle field has transitioned to the MISSING state. The value.ul1 field contains the new state: 3 (MISSING). The value.ul2 field contains the old state. The state values that may be found in the value.ul2 field are as follows: 1 = Normal 2 = Migrating 4 = Reconstructing 5 = Completing 6 = Reverting 7 = Failed

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2311	88030907	2	9	7	Storage Cell: %1 Event Code: %2 Description: The state of the Fibre Channel port identified in the attribute.value.str field and located on the rear panel of the HSV110 controller identified in the handle field has transitioned to the NORMAL state. The attribute.type field contains the value 4. The value.ul1 field contains the new state: 1 (NORMAL). The value.ul2 field contains the old state: 2 (FAILED). Note that the HSV110 controller's internal identity of the affected Fibre Channel port is contained in the secondary_id field.
2312	88030908	3	9	8	Storage Cell: %1 Event Code: %2 Description: The Occupancy Alarm Level threshold has been reached for the Disk Group identified in the handle field.
2313	88030909	2	9	9	Storage Cell: %1 Event Code: %2 Description: The Resource Availability state of the Volume identified in the handle field has transitioned to the SUFFICIENT state. The value.ul1 field contains the new state: 0 (SUFFICIENT). The value.ul2 field contains the old state: 1 (INSUFFICIENT).
2314	8803090a	2	9	a	Storage Cell: %1 Event Code: %2 Description: The Data Availability state of the Logical Disk identified in the handle field has transitioned to the NORMAL state. The value.ul1 field contains the new state: 0 (NORMAL). The value.ul2 field contains the old state: 1 (DATA LOST).
2316	8803090c	2	9	c	Storage Cell: %1 Event Code: %2 Description: The Snapclone Logical Disk identified in the handle field has completed the unsharing operation.
2317	8803090d	2	9	d	Storage Cell: %1 Event Code: %2 Description: The state of the Quorum Disk flag for the Volume identified in the handle field has changed. The value.ul1 field contains the new state of the Quorum Disk flag. The value.ul2 field contains the old state of the Quorum Disk flag. The state values that may be found in the value.ul1 and value.ul2 fields are as follows: 0 = FALSE 1 = TRUE
2318	8803090e	3	9	e	Storage Cell: %1 Event Code: %2 Description: The temperature trip point for a temperature sensor located within the HSV110 controller identified in the handle field has been reached.
2319	8803090f	3	9	f	Storage Cell: %1 Event Code: %2 Description: A temperature sensor located within the HSV110 controller identified in the handle field is approaching its trip point. The value.ul1 field contains the current temperature reading from that sensor in Celsius. The secondary_id field contains the temperature trip point in Celsius.
2321	88030911	2	9	11	Storage Cell: %1 Event Code: %2 Description: The Blower Present flag for the '1' blower assembly located within the HSV110 controller identified in the handle field has transitioned from the NOT PRESENT to PRESENT state indicating that the blower has been reinstalled. The secondary_id field contains the '1' blower assembly internal identifier value: 1. The value.ul1 field contains the new state of the Blower Present flag: 1 (PRESENT). The value.ul2 field contains the old state of the Blower Present flag: 0 (NOT PRESENT).
2322	88030912	6	9	12	Storage Cell: %1 Event Code: %2 Description: The '1' blower located within the HSV110 controller identified in the handle field is running slower than the lowest acceptable speed. The secondary_id field contains the '1' blower assembly internal identifier value: 1. The value.ul1 field contains the current speed of the '1' blower. The value.ul2 field contains the lowest acceptable speed for the '1' blower.
2323	88030913	2	9	13	Storage Cell: %1 Event Code: %2 Description: One of the voltage sensors located within the HSV110 controller identified in the handle field has reported a voltage that is out of range. The value.ul1 field contains the out of range voltage value. The secondary_id field contains the specific voltage threshold value (i.e., 12V, 5V, 3.3V, 2.5V or 2V). Note that the voltages are expressed in millivolts--e.g., 12.5V is expressed as 12500.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2324	88030914	6	9	14	Storage Cell: %1 Event Code: %2 Description: The state of the Volume identified in the handle field has transitioned to the FAILED state. The value.ul1 field contains the new state: 7 (FAILED). The value.ul2 field contains the old state. The state values that may be found in the value.ul2 fields are as follows: 1 = Normal 2 = Migrating 3 = Missing 4 = Reconstructing 5 = Completing 6 = Reverting
2325	88030915	6	9	15	Storage Cell: %1 Event Code: %2 Description: The state of the HSV110 controller identified in the handle field has transitioned to the FAILED state. The value.ul1 field contains the new state: 3 (FAILED). The value.ul2 field contains the old state: 1 (NORMAL).
2327	88030917	6	9	17	Storage Cell: %1 Event Code: %2 Description: The Battery Present flag for battery assembly '1' located within the HSV110 controller identified in the handle field has changed from PRESENT to NOT PRESENT indicating that the battery assembly was removed. The secondary_id field contains the battery assembly '1' internal identifier value: 1. The value.ul1 field contains the new state of the Battery Present flag: 0 (NOT PRESENT). The value.ul2 field contains the old state of the Battery Present flag: 1 (PRESENT).
2328	88030918	2	9	18	Storage Cell: %1 Event Code: %2 Description: The Battery In Use flag for battery assembly '1' located within the HSV110 controller identified in the handle field has transitioned from the NOT IN USE to IN USE state indicating that the battery assembly is functioning properly. The secondary_id field contains the battery assembly '1' internal identifier value: 1. The value.ul1 field contains the new state of the Battery In Use flag: 1 (IN USE). The value.ul2 field contains the old state of the Battery In Use flag: 0 (NOT IN USE).
2329	88030919	2	9	19	Storage Cell: %1 Event Code: %2 Description: One of the voltage sensors located within the HSV110 controller identified in the handle field has reported a voltage that indicates that a voltage that was previously out of range has returned to the normal range. The value.ul1 field contains the normal range voltage value. The secondary_id field contains the voltage threshold value (i.e., 12V, 5V, 3.3V, 2.5V or 2V). Note that the voltages are expressed in thousands--e.g., 12.5V is expressed as 12500.
2330	8803091a	3	9	1a	Storage Cell: %1 Event Code: %2 Description: The battery assembly voltage regulator located within the HSV110 controller identified in the handle field is offline.
2331	8803091b	2	9	1b	Storage Cell: %1 Event Code: %2 Description: The state of the Disk Group identified in the handle field has transitioned to the NORMAL state. The value.ul1 field contains the new Disk Group state: 1 (NORMAL). The value.ul2 field contains the old Disk Group state. The state values that may be found in the value.ul2 field are as follows: 2 = Disk Group with no redundancy is inoperative 3 = Disk Group with parity redundancy is inoperative 4 = Disk Group with mirrored redundancy is inoperative 5 = Disk Group with no redundancy is inoperative, marked for re-use 6 = Disk Group with parity redundancy is inoperative, marked for re-use 7 = Disk Group with mirrored redundancy is inoperative, marked for re-use
2332	8803091c	2	9	1c	Storage Cell: %1 Event Code: %2 Description: The Occupancy Alarm Level for the Disk Group identified in the handle field has returned to the normal range.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2333	8803091d	6	9	1d	Storage Cell: %1 Event Code: %2 Description: The Battery In Use flag for battery assembly '1' located within the HSV110 controller identified in the handle field has transitioned from the IN USE to NOT IN USE state indicating that the battery assembly has malfunctioned. The secondary_id field contains the battery assembly '1' internal identifier value: 1. The value.ul1 field contains the new state of the Battery In Use flag: 0 (NOT IN USE). The value.ul2 field contains the old state of the Battery In Use flag: 1 (IN USE).
2334	8803091e	2	9	1e	Storage Cell: %1 Event Code: %2 Description: The Battery Present flag for battery assembly '1' located within the HSV110 controller identified in the handle field has changed from NOT PRESENT to PRESENT indicating that the battery assembly was reinstalled. The secondary_id field contains the battery assembly '1' internal identifier value: 1. The value.ul1 field contains the new state of the Battery Present flag: 1 (PRESENT). The value.ul2 field contains the old state of the Battery Present flag: 0 (NOT PRESENT).
2335	8803091f	6	9	1f	Storage Cell: %1 Event Code: %2 Description: The Battery Present flag for battery assembly '2' located within the HSV110 controller identified in the handle field has changed from PRESENT to NOT PRESENT indicating that the battery assembly was removed. The secondary_id field contains the battery assembly '2' internal identifier value: 2. The value.ul1 field contains the new state of the Battery Present flag: 0 (NOT PRESENT). The value.ul2 field contains the old state of the Battery Present flag: 1 (PRESENT).
2336	88030920	2	9	20	Storage Cell: %1 Event Code: %2 Description: The Battery Present flag for battery assembly '2' located within the HSV110 controller identified in the handle field has changed from NOT PRESENT to PRESENT indicating that the battery assembly was reinstalled. The secondary_id field contains the battery assembly '2' internal identifier value: 2. The value.ul1 field contains the new state of the Battery Present flag: 1 (PRESENT). The value.ul2 field contains the old state of the Battery Present flag: 0 (NOT PRESENT).
2337	88030921	2	9	21	Storage Cell: %1 Event Code: %2 Description: The Battery In Use flag for battery assembly '2' located within the HSV110 controller identified in the handle field has transitioned from the NOT IN USE to IN USE state indicating that the battery assembly is functioning properly. The secondary_id field contains the battery assembly '2' internal identifier value: 2. The value.ul1 field contains the new state of the Battery In Use flag: 1 (IN USE). The value.ul2 field contains the old state of the Battery In Use flag: 0 (NOT IN USE).
2338	88030922	6	9	22	Storage Cell: %1 Event Code: %2 Description: The Battery In Use flag for battery assembly '2' located within the HSV110 controller identified in the handle field has transitioned from the IN USE to NOT IN USE state indicating that the battery assembly has malfunctioned. The secondary_id field contains the battery assembly '2' internal identifier value: 2. The value.ul1 field contains the new state of the Battery In Use flag: 0 (NOT IN USE). The value.ul2 field contains the old state of the Battery In Use flag: 1 (IN USE).
2339	88030923	6	9	23	Storage Cell: %1 Event Code: %2 Description: The Blower Present flag for the '2' blower assembly located within the HSV110 controller identified in the handle field has transitioned from the PRESENT to NOT PRESENT state indicating that the blower has been removed. The secondary_id field contains the '2' blower assembly internal identifier value: 2. The value.ul1 field contains the new state of the Blower Present flag: 0 (NOT PRESENT). The value.ul2 field contains the old state of the Blower Present flag: 1 (PRESENT).

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2340	88030924	2	9	24	Storage Cell: %1 Event Code: %2 Description: The Blower Present flag for the '2' blower assembly located within the HSV110 controller identified in the handle field has transitioned from the NOT PRESENT to PRESENT state indicating that the blower has been reinstalled. The secondary_id field contains the '2' blower assembly internal identifier value: 2. The value.ul1 field contains the new state of the Blower Present flag: 1 (PRESENT). The value.ul2 field contains the old state of the Blower Present flag: 0 (NOT PRESENT).
2341	88030925	6	9	25	Storage Cell: %1 Event Code: %2 Description: The '2' blower located within the HSV110 controller identified in the handle field is running slower than the lowest acceptable speed. The secondary_id field contains the '2' blower assembly internal identifier value: 2. The value.ul1 field contains the current speed of the '2' blower. The value.ul2 field contains the lowest acceptable speed for the '2' blower.
2342	88030926	6	9	26	Storage Cell: %1 Event Code: %2 Description: The Blower/Power Supply Present flag for the '1' blower/power supply assembly located within the HSV110 controller identified in the handle field has transitioned from the PRESENT to NOT PRESENT state indicating that the blower/power supply has been removed. The secondary_id field contains the '1' blower/power supply assembly internal identifier value: 1. The value.ul1 field contains the new state of the Blower/Power Supply Present flag: 0 (NOT PRESENT). The value.ul2 field contains the old state of the Blower/Power Supply Present flag: 1 (PRESENT).
2343	88030927	2	9	27	Storage Cell: %1 Event Code: %2 Description: The Blower/Power Supply Present flag for the '1' blower/power supply assembly located within the HSV110 controller identified in the handle field has transitioned from the NOT PRESENT to PRESENT state indicating that the blower/power supply has been reinstalled. The secondary_id field contains the '1' blower/power supply assembly internal identifier value: 1. The value.ul1 field contains the new state of the Blower/Power Supply Present flag: 1 (PRESENT). The value.ul2 field contains the old state of the Blower/Power Supply Present flag: 0 (NOT PRESENT).
2344	88030928	6	9	28	Storage Cell: %1 Event Code: %2 Description: The Blower/Power Supply Present flag for the '2' blower/power supply assembly located within the HSV110 controller identified in the handle field has transitioned from the PRESENT to NOT PRESENT state indicating that the blower/power supply has been removed. The secondary_id field contains the '2' blower/power supply assembly internal identifier value: 2. The value.ul1 field contains the new state of the Blower/Power Supply Present flag: 0 (NOT PRESENT). The value.ul2 field contains the old state of the Blower/Power Supply Present flag: 1 (PRESENT).
2345	88030929	2	9	29	Storage Cell: %1 Event Code: %2 Description: The Blower/Power Supply Present flag for the '2' blower/power supply assembly located within the HSV110 controller identified in the handle field has transitioned from the NOT PRESENT to PRESENT state indicating that the blower/power supply has been reinstalled. The secondary_id field contains the '2' blower/power supply assembly internal identifier value: 2. The value.ul1 field contains the new state of the Blower/Power Supply Present flag: 1 (PRESENT). The value.ul2 field contains the old state of the Blower/Power Supply Present flag: 0 (NOT PRESENT).
2346	8803092a	6	9	2a	Storage Cell: %1 Event Code: %2 Description: The '1' blower/power supply located within the HSV110 controller identified in the handle field is running slower than the lowest acceptable speed. The secondary_id field contains the '1' blower/power supply assembly internal identifier value: 1. The value.ul1 field contains the current speed of the '1' blower/power supply. The value.ul2 field contains the lowest acceptable speed for the '1' blower/power supply.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2347	8803092b	6	9	2b	Storage Cell: %1 Event Code: %2 Description: The '2' blower/power supply located within the HSV110 controller identified in the handle field is running slower than the lowest acceptable speed. The secondary_id field contains the '2' blower/power supply assembly internal identifier value: 2. The value.ul1 field contains the current speed of the '2' blower/power supply. The value.ul2 field contains the lowest acceptable speed for the '2' blower/power supply.
2348	8803092c	3	9	2c	Storage Cell: %1 Event Code: %2 Description: The state of a battery assembly within the HSV110 controller identified in the handle field has transitioned to the Battery System Hold-up Time is zero hours state. The value.ul1 field contains the new state 3: (Battery System Hold-up Time is zero hours). The value.ul2 field contains the old state. The state values that may be found in the value.ul2 field are as follows: 1 = Battery System Hold-up Time is greater than 96 hours 3 = Battery System Hold-up Time is greater than 0 and less than 96 hours
2349	8803092d	6	9	2d	Storage Cell: %1 Event Code: %2 Description: The Resource Availability state of the Volume identified in the handle field has transitioned to the INSUFFICIENT state. The value.ul1 field contains the new state: 1 (INSUFFICIENT). The value.ul2 field contains the old state: 0 (SUFFICIENT).
2350	8803092e	2	9	2e	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field rejected a login attempt. The value.ul1 and value.ul2 fields contain words [0] and [1], respectively, of the World Wide Name of the host adapter that originated the rejected login attempt. The secondary_id field contains the reason for the rejection as follows: 50 = The host is already logged in 101 = Maximum number of logins is exceeded 102 = Invalid cookie was sent 106 = The password is not set on the HSV110 controller
2351	8803092f	2	9	2f	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field processed a StorageCell Management Interface command with the result of non-success return code. The value.ul1 field contains the command type. The value.ul2 field contains the return code.
2352	88030930	2	9	30	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field has updated the physical disk drive map for the loop pair identified in the secondary_id field. The value.ul1 field contains the new internal map generation number. The value.ul2 field contains the old internal map generation number.
2353	88030931	6	9	31	Storage Cell: %1 Event Code: %2 Description: The state of the Physical Disk Drive identified in the handle field has transitioned to the DEGRADED state. The value.ul1 field contains the new state: 2 (DEGRADED). The value.ul2 field contains the old state. The state values that may be in the value.ul2 field are as follows: 1 = Normal 3 = Failed 4 = Not present
2354	88030932	6	9	32	Storage Cell: %1 Event Code: %2 Description: The state of the Physical Disk Drive identified in the handle field has transitioned to the FAILED state. The value.ul1 field contains the new state: 3 (FAILED). The value.ul2 field contains the old state. The state values that may be in the value.ul2 field are as follows: 1 = Normal 2 = Degraded 4 = Not present
2355	88030933	2	9	33	Storage Cell: %1 Event Code: %2 Description: The Derived Unit identified in the handle field was created. The add_handle field contains the identity of the Storage System Virtual Disk that is associated with that Derived Unit. The attribute.value.obj field contains the identity of the Virtual Disk associated with that Derived Unit.
2356	88030934	2	9	34	Storage Cell: %1 Event Code: %2 Description: The internal Logical Disk associated with the Virtual Disk identified in the handle field was created.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2357	88030935	2	9	35	Storage Cell: %1 Event Code: %2 Description: The Disk Group identified in the handle field was created.
2358	88030936	2	9	36	Storage Cell: %1 Event Code: %2 Description: The Physical Disk Drive identified in the handle field was discovered. The enclosure number and bay number where the Physical Disk Drive is located are contained in the attribute.value.u32[0] and attribute.value.u32[1] fields, respectively. The attribute.type field contains the value 1.
2359	88030937	2	9	37	Storage Cell: %1 Event Code: %2 Description: The Presented Unit identified in the handle field was created. The add_handle field contains the identity of the Storage System Virtual Disk that is associated with the Presented Unit. This Presented Unit is associated with the Virtual Disk identified in the attribute.value.obj.handle field.
2360	88030938	2	9	38	Storage Cell: %1 Event Code: %2 Description: The Storage System Host path identified in the handle field was created.
2361	88030939	2	9	39	Storage Cell: %1 Event Code: %2 Description: The Storage System Virtual Disk identified in the handle field was created.
2362	8803093a	2	9	3a	Storage Cell: %1 Event Code: %2 Description: The Volume identified in the handle field was created. The add_handle field contains the identity of the Physical Disk Drive that is associated with the Volume.
2363	8803093b	2	9	3b	Storage Cell: %1 Event Code: %2 Description: The Derived Unit identified in the handle field was deleted. The add_handle field contains the identity of the Storage System Virtual Disk that was associated with the Derived Unit. This Derived Unit is associated with the Virtual Disk identified in the attribute.value.obj.handle field.
2364	8803093c	2	9	3c	Storage Cell: %1 Event Code: %2 Description: The internal Logical Disk associated with the Virtual Disk identified in the handle field was deleted.
2365	8803093d	2	9	3d	Storage Cell: %1 Event Code: %2 Description: The Disk Group identified in the handle field was deleted.
2366	8803093e	6	9	3e	Storage Cell: %1 Event Code: %2 Description: The Physical Disk Drive identified in the handle field has disappeared. The enclosure number and bay number where the Physical Disk Drive was located are contained in the attribute.value.u32[0] and attribute.value.u32[1] fields, respectively. The attribute.type field contains the value 1.
2367	8803093f	2	9	3f	Storage Cell: %1 Event Code: %2 Description: The Presented Unit identified in the handle field was deleted. The add_handle field contains the identity of the Storage System Virtual Disk that was associated with the Presented Unit. This Presented Unit is associated with the Virtual Disk identified in the attribute.value.obj.handle field.
2368	88030940	2	9	40	Storage Cell: %1 Event Code: %2 Description: The Storage System Host path identified in the handle field was deleted.
2369	88030941	2	9	41	Storage Cell: %1 Event Code: %2 Description: The Storage System Virtual Disk identified in the handle field was deleted. The Storage System Virtual Disk is associated with the Virtual Disk identified in the add_handle field.
2370	88030942	6	9	42	Storage Cell: %1 Event Code: %2 Description: The Snapshot Logical Disk identified in the handle field has been marked inoperative due to the Disk Group being out of space for additional storage allocation.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2371	88030943	2	9	43	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field has joined the Storage System. If the handle field is zero, the HSV110 controller identity could not be obtained due to an unexpected state transition.
2372	88030944	6	9	44	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field has left the Storage System. If the handle field is zero, the HSV110 controller identity could not be obtained due to an unexpected state transition.
2373	88030945	2	9	45	Storage Cell: %1 Event Code: %2 Description: The Storage System identified by the handle field was deleted by the HSV110 controller identified in the add_handle field. If the handle field or add_handle field is zero, the corresponding identity could not be obtained due to an unexpected state transition.
2405	88030965	2	9	65	Storage Cell: %1 Event Code: %2 Description: The Host Operating System mode of the Storage System Host identified in the handle field has changed. The old_attr.type and new_attr.type fields contain the value 1. The old_attr.value.u32[0] field contains the old Host Operating System mode. The new_attr.value.u32[0] field contains the new Host Operating System mode. The values that may be found in the old_attr.value.u32[0] and new_attr.value.u32[0] fields are as follows: 0 = Unknown 1 = User defined 2 = Unused 3 = WINNT with SecurePath 4 = VMS 5 = TRU64 UNIX 6 = Sun UNIX 7 = NetWare 8 = HP 9 = IBM 10 = LINUX 11 = SCO UNIX
2406	88030966	2	9	66	Storage Cell: %1 Event Code: %2 Description: Time was set on the Storage System identified in the handle field.
2407	88030967	2	9	67	Storage Cell: %1 Event Code: %2 Description: The LUN of the Presented Unit identified in the handle field has changed. The old_attr.type field and the new_attr.type fields contain the value 1. The old_attr.value.u32[0..1] fields contain the value of the old LUN. The new_attr.value.u32[0..1] fields contain the value of the new LUN. The secondary_id field contains the noid portion of the handle for the Storage System Virtual Disk associated with the Presented Unit. This Presented Unit is associated with the Virtual Disk identified in the add_handle field.
2408	88030968	2	9	68	Storage Cell: %1 Event Code: %2 Description: The Device Addition Policy of the Storage System identified in the handle field has changed. The old_attr.type field and the new_attr.type fields contain the value 1. The old_attr.value.u32[0] field contains the old Device Addition Policy. The new_attr.value.u32[0] field contains the new Device Addition Policy. The policy values that may be found in the old_attr.value.u32[0] and new_attr.value.u32[0] fields are as follows: 1 = Manual policy 2 = Automatic policy
2409	88030969	2	9	69	Storage Cell: %1 Event Code: %2 Description: The Quiescent state of the Storage System Virtual Disk identified in the handle field has changed. The old_attr.type field and the new_attr.type fields contain the value 1. The old_attr.value.u32[0] field contains the old Quiescent state. The new_attr.value.u32[0] field contains the new Quiescent state. The state values that may be found in the old_attr.value.u32[0] and new_attr.value.u32[0] fields are as follows: 0 = FALSE 1 = TRUE This Storage System Virtual Disk is associated with the Virtual Disk identified in the add_handle field.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2410	8803096a	2	9	6a	Storage Cell: %1 Event Code: %2 Description: The Enabled/Disabled state of the Storage System Virtual Disk identified in the handle field has changed. The old_attr.type field and the new_attr.type fields contain the value 1. The old_attr.value.u32[0] field contains the old Enabled/Disabled state. The new_attr.value.u32[0] field contains the new Enabled/Disabled state. The state values that may be found in the old_attr.value.u32[0] and new_attr.value.u32[0] fields are as follows: 1 = Disabled 2 = Enabled This Storage System Virtual Disk is associated with the Virtual Disk identified in the add_handle field.
2411	8803096b	2	9	6b	Storage Cell: %1 Event Code: %2 Description: The Cache Policy of the Storage System Virtual Disk identified in the handle field has changed. The old_attr.type field and the new_attr.type fields contain the value 1. The old_attr.value.u32[0] field contains the old Write Cache Policy. The new_attr.value.u32[0] field contains the new Write Cache Policy. The policy values that may be found in the old_attr.value.u32[0] and new_attr.value.u32[0] fields are as follows: 1 = Writethrough 2 = Writeback The old_attr.value.u32[1] field contains the old Read Cache Policy. The new_attr.value.u32[1] field contains the new Read Cache Policy. The policy values that may be found in the old_attr.value.u32[1] and new_attr.value.u32[1] fields are as follows: 1 = Read cache on 2 = Read cache off The old_attr.value.u32[2] field contains the old Cache Mirroring Policy. The new_attr.value.u32[2] field contains the new Cache Mirroring Policy. The policy values that may be found in the old_attr.value.u32[2] and new_attr.value.u32[2] fields are as follows: 1 = Mirror 2 = No mirror This Storage System Virtual Disk is associated with the Virtual Disk identified in the add_handle field.
2412	8803096c	2	9	6c	Storage Cell: %1 Event Code: %2 Description: The Usage state of the Volume identified in the handle field has changed. The old_attr.value.u32[0] field contains the old Usage state. The new_attr.value.u32[0] field contains the new Usage state. The Usage state values that may be found in the old_attr.value.u32[0] and new_attr.value.u32[0] fields are as follows: 1 = Disk Group 2 = Reserved
2413	8803096d	2	9	6d	Storage Cell: %1 Event Code: %2 Description: The Disk Failure Protection Level of the Disk Group identified in the handle field has changed. The old_attr.type and new_attr.type fields contain the value 1. The old_attr.value.u32[0] field contains the old number of physical disk drives available for use. The new_attr.value.u32[0] field contains the new number of physical disk drives available for use.
2414	8803096e	2	9	6e	Storage Cell: %1 Event Code: %2 Description: The Write Protected state of the Derived Unit identified in the handle field has changed. The secondary_id field contains the noid portion of the handle for the Storage System Virtual Disk associated with the Derived Unit. The old_attr.type field and the new_attr.type fields contain the value 1. The old_attr.value.u32[0] field contains the old Write Protected state. The new_attr.value.u32[0] field contains the new Write Protected state. The Write Protected state values that may be found in the old_attr.value.u32[0] and new_attr.value.u32[0] fields are as follows: 0 = Write protect off 1 = Write protect on This Derived Unit is associated with the Virtual Disk identified in the add_handle field.
2416	88030970	3	9	70	Storage Cell: %1 Event Code: %2 Description: The Physical Disk Drive identified in the handle field has experienced numerous communication failures on a particular Fibre Channel port.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2417	88030971	2	9	71	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field received a request to shutdown. The old_attr.type field and the new_attr.type fields contain the value 1. The old_attr.value.u32[0] field indicates the type of restart that was requested as follows: 0 = None -- no restart 1 = Regular -- full restart, host system connectivity is lost until the controller returns to normal operation 2 = Fast -- resynchronization, restart of the controller in a manner that has little or no impact on host system connectivity The old_attr.value.u32[1] field indicates whether the other HSV110 controller of the pair was requested to remain operational or to also shutdown as follows: 0 = Remain operational 1 = Coupled shutdown The old_attr.value.u32[2] field indicates whether the HSV110 controller was requested to remain in the power on state or power itself off as follows: 0 = Remain in the power on state 1 = Power itself off The old_attr.value.u32[3] field value indicates whether the Physical Disk Drive enclosure(s) was requested to remain in the power on state or to be powered off as follows: 0 = Remain in the power on state 1 = Powered off The old_attr.value.u32[4] field value indicates whether the battery assemblies located within the HSV110 controller were requested to be enabled or disabled as follows: 0 = Enabled 1 = Disabled The old_attr.value.u32[5] field contains the number of seconds the shutdown operation was requested to be delayed.
2418	88030972	2	9	72	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field has completed its shutdown preparations. The old_attr.type field and the new_attr.type fields contain the value 1. The old_attr.value.u32[0] field value indicates the result of the HSV110 controller Cache Memory shutdown operation as follows: 1 = Success 2 = Failure 3 = Not applicable The old_attr.value.u32[1] field contains the internal Storage System Management Interface cache shutdown status code. The old_attr.value.u32[2] field value indicates the result of the Physical Disk Drive enclosure(s) power off operation as follows: 1 = Success 2 = Failure 3 = Not applicable The old_attr.value.u32[3] field contains the internal Storage System Management Interface Physical Disk Drive enclosure(s) power off status code. The old_attr.value.u32[4] field value indicates the result of the battery assemblies disable operation as follows: 1 = Success 2 = Failure 3 = Not applicable <P> The old_attr.value.u32[5] field value indicates the battery assemblies disable operation failure mode as follows: 0 = No failure indicated. 1 = Failed only on the HSV110 controller identified in the handle field. 2 = Failed only on the other HSV110 controller of the pair. 3 = Failed on both HSV110 controllers.
2504	880309c8	6	9	c8	Storage Cell: %1 Event Code: %2 Description: The Data Availability state of the internal Logical Disk associated with the Virtual Disk identified in the handle field has transitioned to the DATA LOST state. The value.ul1 field contains the new state: 1 (DATA LOST). The value.ul2 field contains the old state: 0 (NORMAL).
2505	880309c9	6	9	c9	Storage Cell: %1 Event Code: %2 Description: The state of the Disk Group identified in the handle field has transitioned to an INOPERATIVE state. The value.ul1 field contains the new Disk Group state. The value.ul2 field contains the old Disk Group state. The state values that may be found in the value.ul1 and value.ul2 fields are as follows: 1 = Normal 2 = Disk Group with no redundancy is inoperative 3 = Disk Group with parity redundancy is inoperative 4 = Disk Group with mirrored redundancy is inoperative 5 = Disk Group with no redundancy is inoperative, marked for re-use 6 = Disk Group with parity redundancy is inoperative, marked for re-use 7 = Disk Group with mirrored redundancy is inoperative, marked for re-use

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2506	880309ca	6	9	ca	Storage Cell: %1 Event Code: %2 Description: The state of the internal Logical Disk associated with the Virtual Disk identified in the handle field has transitioned to the FAILED state. The value.ul1 field contains the new state: 5 (FAILED). The value.ul2 field contains the old state. The state values that may be found in the value.ul2 field are as follows: 1 = Normal 2 = Replacement delay in progress 3 = Redundancy lost, restore in progress 4 = Redundancy lost, restore stalled 6 = Creation in progress 7 = Snapshot is inoperative due to lack of snapshot space 8 = Deletion in progress 9 = Capacity change in progress 10 = Inoperative due to data lost
2507	880309cb	6	9	cb	Storage Cell: %1 Event Code: %2 Description: The state of the internal Logical Disk associated with the Virtual Disk identified in the handle field has transitioned to the SNAPSHOT OVERCOMMIT state. The value.ul1 field contains the new state: 7 (SNAPSHOT OVERCOMMIT). The value.ul2 field contains the old state. The state values that may be found in the value.ul2 field are as follows: 1 = Normal 2 = Replacement delay in progress 3 = Redundancy lost, restore in progress 4 = Redundancy lost, restore stalled 5 = Failed 6 = Creation in progress 8 = Deletion in progress 9 = Capacity change in progress 10 = Inoperative due to device data lost
2508	880309cc	6	9	cc	Storage Cell: %1 Event Code: %2 Description: The state of the internal Logical Disk associated with the Virtual Disk identified in the handle field has transitioned to the DEVICE DATA LOST state. The value.ul1 field contains the new state: 10 (DEVICE DATA LOST). The value.ul2 field contains the old state. The state values that may be found in the value.ul2 field are as follows: 1 = Normal 2 = Replacement delay in progress 3 = Redundancy lost restore, in progress 4 = Redundancy lost restore, stalled 5 = Failed 6 = Creation in progress 7 = Snapshot is inoperative due to lack of snapshot space 8 = Deletion in progress 9 = Capacity change in progress
2509	880309cd	6	9	cd	Storage Cell: %1 Event Code: %2 Description: The state of the Fibre Channel port identified in the attribute.value.str field and located on the rear panel of the HSV110 controller identified in the handle field has transitioned to the FAILED state. The attribute.type field contains the value 4. The value.ul1 field contains the new state: 2 (FAILED). The value.ul2 field contains the old state: 1 (NORMAL). Note that the HSV110 controller's internal identity of the affected Fibre Channel port is contained in the secondary_id field.
2510	880309ce	2	9	ce	Storage Cell: %1 Event Code: %2 Description: The state of the Disk Group identified in the handle field has transitioned to an INOPERATIVE MARKED state. The value.ul1 field contains the new Disk Group state. The value.ul2 field contains the old Disk Group state. The state values that may be found in the value.ul1 and value.ul2 fields are as follows: 1 = Normal 2 = Disk Group with no redundancy is inoperative 3 = Disk Group with parity redundancy is inoperative 4 = Disk Group with mirrored redundancy is inoperative 5 = Disk Group with no redundancy is inoperative, marked for re-use 6 = Disk Group with parity redundancy is inoperative, marked for re-use 7 = Disk Group with mirrored redundancy is inoperative, marked for re-use
2511	880309cf	3	9	cf	Storage Cell: %1 Event Code: %2 Description: The state of the Physical Disk Drive identified in the handle field has transitioned to the NOT PRESENT state. The value.ul1 field contains the new state: 4 (NOT PRESENT). The value.ul2 field contains the old state. The state values that may be in the value.ul2 field are as follows: 1 = Normal 2 = Degraded 3 = Failed
2512	880309d0	2	9	d0	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field no longer needs attention.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
2513	880309d1	6	9	d1	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified in the handle field needs attention.
2514	880309d2	6	9	d2	Storage Cell: %1 Event Code: %2 Description: The Blower Present flag for the '1' blower assembly located within the HSV110 controller identified in the handle field has transitioned from the PRESENT to NOT PRESENT state indicating that the blower has been removed. The secondary_id field contains the '1' blower assembly internal identifier value: 1. The value.ul1 field contains the new state of the Blower Present flag: 0 (NOT PRESENT). The value.ul2 field contains the old state of the Blower Present flag: 1 (PRESENT).
2816	88030b00	2	b	0	Storage Cell: %1 Event Code: %2 Description: The HSV110 controller identified by the node_name field has begun a resynchronization operation (i.e., a restart of the controllers in a manner that has little or no impact on host system connectivity). The information.pc field contains the program counter of resynchronization operation initiator. The information.flags field contains reboot flags value. The information.code field contains the resynchronization operation event code value.
3072	88030c00	2	c	0	Storage Cell: %1 Event Code: %2 Description: The specified destination virtual disk has successfully completed a full copy. The following fields are not valid: status, blocks, vda.
3073	88030c01	6	c	1	Storage Cell: %1 Event Code: %2 Description: The specified source virtual disk has transitioned to the logging state, because the alternate site is not accessible or the DRM group is suspended. The following fields are not valid: status, blocks, vda, port, side.
3074	88030c02	6	c	2	Storage Cell: %1 Event Code: %2 Description: The specified source virtual disk has transitioned to the logging state, because the destination virtual disk is not accessible. The following fields are not valid: status, blocks, vda, port, side.
3076	88030c04	6	c	4	Storage Cell: %1 Event Code: %2 Description: The specified source virtual disk has been forced inoperative due to a failsafe locked condition. Either the destination is not accessible or a member virtual disk in the group has gone inoperative. The following fields are not valid: status, blocks, vda, port, side.
3077	88030c05	6	c	5	Storage Cell: %1 Event Code: %2 Description: The specified source virtual disk has been forced inoperative due to a failsafe locked condition. Either the destination is not accessible or a member virtual disk in the group has gone inoperative. The following fields are not valid: status, blocks, vda, port, side.
3078	88030c06	6	c	6	Storage Cell: %1 Event Code: %2 Description: An unrecoverable read error occurred on the specified source virtual disk during the full copy. The virtual disk address (vda) specified indicates the first block in error. The full copy was terminated.
3079	88030c07	6	c	7	Storage Cell: %1 Event Code: %2 Description: A full copy terminated prior to completion. A remote copy error occurred, due to an inaccessible alternate site. The virtual disk address specified indicates the first block in error. The full copy will continue when the destination is restored.
3080	88030c08	6	c	8	Storage Cell: %1 Event Code: %2 Description: A full copy terminated prior to completion. A remote copy error occurred, due to an inaccessible destination virtual disk. The virtual disk address specified indicates the first block in error. The full copy will continue when the destination is restored.
3081	88030c09	6	c	9	Storage Cell: %1 Event Code: %2 Description: The specified log logical disk has been reset due to insufficient storage space. The destination has been marked for a full copy. The following fields are not valid: status, blocks, vda, port, side.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
3082	88030c0a	2	c	a	Storage Cell: %1 Event Code: %2 Description: The specified log logical disk has been reset due to site failover. The following fields are not valid: status, blocks, vda.
3084	88030c0c	2	c	c	Storage Cell: %1 Event Code: %2 Description: The specified destination virtual disk has successfully completed a merge. The following fields are not valid: status, blocks, vda.
3087	88030c0f	2	c	f	Storage Cell: %1 Event Code: %2 Description: The specified virtual disk is no longer failsafe locked. The following fields are not valid: status, blocks, vda, port, side.
3088	88030c10	2	c	10	Storage Cell: %1 Event Code: %2 Description: The specified destination virtual disk has been marked for a full copy. The following fields are not valid: status, blocks, vda.
3089	88030c11	2	c	11	Storage Cell: %1 Event Code: %2 Description: This site has just discovered that a site failover has taken place. This group is transitioning from a source role to a destination role. The following fields are not valid: status, blocks, vda.
3090	88030c12	2	c	12	Storage Cell: %1 Event Code: %2 Description: This site has just discovered that a site failover has taken place. This group is transitioning from a destination role to a source role. The following fields are not valid: status, blocks, vda.
3092	88030c14	6	c	14	Storage Cell: %1 Event Code: %2 Description: The specified destination DRM group was not found. The destination group appears to have been deleted by the user after a site failover, therefore this dangling DRM source group should likewise be deleted.
3328	88030d00	6	d	0	Storage Cell: %1 Event Code: %2 Description: Unrecognized event reported by a Drive Enclosure Environmental Monitoring Unit. The event was reported by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The content of the alarm_error_code field could not be translated into a known event.
3329	88030d01	6	d	1	Storage Cell: %1 Event Code: %2 Description: A physical disk drive that is not Fibre Channel compatible or cannot operate at the link rate established by the drive enclosure I/O modules was detected. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field during spin up of the physical disk drive installed in the drive enclosure bay identified in the alarm_error_code.field.en field. The rack_num field will not be valid until a future release.
3330	88030d02	3	d	2	Storage Cell: %1 Event Code: %2 Description: A physical disk drive is improperly installed or missing. This could affect the drive enclosure air flow and cause an over temperature condition. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The affected drive enclosure bay is identified in the alarm_error_code.field.en field.
3331	88030d03	3	d	3	Storage Cell: %1 Event Code: %2 Description: A physical disk drive was removed while software-activated drive locking was enabled on a drive enclosure that does not support drive locking. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The affected drive enclosure bay is identified in the alarm_error_code.field.en field.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
3332	88030d04	6	d	4	Storage Cell: %1 Event Code: %2 Description: A physical disk drive that is capable of operating at the loop link rate established by the drive enclosure I/O module was found to be running at a different rate. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The affected physical disk drive is installed in the drive enclosure bay identified in the alarm_error_code.field.en field. The Fibre Channel loop on which the problem was detected is identified by the content of the alarm_error_code.field.ec field as follows: 4 = loop A 5 = loop B
3379	88030d33	3	d	33	Storage Cell: %1 Event Code: %2 Description: The AC input to a drive enclosure power supply has been lost. This makes the remaining power supply a single point of failure. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the affected power supply (1 or 2) is identified in the alarm_error_code.field.en field.
3380	88030d34	6	d	34	Storage Cell: %1 Event Code: %2 Description: A drive enclosure power supply is improperly installed or missing. This could affect the drive enclosure air flow and cause an over temperature condition. The operational power supply will automatically shut down after a short period of time, thereby disabling the drive enclosure. This condition remains active until either the problem is corrected, or the operational power supply shuts down, whichever occurs first. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the affected power supply (1 or 2) is identified in the alarm_error_code.field.en field.
3381	88030d35	6	d	35	Storage Cell: %1 Event Code: %2 Description: A drive enclosure power supply component has failed. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the affected power supply (1 or 2) is identified in the alarm_error_code.field.en field.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
3399	88030d47	6	d	47	Storage Cell: %1 Event Code: %2 Description: A drive enclosure blower is not operating properly. This could affect the drive enclosure air flow and cause an over temperature condition. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the affected blower (1 or 2) is identified in the alarm_error_code.field.en field. The cause of the improper operation is described by the content of the alarm_error_code.field.ec field as follows: 1 = The blower is operating at a speed that is outside of the Drive Enclosure Environmental Monitoring Unit specified range, possibly because of a bearing problem. 2 = The blower is operating at a speed that is significantly outside of the Drive Enclosure Environmental Monitoring Unit specified range, possibly because of a bearing problem. 3 = The blower has stopped. NOTE: The other blower (if operational) now operates at high speed and is a single point of failure. A single blower operating at high speed can provide sufficient air flow to cool an enclosure and the elements for up to 100 hours. However, operating an enclosure at temperatures approaching an overheating threshold can damage elements and may reduce the MTBF of a specific element. Compaq therefore recommends immediate replacement of the defective blower. 4 = The power supply reported an internal blower error.
3403	88030d4b	6	d	4b	Storage Cell: %1 Event Code: %2 Description: A drive enclosure blower is improperly installed or missing. This affects the drive enclosure air flow and can cause an over temperature condition. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the affected blower (1 or 2) is identified in the alarm_error_code.field.en field.
3404	88030d4c	6	d	4c	Storage Cell: %1 Event Code: %2 Description: Both drive enclosure blowers are missing. This severely affects the drive enclosure air flow and can cause an over temperature condition. The operational power supply(s) will automatically shut down after a short period of time, thereby disabling the drive enclosure. This condition remains active until either the problem is corrected, or the operational power supply(s) shut down, whichever occurs first. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. Note that this event is preceded by a 'drive enclosure blower is improperly installed or missing' event that identifies the location of the first missing blower. The location of the second missing blower (1 or 2) is identified in the alarm_error_code.field.en field of this event.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
3419	88030d5b	3	d	5b	Storage Cell: %1 Event Code: %2 Description: A drive enclosure temperature sensor out of range condition has been reported by one of the drive enclosure elements. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the temperature sensor (1 through 11) is identified in the alarm_error_code.field.en field as follows: 1 = Power Supply 1 Exhaust 2 = Power Supply 2 Exhaust 3 = Drive Enclosure Environmental Monitoring Unit 4 = Drive Bay 1 5 = Drive Bay 2 6 = Drive Bay 3 7 = Drive Bay 4 8 = Drive Bay 5 9 = Drive Bay 6 A = Drive Bay 7 B = Drive Bay 8 C = Drive Bay 9 D = Drive Bay 10 E = Drive Bay 11 F = Drive Bay 12 10 = Drive Bay 13 11 = Drive Bay 14 The temperature sensor out of range condition is described by the content of the alarm_error_code.field.ec field as follows: 1 = The element temperature is approaching, but has not reached, the high temperature CRITICAL threshold. Continued operation under these conditions may result in a CRITICAL condition and may reduce an element's MTBF. 2 = The element temperature is above the high temperature CRITICAL threshold. Continued operation under these conditions may result in element failure. 3 = The element temperature is approaching, but has not reached, the low temperature CRITICAL threshold. Continued operation under these conditions may result in a CRITICAL condition and may reduce an element's MTBF. 4 = The element temperature has reached the low temperature CRITICAL threshold. Continued operation under these conditions may result in element failure. The actual temperature threshold values can be found in the HSV element manager GUI.
3423	88030d5f	6	d	5f	Storage Cell: %1 Event Code: %2 Description: The average temperature of two of the three temperature sensor groups (i.e., Drive Enclosure Environmental Monitoring Unit, Disk Drives, and Power Supplies) exceeds the CRITICAL level. The operational power supply(s) will automatically shut down after a short period of time, thereby disabling the drive enclosure. This condition remains active until either the problem is corrected, or the operational power supply(s) shut down, whichever occurs first. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. Note that in this case the content of the alarm_error_code.field.en field is undefined. The actual temperature threshold values can be found in the HSV element manager GUI.
3439	88030d6f	3	d	6f	Storage Cell: %1 Event Code: %2 Description: An internal Drive Enclosure Environmental Monitoring Unit error has occurred. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the Drive Enclosure Environmental Monitoring Unit is the affected element. The cause of the improper operation is described by the content of the alarm_error_code.field.ec field as follows: 1 = An internal Drive Enclosure Environmental Monitoring Unit clock error has occurred. 2 = The Inter-IC (I2C) bus is not processing data and the Drive Enclosure Environmental Monitoring Unit is unable to monitor or report the status of the elements or enclosures. 5 = A Backplane NVRAM error has occurred.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
3441	88030d71	2	d	71	Storage Cell: %1 Event Code: %2 Description: An internal Drive Enclosure Environmental Monitoring Unit error has occurred. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the Drive Enclosure Environmental Monitoring Unit is the affected element. The cause of the improper operation is described by the content of the alarm_error_code.field.ec field as follows: 3 = A drive enclosure power supply was shut down. 16 = The Drive Enclosure Environmental Monitoring Unit ESI data has been corrupted.
3442	88030d72	3	d	72	Storage Cell: %1 Event Code: %2 Description: A Drive Enclosure Environmental Monitoring Unit is unable to collect data for the SCSI-3 Engineering Services (SES) page. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the Drive Enclosure Environmental Monitoring Unit is the affected element.
3454	88030d7e	3	d	7e	Storage Cell: %1 Event Code: %2 Description: Invalid data was read from a Drive Enclosure Environmental Monitoring Unit NVRAM. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the Drive Enclosure Environmental Monitoring Unit is the affected element.
3455	88030d7f	3	d	7f	Storage Cell: %1 Event Code: %2 Description: An internal Drive Enclosure Environmental Monitoring Unit error has occurred. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the Drive Enclosure Environmental Monitoring Unit is the affected element. The cause of the improper operation is described by the content of the alarm_error_code.field.ec field as follows: 11 = The Drive Enclosure Environmental Monitoring Unit cannot write data to the NVRAM. 12 = The Drive Enclosure Environmental Monitoring Unit cannot read data from the NVRAM. 13 = The Field Programmable Gate Array (FPGA) that controls the ESI bus failed to load information required for Drive Enclosure Environmental Monitoring Unit operation.
3458	88030d82	3	d	82	Storage Cell: %1 Event Code: %2 Description: A drive enclosure's address is incorrect or the enclosure has no address. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the denc_l_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the Drive Enclosure Environmental Monitoring Unit is the affected element.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
3459	88030d83	6	d	83	Storage Cell: %1 Event Code: %2 Description: A Drive Enclosure Environmental Monitoring Unit has experienced a hardware failure. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the Drive Enclosure Environmental Monitoring Unit is the affected element.
3461	88030d85	3	d	85	Storage Cell: %1 Event Code: %2 Description: A drive enclosure power supply failed to respond to a shut down command. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the Drive Enclosure Environmental Monitoring Unit is the affected element.
3469	88030d8d	6	d	8d	Storage Cell: %1 Event Code: %2 Description: A drive enclosure transceiver error has been detected. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the transceiver (1 through 4) is identified in the alarm_error_code.field.en field as follows: 1 = Transceiver 01 2 = Transceiver 02 3 = Transceiver 03 4 = Transceiver 04 The transceiver error condition is described by the content of the alarm_error_code.field.ec field as follows: 1 = The transceivers on this link are not the same type or they are incompatible with the drive enclosure I/O module. This error prevents the controller from establishing a link with the enclosure drives and eliminates the enclosure dual-loop capability. 2 = The transceiver can no longer detect a data signal. This error prevents the controller from transferring data on a loop and eliminates the enclosure dual-loop capability. 3 = The system has detected an FC-AL bus fault involving a transceiver. This error prevents the controller from transferring data on a loop and eliminates the enclosure dual-loop capability.
3489	88030da1	6	d	a1	Storage Cell: %1 Event Code: %2 Description: A drive enclosure power supply voltage sensor out of range condition has been reported. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the voltage sensor (1 through 4) is identified in the alarm_error_code.field.en field as follows: 1 = Power Supply 1 +5 VDC 2 = Power Supply 1 +12 VDC 3 = Power Supply 2 +5 VDC 4 = Power Supply 2 +12 VDC The voltage sensor out of range condition is described by the content of the alarm_error_code.field.ec field as follows: 1 = The element voltage is approaching, but has not reached, the high voltage CRITICAL threshold. Continued operation under these conditions may result in a CRITICAL condition. 2 = The element voltage is above the high voltage CRITICAL threshold. 3 = The element voltage is approaching, but has not reached, the low voltage CRITICAL threshold. Continued operation under these conditions may result in a CRITICAL condition. 4 = The element voltage has reached the low voltage CRITICAL threshold.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
3509	88030db5	6	d	b5	Storage Cell: %1 Event Code: %2 Description: A drive enclosure power supply current sensor out of range condition has been reported. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the current sensor (1 through 4) is identified in the alarm_error_code.field.en field as follows: 1 = Power Supply 1 +5 VDC 2 = Power Supply 1 +12 VDC 3 = Power Supply 2 +5 VDC 4 = Power Supply 2 +12 VDC The current sensor out of range condition is described by the content of the alarm_error_code.field.ec field as follows: 1 = The element current is approaching, but has not reached, the high current CRITICAL threshold. Continued operation under these conditions may result in a CRITICAL condition. 2 = The element current is above the high current CRITICAL threshold.
3544	88030dd8	3	d	d8	Storage Cell: %1 Event Code: %2 Description: A drive enclosure backplane invalid NVRAM read error has occurred. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the drive enclosure is the affected element.
3545	88030dd9	6	d	d9	Storage Cell: %1 Event Code: %2 Description: A drive enclosure backplane error has occurred. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The alarm_error_code.field.en field contains the value 1 signifying that the drive enclosure is the affected element. The cause of the improper operation is described by the content of the alarm_error_code.field.ec field as follows: 11 = Unable to write data to the NVRAM. This problem prevents communication between elements in the enclosure. 12 = Unable to read data from the NVRAM. This problem prevents communication between elements in the enclosure. 13 = NVRAM has not been initialized properly. This is a manufacturing error.
3549	88030ddd	6	d	dd	Storage Cell: %1 Event Code: %2 Description: A drive enclosure I/O module error has occurred. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the I/O module (A (01) and B (02)) is identified in the alarm_error_code.field.en field. The cause of the improper operation is described by the content of the alarm_error_code.field.ec field as follows: 1 = The I/O module's Fibre Channel link speed is not supported by the backplane. This error prevents the controller from establishing a link with enclosure drives and eliminates the enclosure dual-loop capability. 11 = Unable to write data to the I/O module NVRAM. 12 = Unable to read data from the I/O module NVRAM.
3550	88030dde	3	d	de	Storage Cell: %1 Event Code: %2 Description: A drive enclosure I/O module is unable to communicate with the Drive Enclosure Environmental Monitoring Unit. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencl_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the I/O module (A (01) and B (02)) is identified in the alarm_error_code.field.en field.

Table 8: HSV Element Manager Event Codes: Controller Events (Continued)

Event ID	Event Code	Severity	SWC ID	Evt. No.	Description
3564	88030dec	3	d	ec	Storage Cell: %1 Event Code: %2 Description: A drive enclosure I/O module invalid NVRAM read error has occurred. This problem was detected by the Drive Enclosure Environmental Monitoring Unit located in the drive enclosure identified in the dencd_num field within the rack identified in the rack_num field. The rack_num field will not be valid until a future release. The location of the I/O module (A (01) or B (02)) is identified in the alarm_error_code.field.en field.
3568	88030df0	2	d	f0	Storage Cell: %1 Event Code: %2 Description: The status has changed on one or more of the drive enclosures. This is an informational event triggered by the occurrence of a change in the status of a drive enclosure. The content of the alarm_error_code field, drive enclosure, and rack number have no meaning for this event.
16896	88034200	2	42	0	Storage Cell: %1 Event Code: %2 Description: Indicated Host Fibre Channel port transitioned to link down.
16897	88034201	2	42	1	Storage Cell: %1 Event Code: %2 Description: Indicated Host Fibre Channel port transitioned to link failed.
16899	88034203	2	42	3	Storage Cell: %1 Event Code: %2 Description: An excessive number of link errors were detected on a Fibre Channel port. The error counters are checked every hour. This is an informational event that reports all link status errors detected by the Tachyon chip, triggered by an excessive number detected in one category.
16900	88034204	3	42	4	Storage Cell: %1 Event Code: %2 Description: A Fibre Channel port on the HSV110 controller has failed to respond. The evt_peq.peb field contains port event information. The evt_peq.peq_frz_prod_index field contains the index to the port event block that points to when the Tachyon chip entered the frozen state. The evt_peq.peq_prod_index field contains the index to the next port event block. The evt_peq.peq_cons_index field contains the index to the next port event block to be acted upon.
33536	88038300	6	83	0	Storage Cell: %1 Event Code: %2 Description: A failure was detected during the execution of this HSV110 controller's on board diagnostics.

Management Agent Events

Table 9 shows events generated by the HSV Management Agent, which are logged in the Storage Management Appliance Event Log. The Event Number (Evt. No.) codes can be used to correlate events recorded in the Management Agent Event Log of the HSV Element Manager with the events logged in the Storage Management Appliance Event Log.

Table 9: HSV Element Manager Event Codes: Management Agent Events

Event ID	Event Code	Severity	Evt. No.	Description
20000	88034e20	3	0	Storage Cell: %1 Unhandled Management event generated. Event Code: %2 Description: %3
20001	88034e21	2	1	Storage Cell: %1 SCMI Object Already Exists Event Code: %2 Description: %3
20002	88034e22	2	2	Storage Cell: %1 SCMI Supplied Buffer Too Small Event Code: %2 Description: %3
20003	88034e23	2	3	Storage Cell: %1 SCMI Object Already Assigned Event Code: %2 Description: %3
20004	88034e24	6	4	Storage Cell: %1 SCMI Insufficient Available Data Storage Event Code: %2 Description: %3
20005	88034e25	3	5	Storage Cell: %1 SCMI Internal Error Event Code: %2 Description: %3
20006	88034e26	2	6	Storage Cell: %1 SCMI Invalid Cell Status for Logical Disk Event Code: %2 Description: %3
20007	88034e27	2	7	Storage Cell: %1 SCMI Invalid Class Event Code: %2 Description: %3
20008	88034e28	2	8	Storage Cell: %1 SCMI Invalid Function Event Code: %2 Description: %3
20009	88034e29	2	9	Storage Cell: %1 SCMI Invalid Logical Disk Block State Event Code: %2 Description: %3
20010	88034e2a	2	10	Storage Cell: %1 SCMI Invalid Loop Configuration Event Code: %2 Description: %3
20011	88034e2b	2	11	Storage Cell: %1 SCMI Invalid Parameter Event Code: %2 Description: %3
20012	88034e2c	2	12	Storage Cell: %1 SCMI Invalid Parameter handle Event Code: %2 Description: %3
20013	88034e2d	2	13	Storage Cell: %1 SCMI Invalid Parameter Id Event Code: %2 Description: %3
20014	88034e2e	2	14	Storage Cell: %1 SCMI Invalid Quorum Configuration Event Code: %2 Description: %3
20015	88034e2f	2	15	Storage Cell: %1 SCMI Invalid Target Handle Event Code: %2 Description: %3
20016	88034e30	2	16	Storage Cell: %1 SCMI Invalid Target Id Event Code: %2 Description: %3
20017	88034e31	2	17	Storage Cell: %1 SCMI Invalid Time Event Code: %2 Description: %3
20018	88034e32	3	18	Storage Cell: %1 SCMI Media is Inaccessible Event Code: %2 Description: %3
20019	88034e33	3	19	Storage Cell: %1 SCMI No Fibre Channel Port Event Code: %2 Description: %3
20020	88034e34	2	20	Storage Cell: %1 SCMI No Image Event Code: %2 Description: %3
20021	88034e35	2	21	Storage Cell: %1 SCMI No Permission Event Code: %2 Description: %3
20022	88034e36	2	22	Storage Cell: %1 SCMI Storage system not initialized Event Code: %2 Description: %3
20023	88034e37	2	23	Storage Cell: %1 SCMI Not a Loop Port Event Code: %2 Description: %3
20024	88034e38	2	24	Storage Cell: %1 SCMI Not a Participating Controller Event Code: %2 Description: %3
20025	88034e39	2	25	Storage Cell: %1 SCMI Object is in Use Event Code: %2 Description: %3
20026	88034e3a	2	26	Storage Cell: %1 SCMI Parameter Object Does Not Exist Event Code: %2 Description: %3
20027	88034e3b	2	27	Storage Cell: %1 SCMI Target Object Does Not Exist Event Code: %2 Description: %3
20028	88034e3c	2	28	Storage Cell: %1 SCMI Timeout Event Code: %2 Description: %3
20029	88034e3d	2	29	Storage Cell: %1 SCMI Unknown Id Event Code: %2 Description: %3
20030	88034e3e	2	30	Storage Cell: %1 SCMI Unknown Parameter Handle Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
20031	88034e3f	2	31	Storage Cell: %1 SCMI Unrecoverable Media Error Event Code: %2 Description: %3
20032	88034e40	2	32	Storage Cell: %1 SCMI Invalid State Event Code: %2 Description: %3
20033	88034e41	3	33	Storage Cell: %1 SCMI Transport Error Event Code: %2 Description: %3
20034	88034e42	3	34	Storage Cell: %1 SCMI Volume is Missing Event Code: %2 Description: %3
20035	88034e43	2	35	Storage Cell: %1 SCMI Invalid Cursor Event Code: %2 Description: %3
20036	88034e44	2	36	Storage Cell: %1 SCMI Invalid Target Logical Disk Event Code: %2 Description: %3
20037	88034e45	2	37	Storage Cell: %1 SCMI No More Events Event Code: %2 Description: %3
20038	88034e46	2	38	Storage Cell: %1 SCMI Lock Busy Event Code: %2 Description: %3
20039	88034e47	2	39	Storage Cell: %1 SCMI Time Not Set Event Code: %2 Description: %3
20040	88034e48	2	40	Storage Cell: %1 SCMI Not a Supported Version Event Code: %2 Description: %3
20041	88034e49	2	41	Storage Cell: %1 SCMI No Logical Disk for StorageCell Virtual Disk Event Code: %2 Description: %3
20042	88034e4a	2	42	Storage Cell: %1 SCMI Logical disk Presented Event Code: %2 Description: %3
20043	88034e4b	3	43	Storage Cell: %1 SCMI Operation Denied On Slave Event Code: %2 Description: %3
20044	88034e4c	2	44	Storage Cell: %1 SCMI Not DRM Licensed Event Code: %2 Description: %3
20045	88034e4d	2	45	Storage Cell: %1 SCMI Not DRM Member Event Code: %2 Description: %3
20046	88034e4e	2	46	Storage Cell: %1 SCMI Invalid DRM Mode Event Code: %2 Description: %3
20047	88034e4f	2	47	Storage Cell: %1 SCMI Invalid DRM State Event Code: %2 Description: %3
20048	88034e50	2	48	Storage Cell: %1 Security credentials needed. Please update your system's ID and password in the Storage System Access menu. Event Code: %2 Description: %3
20049	88034e51	2	49	Storage Cell: %1 Security credentials supplied were invalid. Please update your system's ID and password in the Storage System Access menu. Event Code: %2 Description: %3
20050	88034e52	2	50	Storage Cell: %1 SCMI Already Logged In Event Code: %2 Description: %3
20051	88034e53	3	51	Storage Cell: %1 SCMI Cell Connection Down Event Code: %2 Description: %3
20052	88034e54	2	52	Storage Cell: %1 SCMI DRM Group Empty Event Code: %2 Description: %3
20053	88034e55	2	53	Storage Cell: %1 SCMI Incompatible Attribute Event Code: %2 Description: %3
20054	88034e56	2	54	Storage Cell: %1 SCMI Is Drm Member Event Code: %2 Description: %3
20055	88034e57	2	55	Storage Cell: %1 SCMI Is Log Unit Event Code: %2 Description: %3
20056	88034e58	2	56	Storage Cell: %1 SCMI No Destination DRM Group Specified Event Code: %2 Description: %3
20057	88034e59	2	57	Storage Cell: %1 SCMI Not Presented Event Code: %2 Description: %3
20058	88034e5a	3	58	Storage Cell: %1 SCMI Other Nsc Failed Event Code: %2 Description: %3
20059	88034e5b	2	59	Storage Cell: %1 SCMI Max Objects Event Code: %2 Description: %3
20060	88034e5c	2	60	Storage Cell: %1 SCMI Max Size Event Code: %2 Description: %3
20061	88034e5d	2	61	Storage Cell: %1 SCMI Password Mismatch Event Code: %2 Description: %3
20062	88034e5e	2	62	Storage Cell: %1 SCMI Is Merging Event Code: %2 Description: %3
20063	88034e5f	2	63	Storage Cell: %1 SCMI Is Logging Event Code: %2 Description: %3
20064	88034e60	2	64	Storage Cell: %1 SCMI Is Suspended Event Code: %2 Description: %3
20065	88034e61	2	65	Storage Cell: %1 SCMI Bad Image Header Event Code: %2 Description: %3
20066	88034e62	2	66	Storage Cell: %1 SCMI Bad Image Event Code: %2 Description: %3
20067	88034e63	2	67	Storage Cell: %1 SCMI Image Too Large Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
20068	88034e64	2	68	Storage Cell: %1 SCMI EMU Not Available Event Code: %2 Description: %3
20069	88034e65	2	69	Storage Cell: %1 SCMI EMU Indefinite Delay Event Code: %2 Description: %3
20070	88034e66	2	70	Storage Cell: %1 SCMI Image Incompatible Event Code: %2 Description: %3
20071	88034e67	2	71	Storage Cell: %1 SCMI Bad Image Segment Event Code: %2 Description: %3
20072	88034e68	2	72	Storage Cell: %1 SCMI Image Already Loaded Event Code: %2 Description: %3
20073	88034e69	2	73	Storage Cell: %1 SCMI Image Write Error Event Code: %2 Description: %3
20074	88034e6a	2	74	Storage Cell: %1 SCMI Logical Disk Sharing Event Code: %2 Description: %3
20075	88034e6b	2	75	Storage Cell: %1 SCMI Bad Image Size Event Code: %2 Description: %3
20076	88034e6c	2	76	Storage Cell: %1 SCMI Image Load Busy Event Code: %2 Description: %3
20077	88034e6d	6	77	Storage Cell: %1 SCMI Volume Failure Predicted Event Code: %2 Description: %3
20078	88034e6e	2	78	Storage Cell: %1 SCMI Invalid Object Condition Event Code: %2 Description: %3
20079	88034e6f	2	79	Storage Cell: %1 SCMI Invalid Predecessor Virtual Disk Condition Event Code: %2 Description: %3
20080	88034e70	2	80	Storage Cell: %1 SCMI Invalid Volume Usage Event Code: %2 Description: %3
20081	88034e71	2	81	Storage Cell: %1 SCMI Minimum Volumes In Disk Group Event Code: %2 Description: %3
20082	88034e72	2	82	Storage Cell: %1 SCMI Shutdown In Progress Event Code: %2 Description: %3
20083	88034e73	2	83	Storage Cell: %1 SCMI Not Ready Event Code: %2 Description: %3
20084	88034e74	2	84	Storage Cell: %1 SCMI Is Snapshot Event Code: %2 Description: %3
20085	88034e75	2	85	Storage Cell: %1 SCMI Incompatible Mirror Policy Event Code: %2 Description: %3
20086	88034e76	2	86	Storage Cell: %1 SCMI Inoperative Event Code: %2 Description: %3
20087	88034e77	3	87	Storage Cell: %1 SCMI Disk group inoperative or less than 8 disks in group Event Code: %2 Description: %3
20088	88034e78	6	88	Storage Cell: %1 SCMI StorageCell Inoperative Event Code: %2 Description: %3
20089	88034e79	2	89	Storage Cell: %1 SCMI Failsafe Locked Event Code: %2 Description: %3
20090	88034e7a	3	90	Storage Cell: %1 SCMI Data Flush Incomplete Event Code: %2 Description: %3
20091	88034e7b	2	91	Storage Cell: %1 SCMI Redundancy Mirrored Inoperative Event Code: %2 Description: %3
20092	88034e7c	2	92	Storage Cell: %1 SCMI Duplicate LUN Event Code: %2 Description: %3
20093	88034e7d	3	93	Storage Cell: %1 SCMI Other Remote NSC Failed Event Code: %2 Description: %3
20094	88034e7e	2	94	Storage Cell: %1 SCMI Unknown Remote Unit Event Code: %2 Description: %3
20095	88034e7f	2	95	Storage Cell: %1 SCMI Unknown Remote DRM Group Event Code: %2 Description: %3
20096	88034e80	6	96	Storage Cell: %1 SCMI PLDMC Failed Event Code: %2 Description: %3
20097	88034e81	6	97	Storage Cell: %1 SCMI Lock Failed Event Code: %2 Description: %3
20098	88034e82	2	98	Storage Cell: %1 SCMI Remote SCS Error Event Code: %2 Description: %3
20099	88034e83	2	99	Storage Cell: %1 Scmi Cell Connection Up Event Code: %2 Description: %3
20100	88034e84	2	100	Storage Cell: %1 Scmi Login Needed - Password Changed Event Code: %2 Description: %3
20101	88034e85	2	101	Storage Cell: %1 Scmi Max Logins Reached Event Code: %2 Description: %3
20102	88034e86	2	102	Storage Cell: %1 Scmi Invalid Cookie Event Code: %2 Description: %3
20103	88034e87	2	103	Storage Cell: %1 Scmi Login Timed Out Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
20104	88034e88	2	104	Storage Cell: %1 Scmi Max Snapshot Depth Reached Event Code: %2 Description: %3
20105	88034e89	2	105	Storage Cell: %1 Scmi Attribute Mismatch Event Code: %2 Description: %3
20106	88034e8a	2	106	Storage Cell: %1 Scmi Password Not Set Event Code: %2 Description: %3
20107	88034e8b	2	107	Storage Cell: %1 Scmi Not Host Port Event Code: %2 Description: %3
20108	88034e8c	2	108	Storage Cell: %1 Scmi Duplicate Lun WWID Event Code: %2 Description: %3
20109	88034e8d	2	109	Storage Cell: %1 Scmi System Inoperative Event Code: %2 Description: %3
20110	88034e8e	2	110	Storage Cell: %1 Scmi SnapClone Active Event Code: %2 Description: %3
20111	88034e8f	2	111	Storage Cell: %1 Scmi Emu Load Busy Event Code: %2 Description: %3
20112	88034e90	2	112	Storage Cell: %1 Scmi Duplicate User Name Event Code: %2 Description: %3
20113	88034e91	2	113	Storage Cell: %1 Scmi Drive Reserved For Code Load Event Code: %2 Description: %3
20114	88034e92	2	114	Storage Cell: %1 Scmi Already Presented Event Code: %2 Description: %3
20115	88034e93	2	115	Storage Cell: %1 Scmi Invalid Remote Scell Event Code: %2 Description: %3
20116	88034e94	2	116	Storage Cell: %1 Scmi No Scmi Lock Event Code: %2 Description: %3
21000	88035208	2	1000	Storage Cell: %1 Logical Disk Condition Change Event Code: %2 Description: %3
21001	88035209	6	1001	Storage Cell: %1 Storage system is FULL **critical** Event Code: %2 Description: %3
21002	8803520a	3	1002	Storage Cell: %1 Storage system is almost FULL. Disk group at or above maximum capacity warning level. Event Code: %2 Description: %3
21003	8803520b	2	1003	Storage Cell: %1 NSC Cache Battery Condition Change Event Code: %2 Description: %3
21004	8803520c	2	1004	Storage Cell: %1 NSC Cache Condition Change Event Code: %2 Description: %3
21005	8803520d	2	1005	Storage Cell: %1 NSC Condition Change Event Code: %2 Description: %3
21006	8803520e	2	1006	Storage Cell: %1 NSC FC Port Condition Change Event Code: %2 Description: %3
21007	8803520f	2	1007	Storage Cell: %1 Physical Device Condition Change Event Code: %2 Description: %3
21008	88035210	2	1008	Storage Cell: %1 Physical Store Condition Change Event Code: %2 Description: %3
21009	88035211	2	1009	Storage Cell: %1 Host condition change Event Code: %2 Description: %3
21010	88035212	2	1010	Storage Cell: %1 Storage system time has been set Event Code: %2 Description: %3
21011	88035213	2	1011	Storage Cell: %1 Volume Condition change Event Code: %2 Description: %3
21012	88035214	2	1012	Storage Cell: %1 Volume insufficient_resources condition change Event Code: %2 Description: %3
21013	88035215	2	1013	Storage Cell: %1 Volume Quorum Disk change Event Code: %2 Description: %3
21014	88035216	2	1014	Storage Cell: %1 The state of an object in the system has changed. View adjacent events for more detail. Event Code: %2 Description: %3
22001	880355f1	6	2001	Storage Cell: %1 Startup Failed Event Code: %2 Description: %3
22002	880355f2	2	2002	Storage Cell: %1 Management agent event log cleared successfully Event Code: %2 Description: %3
22003	880355f3	3	2003	Storage Cell: %1 Invalid name specified for storage system Event Code: %2 Description: %3
22004	880355f4	2	2004	Storage Cell: %1 Storage system is not initialized Event Code: %2 Description: %3
22005	880355f5	3	2005	Storage Cell: %1 Duplicate name for virtual disk found Event Code: %2 Description: %3
22006	880355f6	3	2006	Storage Cell: %1 Invalid name specified for virtual disk Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
22007	880355f7	3	2007	Storage Cell: %1 Virtual disk name exceeds maximum length Event Code: %2 Description: %3
22008	880355f8	3	2008	Storage Cell: %1 Invalid parameter specified for virtual disk Event Code: %2 Description: %3
22009	880355f9	3	2009	Storage Cell: %1 No virtual disk found Event Code: %2 Description: %3
22010	880355fa	3	2010	Storage Cell: %1 Specified virtual disk size exceeds available size Event Code: %2 Description: %3
22011	880355fb	2	2011	Storage Cell: %1 There are not enough disk drives to create a disk group Event Code: %2 Description: %3
22012	880355fc	3	2012	Storage Cell: %1 Specified number of device exceeds available number of disk Event Code: %2 Description: %3
22013	880355fd	3	2013	Storage Cell: %1 Specified number of device is below the minimum number of disk to create a disk group (minimum 8) Event Code: %2 Description: %3
22014	880355fe	3	2014	Storage Cell: %1 No available volumes to complete the request Event Code: %2 Description: %3
22015	880355ff	3	2015	Storage Cell: %1 Specified spare count exceeds maximum count Event Code: %2 Description: %3
22016	88035600	3	2016	Storage Cell: %1 Completed unrepresenting virtual disk to host Event Code: %2 Description: %3
22017	88035601	3	2017	Storage Cell: %1 Negative value for device count is invalid Event Code: %2 Description: %3
22018	88035602	3	2018	Storage Cell: %1 Specified spare count is below minimum count Event Code: %2 Description: %3
22019	88035603	3	2019	Storage Cell: %1 Specified device count is below minimum count Event Code: %2 Description: %3
22020	88035604	3	2020	Storage Cell: %1 Requested device count exceeds available physical store Event Code: %2 Description: %3
22021	88035605	3	2021	Storage Cell: %1 Invalid refresh interval value. Should be numeric and non-negative. Event Code: %2 Description: %3
22022	88035606	3	2022	Storage Cell: %1 Invalid security message. Should not be blank. Event Code: %2 Description: %3
22023	88035607	2	2023	Storage Cell: %1 Virtual Disk Create Complete Event Code: %2 Description: %3
22024	88035608	2	2024	Storage Cell: %1 Storage system uninitialized Event Code: %2 Description: %3
22025	88035609	2	2025	Storage Cell: %1 Storage system successfully initialized Event Code: %2 Description: %3
22026	8803560a	2	2026	Storage Cell: %1 Device Added Successfully Event Code: %2 Description: %3
22027	8803560b	2	2027	Storage Cell: %1 Storage system successfully renamed Event Code: %2 Description: %3
22028	8803560c	2	2028	Storage Cell: %1 Virtual Disk Delete Complete Event Code: %2 Description: %3
22029	8803560d	2	2029	Storage Cell: %1 Virtual Disk Renamed - Complete Event Code: %2 Description: %3
22030	8803560e	2	2030	Storage Cell: %1 Refresh Interval Changed Event Code: %2 Description: %3
22031	8803560f	2	2031	Storage Cell: %1 Security Message Changed Event Code: %2 Description: %3
22032	88035610	2	2032	Storage Cell: %1 Present Virtual Disk to a Host - Complete Event Code: %2 Description: %3
22033	88035611	2	2033	Storage Cell: %1 Control Startup Complete Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
22034	88035612	2	2034	Storage Cell: %1 Change Device Usage Complete Event Code: %2 Description: %3
22035	88035613	2	2035	Storage Cell: %1 Control Shutdown - Complete Event Code: %2 Description: %3
22036	88035614	2	2036	Storage Cell: %1 Nsc Shutdown - Complete Event Code: %2 Description: %3
22037	88035615	2	2037	Storage Cell: %1 Nsc Crash - Complete Event Code: %2 Description: %3
22038	88035616	6	2038	Storage Cell: %1 Control Memory Allocation Failure Event Code: %2 Description: %3
22039	88035617	2	2039	Storage Cell: %1 There must be at least 5 member devices to create Raid 5 VD Event Code: %2 Description: %3
22040	88035618	2	2040	Storage Cell: %1 Access level denied or session activity timeout. Please log in again. Event Code: %2 Description: %3
22041	88035619	2	2041	Storage Cell: %1 Virtual Disk Snapshot - Completed Event Code: %2 Description: %3
22042	8803561a	2	2042	Storage Cell: %1 Virtual Disk Snapclone - Completed Event Code: %2 Description: %3
22043	8803561b	2	2043	Storage Cell: %1 Virtual Disk Snapshot - Failed Event Code: %2 Description: %3
22044	8803561c	2	2044	Storage Cell: %1 Virtual Disk Snapclone - Failed Event Code: %2 Description: %3
22045	8803561d	2	2045	Storage Cell: %1 Restore Device - Completed Event Code: %2 Description: %3
22046	8803561e	6	2046	Storage Cell: %1 Device Failed Event Code: %2 Description: %3
22047	8803561f	2	2047	Storage Cell: %1 Host record added successfully Event Code: %2 Description: %3
22048	88035620	2	2048	Storage Cell: %1 Nsa object discarded successfully Event Code: %2 Description: %3
22049	88035621	2	2049	Storage Cell: %1 Invalid host adapter ID Event Code: %2 Description: %3
22050	88035622	2	2050	Storage Cell: %1 Specified device is already a member of the system Event Code: %2 Description: %3
22051	88035623	2	2051	Storage Cell: %1 Create Folder - Completed Event Code: %2 Description: %3
22052	88035624	2	2052	Storage Cell: %1 Change Object Properties - Completed Event Code: %2 Description: %3
22053	88035625	2	2053	Storage Cell: %1 Comments exceed maximum size Event Code: %2 Description: %3
22057	88035629	2	2057	Storage Cell: %1 Completed disk group creation Event Code: %2 Description: %3
22058	8803562a	2	2058	Storage Cell: %1 Added host port Event Code: %2 Description: %3
22059	8803562b	2	2059	Storage Cell: %1 Discarded host port Event Code: %2 Description: %3
22060	8803562c	2	2060	Storage Cell: %1 EMU/Shelf code load complete Event Code: %2 Description: %3
22061	8803562d	2	2061	Storage Cell: %1 Operation will exceed the available capacity of the disk group Event Code: %2 Description: %3
22062	8803562e	2	2062	Storage Cell: %1 Controller(s) code load complete Event Code: %2 Description: %3
22063	8803562f	2	2063	Storage Cell: %1 The target device is not in the right condition to perform the operation Event Code: %2 Description: %3
22064	88035630	2	2064	Storage Cell: %1 Storage system Device Addition Policy changed successfully Event Code: %2 Description: %3
22065	88035631	2	2065	Storage Cell: %1 Maximum number of disk groups exceeded Event Code: %2 Description: %3
22066	88035632	3	2066	Storage Cell: %1 Nsa object discard failed. Event Code: %2 Description: %3
22067	88035633	3	2067	Storage Cell: %1 There are not enough disks to meet the minimum number requirement Event Code: %2 Description: %3
22068	88035634	2	2068	Storage Cell: %1 Entry added successfully in the password file Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
22069	88035635	2	2069	Storage Cell: %1 Entry updated successfully in the password file Event Code: %2 Description: %3
22070	88035636	2	2070	Storage Cell: %1 Entry discarded successfully in the password file Event Code: %2 Description: %3
22071	88035637	2	2071	Storage Cell: %1 Storage system is in an unknown state. Communications error or unresponsive controller. Event Code: %2 Description: %3
22072	88035638	2	2072	Storage Cell: %1 Object not found. Operation on this object is completed Event Code: %2 Description: %3
22073	88035639	2	2073	Storage Cell: %1 There is no more available space to create a virtual disk Event Code: %2 Description: %3
22074	8803563a	2	2074	Storage Cell: %1 Name or comments contains invalid characters Event Code: %2 Description: %3
22075	8803563b	2	2075	Storage Cell: %1 Duplicate - Another object with the same name is found Event Code: %2 Description: %3
22076	8803563c	2	2076	Storage Cell: %1 Error - No healthy disk group(s) to create a unit. Resolve any abnormal conditions in the disk group first. Event Code: %2 Description: %3
22077	8803563d	2	2077	Storage Cell: %1 Error - Operating System ID must be a valid number. Event Code: %2 Description: %3
22078	8803563e	2	2078	Storage Cell: %1 Watchdog successfully started Event Code: %2 Description: %3
22079	8803563f	2	2079	Storage Cell: %1 Watchdog successfully stopped Event Code: %2 Description: %3
22080	88035640	3	2080	Storage Cell: %1 Delete Event Config List failed Event Code: %2 Description: %3
22081	88035641	2	2081	Storage Cell: %1 Disk group meltdown repaired successfully. Event Code: %2 Description: %3
22082	88035642	2	2082	Storage Cell: %1 There are no available LUNs to present this unit. Event Code: %2 Description: %3
22083	88035643	2	2083	Storage Cell: %1 Controller time synchronization turned on. Event Code: %2 Description: %3
22084	88035644	2	2084	Storage Cell: %1 Controller time synchronization turned off. Event Code: %2 Description: %3
22085	88035645	2	2085	Storage Cell: %1 System login failed. Invalid password. Event Code: %2 Description: %3
22086	88035646	2	2086	Storage Cell: %1 System is not set for password validation. Event Code: %2 Description: %3
22087	88035647	2	2087	Storage Cell: %1 Agent is already logged in to this system. Event Code: %2 Description: %3
22088	88035648	2	2088	Storage Cell: %1 StorageCell time set to custom time. Controller time synchronization automatically turned off. Event Code: %2 Description: %3
22089	88035649	2	2089	Storage Cell: %1 StorageCell time set to SAN appliance time. Event Code: %2 Description: %3
22090	8803564a	2	2090	Storage Cell: %1 StorageCell time set to browser time. Controller time synchronization automatically turned off. Event Code: %2 Description: %3
22091	8803564b	2	2091	Storage Cell: %1 StorageCell time set to controller time. Controller time synchronization automatically turned off. Event Code: %2 Description: %3
23001	880359d9	2	3001	Storage Cell: %1 Event Manager Offline Event Code: %2 Description: %3
23002	880359da	2	3002	Storage Cell: %1 Event Manager Online Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
23003	880359db	6	3003	Storage Cell: %1 Event Manager - Startup Failed Event Code: %2 Description: %3
23004	880359dc	2	3004	Storage Cell: %1 Event Manager - Startup Complete Event Code: %2 Description: %3
23005	880359dd	3	3005	Storage Cell: %1 Event Manager - Abnormal Startup Event Code: %2 Description: %3
23006	880359de	3	3006	Storage Cell: %1 Event Manager - Shutdown Failed Event Code: %2 Description: %3
23007	880359df	2	3007	Storage Cell: %1 Event Manager - Shutdown Complete Event Code: %2 Description: %3
23008	880359e0	3	3008	Storage Cell: %1 Event Manager - Abnormal Shutdown Event Code: %2 Description: %3
23009	880359e1	3	3009	Storage Cell: %1 Unable to open NSA Local Event Log File Event Code: %2 Description: %3
23010	880359e2	3	3010	Storage Cell: %1 Unable to open NSA Debug File Event Code: %2 Description: %3
23011	880359e3	3	3011	Storage Cell: %1 EM: Agent event file on SC MLD unavailable - trying local event file. Event Code: %2 Description: %3
23012	880359e4	3	3012	Storage Cell: %1 Unable to open Local Temp Event File - possibly no initialized SC Event Code: %2 Description: %3
23013	880359e5	3	3013	Storage Cell: %1 Unable to clear NSA Local Event Log File Event Code: %2 Description: %3
23014	880359e6	3	3014	Storage Cell: %1 Unable to clear NSA Debug File Event Code: %2 Description: %3
23015	880359e7	3	3015	Storage Cell: %1 Unable to clear NSA Event Log File Event Code: %2 Description: %3
23016	880359e8	3	3016	Storage Cell: %1 Local log file found on startup Event Code: %2 Description: %3
23017	880359e9	3	3017	Storage Cell: %1 Event Queue Flush Error Event Code: %2 Description: %3
23018	880359ea	6	3018	Storage Cell: %1 Log Event Action Failed Event Code: %2 Description: %3
23019	880359eb	2	3019	Storage Cell: %1 EM File Manager Online Event Code: %2 Description: %3
23020	880359ec	2	3020	Storage Cell: %1 EM File Manager Offline Event Code: %2 Description: %3
23021	880359ed	2	3021	Storage Cell: %1 EM Log Manager Online Event Code: %2 Description: %3
23022	880359ee	2	3022	Storage Cell: %1 EM Log Manager Offline Event Code: %2 Description: %3
23023	880359ef	2	3023	Storage Cell: %1 Startup Complete Event Code: %2 Description: %3
23024	880359f0	2	3024	Storage Cell: %1 Local NSA logfile is empty Event Code: %2 Description: %3
23025	880359f1	2	3025	Storage Cell: %1 Event Queue Online Event Code: %2 Description: %3
23026	880359f2	2	3026	Storage Cell: %1 Event Queue Offline Event Code: %2 Description: %3
23027	880359f3	2	3027	Storage Cell: %1 Event Queue is full Event Code: %2 Description: %3
23028	880359f4	3	3028	Storage Cell: %1 Status Descriptions Unavailable Event Code: %2 Description: %3
23029	880359f5	2	3029	Storage Cell: %1 EM Description Mngr Online Event Code: %2 Description: %3
23030	880359f6	2	3030	Storage Cell: %1 EM: User Defined Status Description File Initialized Event Code: %2 Description: %3
23031	880359f7	3	3031	Storage Cell: %1 EM Description Mngr Start Failed Event Code: %2 Description: %3
23032	880359f8	3	3032	Storage Cell: %1 EM Log Mngr Start Failed Event Code: %2 Description: %3
23033	880359f9	3	3033	Storage Cell: %1 EM File Mngr Start Failed Event Code: %2 Description: %3
23034	880359fa	3	3034	Storage Cell: %1 EM Event Queue Start Failed Event Code: %2 Description: %3
23035	880359fb	3	3035	Storage Cell: %1 EM: NSA log file unavailable Event Code: %2 Description: %3
23036	880359fc	6	3036	Storage Cell: %1 EM Memory Allocation Error Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
23037	880359fd	3	3037	Storage Cell: %1 EM: Local Event Configuration File Unavailable Event Code: %2 Description: %3
23038	880359fe	3	3038	Storage Cell: %1 EM: MLD Notification File Unavailable - retrieving local backup copy Event Code: %2 Description: %3
23039	880359ff	3	3039	Storage Cell: %1 EM: Local Notification Host List File Unavailable Event Code: %2 Description: %3
23040	88035a00	2	3040	Storage Cell: %1 EM: SCMI returns zero SC Events but reports additional events Event Code: %2 Description: %3
23041	88035a01	2	3041	Storage Cell: %1 Undefined Status Code Event Code: %2 Description: %3
23042	88035a02	2	3042	Storage Cell: %1 Status Code Not Found Event Code: %2 Description: %3
23043	88035a03	2	3043	Storage Cell: %1 EM Failed SC Init - couldn't retrieve SC Event Event Code: %2 Description: %3
23044	88035a04	2	3044	Storage Cell: %1 Override this description with missing filename Event Code: %2 Description: %3
23045	88035a05	2	3045	Storage Cell: %1 Invalid storage system event sequence number - can't retrieve event Event Code: %2 Description: %3
23046	88035a06	2	3046	Storage Cell: %1 Invalid SC termination event sequence number - can't retrieve event Event Code: %2 Description: %3
23047	88035a07	3	3047	Storage Cell: %1 EM: Event config file unavailable from MLD - retrieving local backup copy Event Code: %2 Description: %3
23048	88035a08	2	3048	Storage Cell: %1 EM: Local user defined event state file unavailable Event Code: %2 Description: %3
23049	88035a09	2	3049	Storage Cell: %1 EM: EMU event monitoring thread unable to start Event Code: %2 Description: %3
23050	88035a0a	6	3050	Storage Cell: %1 EM: EMU event - this description will be overwritten Event Code: %2 Description: %3
23051	88035a0b	3	3051	Storage Cell: %1 EM: Failed to write Event Config file to MLD Event Code: %2 Description: %3
23052	88035a0c	3	3052	Storage Cell: %1 EM: Failed to write Notification Host List to MLD Event Code: %2 Description: %3
23053	88035a0d	2	3053	Storage Cell: %1 EM: Event Configuration Filename Error or File empty Event Code: %2 Description: %3
23054	88035a0e	2	3054	Storage Cell: %1 EM: Notification Hostlist Filename Error or File empty Event Code: %2 Description: %3
23055	88035a0f	3	3055	Storage Cell: %1 EM: Event Config List Object Reference Error Event Code: %2 Description: %3
23056	88035a10	2	3056	Storage Cell: %1 EM: SC Parse File successfully uploaded Event Code: %2 Description: %3
23057	88035a11	2	3057	Storage Cell: %1 EM: SC Parse File upload failed Event Code: %2 Description: %3
23058	88035a12	3	3058	Storage Cell: %1 EM: Contents of the uploaded parse file invalid - unexpected contents Event Code: %2 Description: %3
23059	88035a13	3	3059	Storage Cell: %1 EM: Parse file is empty Event Code: %2 Description: %3
23060	88035a14	6	3060	Storage Cell: %1 Storage system being shutdown due to a command failure. Event Code: %2 Description: %3
23061	88035a15	2	3061	Storage Cell: %1 EM: Could not retrieve a storage system event Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
23062	88035a16	2	3062	Storage Cell: %1 EM: Init SC Event config list failed Event Code: %2 Description: %3
23063	88035a17	3	3063	Storage Cell: %1 Could not initialize Comm infrastructure for event logging to system log Event Code: %2 Description: %3
23064	88035a18	6	3064	Storage Cell: %1 EM: Storage system pointer is NULL! Event Code: %2 Description: %3
23065	88035a19	6	3065	Storage Cell: %1 EM: Failed to log event to the Appliance event log: check if log is full Event Code: %2 Description: %3
23066	88035a1a	3	3066	Storage Cell: %1 EM: Description Mngr Init StorageCell Failed Event Code: %2 Description: %3
23067	88035a1b	3	3067	Storage Cell: %1 EM: Description file too small. File read problem Or Incomplete file. Event Code: %2 Description: %3
23068	88035a1c	6	3068	Storage Cell: %1 EM: Can't init NT Event object pointer Event Code: %2 Description: %3
23069	88035a1d	6	3069	Storage Cell: %1 EM: Can't init NT Notification object pointer Event Code: %2 Description: %3
23070	88035a1e	6	3070	Storage Cell: %1 EM: Appliance Event Logging Failure - log may be full Event Code: %2 Description: %3
23071	88035a1f	3	3071	Storage Cell: %1 EM: SCMI returned bad additional events number Event Code: %2 Description: %3
23072	88035a20	3	3072	Storage Cell: %1 EM: SCMI returned zero sized SC Event Event Code: %2 Description: %3
23073	88035a21	6	3073	Storage Cell: %1 EM: Local event file Size exceeds max size - event logging shutdown Event Code: %2 Description: %3
23074	88035a22	3	3074	Storage Cell: %1 EM: Local event file exceeded max size limit - truncating file Event Code: %2 Description: %3
23075	88035a23	2	3075	Storage Cell: %1 EventQueue index passed is out of bounds Event Code: %2 Description: %3
23076	88035a24	3	3076	Storage Cell: %1 EM: An abnormal number of duplicate events logged - dropping duplicates Event Code: %2 Description: %3
23077	88035a25	2	3077	Storage Cell: %1 EM: Update of the MLD Status Description file failed Event Code: %2 Description: %3
23078	88035a26	2	3078	Storage Cell: %1 EM: NsaStatusDescriptions.txt open file error Event Code: %2 Description: %3
23079	88035a27	2	3079	Storage Cell: %1 EM: NsaStatusDescriptions.txt file error - file size discrepancy from mld list Event Code: %2 Description: %3
23080	88035a28	6	3080	Storage Cell: %1 SC Event Log has been cleared and restarted. Possible RAID1 Meltdown. Event Code: %2 Description: %3
23081	88035a29	2	3081	Storage Cell: %1 Invalid logType parameter Event Code: %2 Description: %3
23082	88035a2a	2	3082	Storage Cell: %1 Unsupported version Event Code: %2 Description: %3
23083	88035a2b	2	3083	Storage Cell: %1 Log file is empty Event Code: %2 Description: %3
23084	88035a2c	2	3084	Storage Cell: %1 Storage System with this WWN is not visible to this agent or the WWN is invalid Event Code: %2 Description: %3
23085	88035a2d	6	3085	Storage Cell: %1 Pointer to Event Manager is NULL Event Code: %2 Description: %3
23086	88035a2e	2	3086	Storage Cell: %1 Parsefile for current firmware version not found. Upload correct parse file. Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
23090	88035a32	2	3090	Storage Cell: %1 The contents of this file appear to be invalid Event Code: %2 Description: %3
23091	88035a33	2	3091	Storage Cell: %1 The MIB failed to build due to a missing parse file. Event Code: %2 Description: %3
24000	88035dc0	2	4000	Storage Cell: %1 MLD Manager Subsystem Error Event Code: %2 Description: %3
24001	88035dc1	2	4001	Storage Cell: %1 MLD Manager Offline Event Code: %2 Description: %3
24002	88035dc2	2	4002	Storage Cell: %1 MLD Manager Online Event Code: %2 Description: %3
24003	88035dc3	2	4003	Storage Cell: %1 MLD Manager Startup Failed Event Code: %2 Description: %3
24004	88035dc4	2	4004	Storage Cell: %1 MLD Manager Startup Complete Event Code: %2 Description: %3
24005	88035dc5	2	4005	Storage Cell: %1 MLD Manager Abnormal Startup Event Code: %2 Description: %3
24006	88035dc6	2	4006	Storage Cell: %1 MLD Manager Shutdown Failed Event Code: %2 Description: %3
24007	88035dc7	2	4007	Storage Cell: %1 MLD Manager Shutdown Complete Event Code: %2 Description: %3
24008	88035dc8	2	4008	Storage Cell: %1 MLD Manager Abnormal Shutdown Event Code: %2 Description: %3
24009	88035dc9	2	4009	Storage Cell: %1 Unable to startup WSA during MldMgr:init Event Code: %2 Description: %3
24010	88035dca	2	4010	Storage Cell: %1 Unable to get Server Host Name during MldMgr:init Event Code: %2 Description: %3
24011	88035dcb	2	4011	Storage Cell: %1 Invalid Host IP Address specified Event Code: %2 Description: %3
24012	88035dcc	2	4012	Storage Cell: %1 Unable to open the NsaMldMgr.dat file for Write Event Code: %2 Description: %3
24013	88035dcd	2	4013	Storage Cell: %1 Unable to open the NsaMldMgr.dat file for Read Event Code: %2 Description: %3
24014	88035dce	2	4014	Storage Cell: %1 Agent Uid does not exist Event Code: %2 Description: %3
24015	88035dcf	2	4015	Storage Cell: %1 Unable to find Object Event Code: %2 Description: %3
24016	88035dd0	2	4016	Storage Cell: %1 Unable to store Object Event Code: %2 Description: %3
24017	88035dd1	2	4017	Storage Cell: %1 Unable to find Object Cell Event Code: %2 Description: %3
24018	88035dd2	2	4018	Storage Cell: %1 Unable to create MLD Event Code: %2 Description: %3
24019	88035dd3	2	4019	Storage Cell: %1 lastSafeChoiceDelay Expired Event Code: %2 Description: %3
24020	88035dd4	2	4020	Storage Cell: %1 lastSafeChoiceDelay Expired Event Code: %2 Description: %3
24021	88035dd5	2	4021	Storage Cell: %1 crashDetectDelay Expired Event Code: %2 Description: %3
24022	88035dd6	2	4022	Storage Cell: %1 retSCCBNum not an SCCB Num Event Code: %2 Description: %3
24023	88035dd7	2	4023	Storage Cell: %1 Unable to read Copy1 of MLD Event Code: %2 Description: %3
24024	88035dd8	2	4024	Storage Cell: %1 Copy 1 of MLD Invalid Event Code: %2 Description: %3
24025	88035dd9	2	4025	Storage Cell: %1 Invalid Copy block of MLD Event Code: %2 Description: %3
24026	88035dda	2	4026	Storage Cell: %1 Copy 2 of MLD Invalid Event Code: %2 Description: %3
24027	88035ddb	2	4027	Storage Cell: %1 MLD database capacity not equal to true MLD capacity Event Code: %2 Description: %3
24028	88035ddc	2	4028	Storage Cell: %1 Backup range out of bounds of copy 1 range Event Code: %2 Description: %3
24029	88035ddd	2	4029	Storage Cell: %1 MLD Manager Lock Crash DetectDelay has expired, just taking lock! Event Code: %2 Description: %3
24030	88035dde	2	4030	Storage Cell: %1 MLD Copy 1 Restored Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
24031	88035ddf	2	4031	Storage Cell: %1 MLD Copy 2 Restored Event Code: %2 Description: %3
24032	88035de0	2	4032	Storage Cell: %1 Unable to find UidAssoc Object Event Code: %2 Description: %3
24033	88035de1	2	4033	Storage Cell: %1 Unable to store UID Association Object Event Code: %2 Description: %3
24034	88035de2	2	4034	Storage Cell: %1 Unable to find UidAssoc Object Event Code: %2 Description: %3
24035	88035de3	2	4035	Storage Cell: %1 Unable to read last Fusion event read Event Code: %2 Description: %3
24036	88035de4	2	4036	Storage Cell: %1 MLD Notification Queue Empty Event Code: %2 Description: %3
24037	88035de5	2	4037	Storage Cell: %1 Unable to find Notification Object Event Code: %2 Description: %3
24038	88035de6	2	4038	Storage Cell: %1 Unable to store Notification Object Event Code: %2 Description: %3
24039	88035de7	2	4039	Storage Cell: %1 Unable to find Notification Object Event Code: %2 Description: %3
24040	88035de8	2	4040	Storage Cell: %1 Unable to read Event Log Pointer Event Code: %2 Description: %3
24041	88035de9	2	4041	Storage Cell: %1 Unable to read Event Log Event Code: %2 Description: %3
24042	88035dea	2	4042	Storage Cell: %1 Unable to store Event Log Event Code: %2 Description: %3
24043	88035deb	2	4043	Storage Cell: %1 Unable to read Event Log Event Code: %2 Description: %3
24044	88035dec	2	4044	Storage Cell: %1 Unable to read Event Log and free Lock Event Code: %2 Description: %3
24045	88035ded	2	4045	Storage Cell: %1 Unable to store Event Log and free Lock Event Code: %2 Description: %3
24046	88035dee	2	4046	Storage Cell: %1 Unable to read Event Log and free Lock Event Code: %2 Description: %3
24047	88035def	2	4047	Storage Cell: %1 Previously Read Object Properties do not Match Event Code: %2 Description: %3
24048	88035df0	2	4048	Storage Cell: %1 Previously Read Object Properties do not Match Event Code: %2 Description: %3
24049	88035df1	2	4049	Storage Cell: %1 Unable to read Notification Host List Event Code: %2 Description: %3
24050	88035df2	2	4050	Storage Cell: %1 Unable to store Notification Host List Event Code: %2 Description: %3
24051	88035df3	2	4051	Storage Cell: %1 Unable to store Notification Host List and free Lock Event Code: %2 Description: %3
24052	88035df4	2	4052	Storage Cell: %1 Unable to read Event Configuration List Event Code: %2 Description: %3
24053	88035df5	2	4053	Storage Cell: %1 Unable to store Event Configuration List Event Code: %2 Description: %3
24054	88035df6	2	4054	Storage Cell: %1 Unable to store Event Configuration List and free Lock Event Code: %2 Description: %3
24055	88035df7	2	4055	Storage Cell: %1 MLD roll up buffer full Event Code: %2 Description: %3
24056	88035df8	2	4056	Storage Cell: %1 MLD roll up list read error Event Code: %2 Description: %3
24057	88035df9	2	4057	Storage Cell: %1 MLD Monitor Lock error Event Code: %2 Description: %3
24058	88035dfa	2	4058	Storage Cell: %1 MLD Manager Mutex Timeout error Event Code: %2 Description: %3
24059	88035dfb	2	4059	Storage Cell: %1 MLD Manager list is empty Event Code: %2 Description: %3
25001	880361a9	2	5001	Storage Cell: %1 Monitor Startup Complete Event Code: %2 Description: %3
25002	880361aa	2	5002	Storage Cell: %1 Monitor Startup Failed Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
25003	880361ab	2	5003	Storage Cell: %1 Monitor ShutDown Complete Event Code: %2 Description: %3
25004	880361ac	6	5004	Storage Cell: %1 Monitor Memory Allocation Failure Event Code: %2 Description: %3
25005	880361ad	2	5005	Storage Cell: %1 Monitor Mark Agent as Inactive Event Code: %2 Description: %3
25006	880361ae	2	5006	Storage Cell: %1 Monitor create thread error Event Code: %2 Description: %3
25007	880361af	2	5007	Storage Cell: %1 Monitor create timer error Event Code: %2 Description: %3
25008	880361b0	2	5008	Storage Cell: %1 Monitor agent registration - Complete Event Code: %2 Description: %3
25009	880361b1	2	5009	Storage Cell: %1 Monitor controller rediscovery - Complete Event Code: %2 Description: %3
25010	880361b2	2	5010	Storage Cell: %1 Monitor initiated a storage system shutdown because of controller failure Event Code: %2 Description: %3
25011	880361b3	2	5011	Storage Cell: %1 Unknown storage system rediscovery complete Event Code: %2 Description: %3
25012	880361b4	2	5012	Storage Cell: %1 Start monitoring thread for storage system - Complete Event Code: %2 Description: %3
25013	880361b5	2	5013	Storage Cell: %1 Start monitoring thread for storage system - Fail Event Code: %2 Description: %3
25014	880361b6	2	5014	Storage Cell: %1 Monitoring thread for storage system terminated Event Code: %2 Description: %3
25015	880361b7	2	5015	Storage Cell: %1 Rediscover unknown storage system - Error Event Code: %2 Description: %3
25016	880361b8	2	5016	Storage Cell: %1 Controller time synchronized to appliance time. Event Code: %2 Description: %3
25017	880361b9	2	5017	Storage Cell: %1 Appliance and controller time checked for synchronization. Event Code: %2 Description: %3
25018	880361ba	2	5018	Storage Cell: %1 Controller and appliance time are the same. No need to synchronize. Event Code: %2 Description: %3
25019	880361bb	2	5019	Storage Cell: %1 Exception caught in monitoring process. Event Code: %2 Description: %3
26001	88036591	2	6001	Storage Cell: %1 Nsc Manager Ready Event Code: %2 Description: %3
26002	88036592	2	6002	Storage Cell: %1 Nsc Manager Index Out of Range Event Code: %2 Description: %3
26003	88036593	6	6003	Storage Cell: %1 Cannot access storage system. Communications error. Event Code: %2 Description: %3
26004	88036594	2	6004	Storage Cell: %1 Nsc Manager No NSCs Found Event Code: %2 Description: %3
26005	88036595	2	6005	Storage Cell: %1 Nsc Manager Invalid Index Event Code: %2 Description: %3
26006	88036596	6	6006	Storage Cell: %1 Nsc Manager Memory Allocation Failure Event Code: %2 Description: %3
26007	88036597	2	6007	Storage Cell: %1 Nsc Manager No Physical Stores Found Event Code: %2 Description: %3
26008	88036598	2	6008	Storage Cell: %1 Nsc Manager No Storage Cell Found Event Code: %2 Description: %3
26009	88036599	2	6009	Storage Cell: %1 Nsc Manager No disk group Found Event Code: %2 Description: %3
26010	8803659a	2	6010	Storage Cell: %1 Nsc Manager too many disk groups Event Code: %2 Description: %3
26011	8803659b	2	6011	Storage Cell: %1 Nsc Manager No Volumes Found Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
26012	8803659c	2	6012	Storage Cell: %1 Nsc Manager No Logical Disks Found Event Code: %2 Description: %3
26013	8803659d	2	6013	Storage Cell: %1 Nsc Manager Context Id Changed During Operation Event Code: %2 Description: %3
26014	8803659e	2	6014	Storage Cell: %1 Nsc Manager No Name Event Code: %2 Description: %3
26015	8803659f	2	6015	Storage Cell: %1 Nsc Manager Name Size Exceeded Event Code: %2 Description: %3
26016	880365a0	2	6016	Storage Cell: %1 Nsc Manager Shutdown Complete Event Code: %2 Description: %3
26017	880365a1	2	6017	Storage Cell: %1 Nsc Manager Mutex Creation Failure Event Code: %2 Description: %3
26018	880365a2	2	6018	Storage Cell: %1 Nsc Manager Mutex Timeout Event Code: %2 Description: %3
26019	880365a3	2	6019	Storage Cell: %1 Nsc Manager No MLD Handle Set Event Code: %2 Description: %3
26020	880365a4	2	6020	Storage Cell: %1 Nsc Manager Failed Transport Layer Communication - No Such Id Event Code: %2 Description: %3
26021	880365a5	2	6021	Storage Cell: %1 Nsc Manager Failed Transport Layer Communication - TimeOut Event Code: %2 Description: %3
26022	880365a6	2	6022	Storage Cell: %1 Nsc Manager No Storage Cell Objects Found Event Code: %2 Description: %3
26023	880365a7	2	6023	Storage Cell: %1 Nsc Manager No Attached Port Found Event Code: %2 Description: %3
26024	880365a8	2	6024	Storage Cell: %1 Nsc Manager Failed to get SCMI Object Handle Event Code: %2 Description: %3
26025	880365a9	2	6025	Storage Cell: %1 Shutdown Both Restart And Power Off Requested Event Code: %2 Description: %3
26026	880365aa	2	6026	Storage Cell: %1 Shutdown Drive Shelf Power Off But No Enclosure Power Off Requested Event Code: %2 Description: %3
26027	880365ab	2	6027	Storage Cell: %1 Shutdown Disable Battery But No Enclosure Power Off Requested Event Code: %2 Description: %3
26028	880365ac	2	6028	Storage Cell: %1 Shutdown Disable Battery But Shutdown Unconditional Requested Event Code: %2 Description: %3
26029	880365ad	2	6029	Storage Cell: %1 Shutdown Delay Out Of Range Event Code: %2 Description: %3
26030	880365ae	2	6030	Storage Cell: %1 Cache Write Failure Event Code: %2 Description: %3
26031	880365af	2	6031	Storage Cell: %1 Battery Disable Failure Event Code: %2 Description: %3
26032	880365b0	2	6032	Storage Cell: %1 Drive Shelf Disable Failure Event Code: %2 Description: %3
26033	880365b1	2	6033	Storage Cell: %1 Battery Disable Failed on Both Controllers Batteries Event Code: %2 Description: %3
26034	880365b2	2	6034	Storage Cell: %1 Battery Disable Failed on This Controllers Battery Event Code: %2 Description: %3
26035	880365b3	2	6035	Storage Cell: %1 Battery Disable Failed on the Other Controllers Battery Event Code: %2 Description: %3
26036	880365b4	2	6036	Storage Cell: %1 Requested disk failure protection level is set. Actual level will change when sufficient disk space is available. Event Code: %2 Description: %3
26037	880365b5	2	6037	Storage Cell: %1 Physical Store Contains Stale or Foreign Volume Information. Event Code: %2 Description: %3
26038	880365b6	2	6038	Storage Cell: %1 Controller Resynchronization or Reboot Occurred. Context Error Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
26039	880365b7	2	6039	Storage Cell: %1 Bad Command Or Response Cookie Event Code: %2 Description: %3
27001	88036979	2	7001	Storage Cell: %1 More than one storage system found Event Code: %2 Description: %3
27002	8803697a	2	7002	Storage Cell: %1 Storage system already exists Event Code: %2 Description: %3
27003	8803697b	2	7003	Storage Cell: %1 Storage System is not initialized Event Code: %2 Description: %3
27004	8803697c	2	7004	Storage Cell: %1 Storage Object Mngr Ready Event Code: %2 Description: %3
27005	8803697d	2	7005	Storage Cell: %1 Storage Object Mngr Shutdown Complete Event Code: %2 Description: %3
27006	8803697e	2	7006	Storage Cell: %1 Storage system name too long Event Code: %2 Description: %3
28001	88036d61	2	8001	Storage Cell: %1 Invalid Operation Event Code: %2 Description: %3
28002	88036d62	2	8002	Storage Cell: %1 Storage system already created Event Code: %2 Description: %3
28003	88036d63	2	8003	Storage Cell: %1 Controller already part of storage system configuration Event Code: %2 Description: %3
28004	88036d64	2	8004	Storage Cell: %1 Physical Store Count Below Minimum Event Code: %2 Description: %3
28005	88036d65	2	8005	Storage Cell: %1 Controller not part of storage system configuration Event Code: %2 Description: %3
28006	88036d66	2	8006	Storage Cell: %1 Failed to uninitialize storage system Event Code: %2 Description: %3
28007	88036d67	3	8007	Storage Cell: %1 Storage system File Open Error Event Code: %2 Description: %3
28008	88036d68	3	8008	Storage Cell: %1 Storage system File Write Error Event Code: %2 Description: %3
28009	88036d69	3	8009	Storage Cell: %1 Storage system File Read Error Event Code: %2 Description: %3
28010	88036d6a	2	8010	Storage Cell: %1 Name too long Event Code: %2 Description: %3
28011	88036d6b	2	8011	Storage Cell: %1 No String Error Event Code: %2 Description: %3
28012	88036d6c	2	8012	Storage Cell: %1 No MLD Handle Found Event Code: %2 Description: %3
28013	88036d6d	2	8013	Storage Cell: %1 No Controllers Found Event Code: %2 Description: %3
28014	88036d6e	2	8014	Storage Cell: %1 Controller Not Found On Loop Event Code: %2 Description: %3
28015	88036d6f	2	8015	Storage Cell: %1 No Disk Groups Found Event Code: %2 Description: %3
28016	88036d70	2	8016	Storage Cell: %1 No Volumes Found Event Code: %2 Description: %3
28017	88036d71	2	8017	Storage Cell: %1 No Physical Stores Found Event Code: %2 Description: %3
28018	88036d72	2	8018	Storage Cell: %1 No Virtual Disks Found Event Code: %2 Description: %3
28019	88036d73	2	8019	Storage Cell: %1 No Hosts Found Event Code: %2 Description: %3
28020	88036d74	2	8020	Storage Cell: %1 Name already exists Event Code: %2 Description: %3
28021	88036d75	2	8021	Storage Cell: %1 Folder is not empty Event Code: %2 Description: %3
28022	88036d76	2	8022	Storage Cell: %1 Spares goal could not be met Event Code: %2 Description: %3
28023	88036d77	2	8023	Storage Cell: %1 Storage system object found Event Code: %2 Description: %3
28024	88036d78	2	8024	Storage Cell: %1 Storage system object not found Event Code: %2 Description: %3
28025	88036d79	2	8025	Storage Cell: %1 New Physical Store Detected But Not Found In Physical Store List Event Code: %2 Description: %3
28026	88036d7a	3	8026	Storage Cell: %1 MldManager Handle is NULL Event Code: %2 Description: %3
28027	88036d7b	3	8027	Storage Cell: %1 NscMngrInterface Handle is NULL Event Code: %2 Description: %3
28028	88036d7c	3	8028	Storage Cell: %1 ScLockMngr Handle is NULL Event Code: %2 Description: %3
28029	88036d7d	6	8029	Storage Cell: %1 Storage system initialization failed Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
28030	88036d7e	3	8030	Storage Cell: %1 MldMngr, NscMngrInterfaceMngr, or ScLockMngr Handle is NULL Event Code: %2 Description: %3
28031	88036d7f	6	8031	Storage Cell: %1 Storage system initialization failed Event Code: %2 Description: %3
28032	88036d80	3	8032	Storage Cell: %1 Storage system discovery failed Event Code: %2 Description: %3
28033	88036d81	2	8033	Storage Cell: %1 Storage system already uninitialized or does not exist Event Code: %2 Description: %3
28034	88036d82	3	8034	Storage Cell: %1 Get Total Storage Failed Event Code: %2 Description: %3
28035	88036d83	2	8035	Storage Cell: %1 Storage system is uninitialized Event Code: %2 Description: %3
28036	88036d84	3	8036	Storage Cell: %1 Get Total Storage Available Failed Event Code: %2 Description: %3
28037	88036d85	3	8037	Storage Cell: %1 Get Total Storage Occupied Failed Event Code: %2 Description: %3
28038	88036d86	3	8038	Storage Cell: %1 Get Total Storage Free Failed Event Code: %2 Description: %3
28039	88036d87	3	8039	Storage Cell: %1 Get Disk Group Failed Event Code: %2 Description: %3
28040	88036d88	3	8040	Storage Cell: %1 Get Disk Group List Failed Event Code: %2 Description: %3
28041	88036d89	3	8041	Storage Cell: %1 Get Disk Group Count Failed Event Code: %2 Description: %3
28042	88036d8a	3	8042	Storage Cell: %1 Create Volume Failed Event Code: %2 Description: %3
28043	88036d8b	3	8043	Storage Cell: %1 Get Volume Failed Event Code: %2 Description: %3
28044	88036d8c	3	8044	Storage Cell: %1 Get Volumes Failed Event Code: %2 Description: %3
28045	88036d8d	3	8045	Storage Cell: %1 Get Volumes Count Failed Event Code: %2 Description: %3
28046	88036d8e	3	8046	Storage Cell: %1 Get Virtual Disk Failed Event Code: %2 Description: %3
28047	88036d8f	3	8047	Storage Cell: %1 Get Virtual Disk List Failed Event Code: %2 Description: %3
28048	88036d90	3	8048	Storage Cell: %1 Get Physical Store Failed Event Code: %2 Description: %3
28049	88036d91	3	8049	Storage Cell: %1 Get Physical Stores Failed Event Code: %2 Description: %3
28050	88036d92	3	8050	Storage Cell: %1 Get Physical Stores Count Failed Event Code: %2 Description: %3
28051	88036d93	3	8051	Storage Cell: %1 Create Virtual Disk Failed Event Code: %2 Description: %3
28052	88036d94	3	8052	Storage Cell: %1 Delete Virtual Disk Failed Event Code: %2 Description: %3
28053	88036d95	3	8053	Storage Cell: %1 Get Device Addition Policy Failed Event Code: %2 Description: %3
28054	88036d96	3	8054	Storage Cell: %1 Get Spares Current Failed Event Code: %2 Description: %3
28055	88036d97	3	8055	Storage Cell: %1 Get Spares Goal Failed Event Code: %2 Description: %3
28056	88036d98	3	8056	Storage Cell: %1 Get storage system events failed Event Code: %2 Description: %3
28057	88036d99	3	8057	Storage Cell: %1 Get Volume Replacement Delay Failed Event Code: %2 Description: %3
28058	88036d9a	3	8058	Storage Cell: %1 Set Device Addition Policy Failed Event Code: %2 Description: %3
28059	88036d9b	3	8059	Storage Cell: %1 Set Spares Goal Failed Event Code: %2 Description: %3
28060	88036d9c	3	8060	Storage Cell: %1 Set Volume Replacement Delay Failed Event Code: %2 Description: %3
28061	88036d9d	3	8061	Storage Cell: %1 Create NSC Failed Event Code: %2 Description: %3
28062	88036d9e	3	8062	Storage Cell: %1 Update NSC Failed Event Code: %2 Description: %3
28063	88036d9f	3	8063	Storage Cell: %1 Create Host Failed Event Code: %2 Description: %3
28064	88036da0	3	8064	Storage Cell: %1 Discard Host Failed Event Code: %2 Description: %3
28065	88036da1	3	8065	Storage Cell: %1 Get Host Failed Event Code: %2 Description: %3
28066	88036da2	3	8066	Storage Cell: %1 Get Host List Failed Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
28067	88036da3	3	8067	Storage Cell: %1 Get Host Count Failed Event Code: %2 Description: %3
28068	88036da4	3	8068	Storage Cell: %1 Get Presented Unit List Failed Event Code: %2 Description: %3
28069	88036da5	3	8069	Storage Cell: %1 Get Presented Unit Count Failed Event Code: %2 Description: %3
28070	88036da6	3	8070	Storage Cell: %1 Free View Failed Event Code: %2 Description: %3
28071	88036da7	3	8071	Storage Cell: %1 Storage system shutdown Failed Event Code: %2 Description: %3
28072	88036da8	3	8072	Storage Cell: %1 StorageCell Virtual Disk Count Does Not Match Logical Disk Count Event Code: %2 Description: %3
28073	88036da9	3	8073	Storage Cell: %1 Get Derived Unit List Failed Event Code: %2 Description: %3
28074	88036daa	3	8074	Storage Cell: %1 Get Derived Unit Count Failed Event Code: %2 Description: %3
28075	88036dab	3	8075	Storage Cell: %1 Get StorageCell Virtual Disk List Failed Event Code: %2 Description: %3
28076	88036dac	3	8076	Storage Cell: %1 Get StorageCell Virtual Disk Count Failed Event Code: %2 Description: %3
28077	88036dad	3	8077	Storage Cell: %1 Error while building virtual disk root view Event Code: %2 Description: %3
28078	88036dae	3	8078	Storage Cell: %1 Error while building host root view Event Code: %2 Description: %3
28079	88036daf	3	8079	Storage Cell: %1 Error while ilding disk group root view Event Code: %2 Description: %3
28080	88036db0	3	8080	Storage Cell: %1 Error while building hardware root view Event Code: %2 Description: %3
28081	88036db1	3	8081	Storage Cell: %1 Specified time format is incorrect Event Code: %2 Description: %3
28082	88036db2	3	8082	Storage Cell: %1 Error creating/opening time synchronization file. Event Code: %2 Description: %3
28083	88036db3	3	8083	Storage Cell: %1 StorageCell NscList Reordered. Event Code: %2 Description: %3
28084	88036db4	3	8084	Storage Cell: %1 StorageCell NscList Mutex Get Error Event Code: %2 Description: %3
29001	88037149	3	9001	Storage Cell: %1 Virtual disk File Open Error Event Code: %2 Description: %3
29002	8803714a	3	9002	Storage Cell: %1 Virtual disk File Write Error Event Code: %2 Description: %3
29003	8803714b	3	9003	Storage Cell: %1 Virtual disk File Read Error Event Code: %2 Description: %3
29004	8803714c	2	9004	Storage Cell: %1 Virtual disk name too long Event Code: %2 Description: %3
29005	8803714d	2	9005	Storage Cell: %1 Virtual disk No String Error Event Code: %2 Description: %3
29006	8803714e	2	9006	Storage Cell: %1 Virtual disk No Object Error Event Code: %2 Description: %3
29007	8803714f	2	9007	Storage Cell: %1 Virtual disk still exists Event Code: %2 Description: %3
29008	88037150	2	9008	Storage Cell: %1 Virtual disk Invalid Value Event Code: %2 Description: %3
29009	88037151	2	9009	Storage Cell: %1 An outstanding command is still in progress for the virtual disk Event Code: %2 Description: %3
29010	88037152	2	9010	Storage Cell: %1 Requested virtual disk size exceeds the available size Event Code: %2 Description: %3
29011	88037153	2	9011	Storage Cell: %1 Virtual disk size may be expanded but not reduced Event Code: %2 Description: %3
29012	88037154	2	9012	Storage Cell: %1 Operation on a fast virtual disk deletion completed Event Code: %2 Description: %3
29013	88037155	2	9013	Storage Cell: %1 Operation on a fast virtual disk creation completed Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
29014	88037156	2	9014	Storage Cell: %1 Operation on a fast virtual disk size expansion completed Event Code: %2 Description: %3
29015	88037157	2	9015	Storage Cell: %1 Virtual disk cache data lost error Event Code: %2 Description: %3
29016	88037158	2	9016	Storage Cell: %1 Virtual disk data lost error resolved Event Code: %2 Description: %3
29017	88037159	2	9017	Storage Cell: %1 Operation rejected - The virtual disk has a sharing relationship with another object Event Code: %2 Description: %3
29018	8803715a	2	9018	Storage Cell: %1 Operation on this virtual disk was rejected due to the unit's not normal condition Event Code: %2 Description: %3
29019	8803715b	2	9019	Storage Cell: %1 Operation on this virtual disk could only be performed if unit is presented to a host Event Code: %2 Description: %3
29020	8803715c	2	9020	Storage Cell: %1 Cache policies cannot be modified if unit is presented to a host Event Code: %2 Description: %3
29021	8803715d	2	9021	Storage Cell: %1 Allowed property changes successful. (Cache policy changes not allowed, while virtual disk is presented to a host.) Event Code: %2 Description: %3
29022	8803715e	2	9022	Storage Cell: %1 Requested redundancy type cannot be implemented with the current disk group condition. Event Code: %2 Description: %3
29023	8803715f	2	9023	Storage Cell: %1 Your unit was created but cannot be presented at this time. Continue to check your unit and present it later when it is fully allocated. Event Code: %2 Description: %3
29024	88037160	2	9024	Storage Cell: %1 Operation would exceed the maximum allowable presented units. Event Code: %2 Description: %3
29025	88037161	2	9025	Storage Cell: %1 Virtual Disk Device Data Lost Error Event Code: %2 Description: %3
29026	88037162	2	9026	Storage Cell: %1 The Most Significant Hex Character in a World Wide LUN Name must be a 6 Event Code: %2 Description: %3
29027	88037163	2	9027	Storage Cell: %1 Virtual disk cache and inoperative data lost error Event Code: %2 Description: %3
29028	88037164	2	9028	Storage Cell: %1 Virtual disk inoperative data lost error Event Code: %2 Description: %3
29029	88037165	2	9029	Storage Cell: %1 Virtual disk condition failed because of an inoperative data lost error. Event Code: %2 Description: %3
30001	88037531	2	10001	Storage Cell: %1 Storage Object Broker Ready Event Code: %2 Description: %3
30002	88037532	3	10002	Storage Cell: %1 Storage Object Startup Failed Event Code: %2 Description: %3
30003	88037533	2	10003	Storage Cell: %1 Invalid storage system name Event Code: %2 Description: %3
30004	88037534	2	10004	Storage Cell: %1 Storage system is not Initialized Event Code: %2 Description: %3
30005	88037535	2	10005	Storage Cell: %1 Failed to set storage system name Event Code: %2 Description: %3
30006	88037536	6	10006	Storage Cell: %1 SOB Memory Allocation Failure Event Code: %2 Description: %3
30007	88037537	2	10007	Storage Cell: %1 Failed to find virtual disk from list Event Code: %2 Description: %3
30008	88037538	2	10008	Storage Cell: %1 Failed to find host from list Event Code: %2 Description: %3
30009	88037539	2	10009	Storage Cell: %1 The Lun specified for this Host is already in use Event Code: %2 Description: %3
30010	8803753a	2	10010	Storage Cell: %1 Your initialized system must have at least one disk group Event Code: %2 Description: %3
30011	8803753b	2	10011	Storage Cell: %1 Cannot talk to all available NSCs Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
30012	8803753c	2	10012	Storage Cell: %1 Command rejected - Folder is not empty Event Code: %2 Description: %3
30013	8803753d	2	10013	Storage Cell: %1 Command rejected - There are virtual disk(s) attached to this disk group Event Code: %2 Description: %3
30014	8803753e	2	10014	Storage Cell: %1 Command rejected - There are virtual disk(s) presented to this host Event Code: %2 Description: %3
30015	8803753f	2	10015	Storage Cell: %1 Command rejected - The virtual disk has a sharing relationship with another object Event Code: %2 Description: %3
30016	88037540	2	10016	Storage Cell: %1 Target storage system is currently being used by another process Event Code: %2 Description: %3
30017	88037541	2	10017	Storage Cell: %1 Command rejected - Number of disk groups will exceed the maximum allowable number Event Code: %2 Description: %3
30018	88037542	2	10018	Storage Cell: %1 Cannot access the password file Event Code: %2 Description: %3
30019	88037543	2	10019	Storage Cell: %1 Enterprise Login - Complete Event Code: %2 Description: %3
30020	88037544	2	10020	Storage Cell: %1 Operation rejected - Storage system should conform with the number of minimum member devices. Event Code: %2 Description: %3
30021	88037545	2	10021	Storage Cell: %1 Rediscovery of controllers - Complete Event Code: %2 Description: %3
30022	88037546	2	10022	Storage Cell: %1 Unable to establish communication with controller, check all connections. Event Code: %2 Description: %3
30023	88037547	2	10023	Storage Cell: %1 Disk Group Data Lost Error Resolution Sequence 3 - Disk Group Resolved to Normal Event Code: %2 Description: %3
30024	88037548	2	10024	Storage Cell: %1 Disk Group Data Lost Error Resolution Sequence 1 - Marked Event Code: %2 Description: %3
30025	88037549	2	10025	Storage Cell: %1 Disk Group Data Lost Error Resolution Sequence 2 - Affected Units Deleted Event Code: %2 Description: %3
30026	8803754a	2	10026	Storage Cell: %1 Disk Group Data Lost Error Resolution Sequence 3 - Disk Group Deleted Event Code: %2 Description: %3
30027	8803754b	2	10027	Storage Cell: %1 Error - Creating the virtual disk would exceed the maximum allowable count Event Code: %2 Description: %3
30028	8803754c	2	10028	Storage Cell: %1 Volume Insufficient Resources Event Code: %2 Description: %3
30029	8803754d	2	10029	Storage Cell: %1 Process mutex is locked Event Code: %2 Description: %3
30030	8803754e	2	10030	Storage Cell: %1 Invalid URL request type Event Code: %2 Description: %3
30031	8803754f	2	10031	Storage Cell: %1 Invalid URL object type Event Code: %2 Description: %3
31001	88037919	2	11001	Storage Cell: %1 Agent Startup Complete Event Code: %2 Description: %3
31002	8803791a	2	11002	Storage Cell: %1 AgentShutdown Complete Event Code: %2 Description: %3
31003	8803791b	6	11003	Storage Cell: %1 Insufficient memory to create a new object, Heap may be full! Event Code: %2 Description: %3
31004	8803791c	6	11004	Storage Cell: %1 Agent Startup Failed Event Code: %2 Description: %3
32000	88037d00	2	12000	Storage Cell: %1 Nsc Manager Interface First Status Event Code: %2 Description: %3
32001	88037d01	2	12001	Storage Cell: %1 Nsc Manager Interface No NSCs Found Event Code: %2 Description: %3
32002	88037d02	2	12002	Storage Cell: %1 Nsc Manager Interface Index Out Of Range Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
32003	88037d03	2	12003	Storage Cell: %1 Unable to process command at this time. Retry the command or check all connections. Event Code: %2 Description: %3
32004	88037d04	2	12004	Storage Cell: %1 Nsc Manager Interface Initialization Complete Event Code: %2 Description: %3
32005	88037d05	2	12005	Storage Cell: %1 Nsc Manager Interface Initialization Failed Event Code: %2 Description: %3
32007	88037d07	2	12007	Storage Cell: %1 Lock description not null but failed to get context ID Event Code: %2 Description: %3
32008	88037d08	2	12008	Storage Cell: %1 No Disk Groups Available For Access Event Code: %2 Description: %3
33001	880380e9	2	13001	Storage Cell: %1 NM Good Status Event Code: %2 Description: %3
33002	880380ea	2	13002	Storage Cell: %1 Notification Mngr Online Event Code: %2 Description: %3
33003	880380eb	2	13003	Storage Cell: %1 Notification Mngr Offline Event Code: %2 Description: %3
33004	880380ec	2	13004	Storage Cell: %1 NM Startup Complete Event Code: %2 Description: %3
33005	880380ed	6	13005	Storage Cell: %1 NM Startup Failed Event Code: %2 Description: %3
33006	880380ee	2	13006	Storage Cell: %1 Notification Succeeded Event Code: %2 Description: %3
33007	880380ef	6	13007	Storage Cell: %1 Notification Failed Event Code: %2 Description: %3
33008	880380f0	6	13008	Storage Cell: %1 Notification Failed - MLD Error Event Code: %2 Description: %3
33009	880380f1	6	13009	Storage Cell: %1 Notification Failed - Network Error Event Code: %2 Description: %3
33010	880380f2	2	13010	Storage Cell: %1 NM Shutdown Complete Event Code: %2 Description: %3
33011	880380f3	3	13011	Storage Cell: %1 NM Shutdown Failed Event Code: %2 Description: %3
33012	880380f4	2	13012	Storage Cell: %1 NM Prev Failed Notification Successfully Notified Event Code: %2 Description: %3
33013	880380f5	2	13013	Storage Cell: %1 NM SNMP Manager Online Event Code: %2 Description: %3
33014	880380f6	2	13014	Storage Cell: %1 NM SNMP Packet Sent Event Code: %2 Description: %3
33015	880380f7	6	13015	Storage Cell: %1 NM SNMP Packet Failed Event Code: %2 Description: %3
33016	880380f8	2	13016	Storage Cell: %1 NM SNMP Manager Offline Event Code: %2 Description: %3
33017	880380f9	6	13017	Storage Cell: %1 NM Memory Allocation Error Event Code: %2 Description: %3
34001	880384d1	2	14001	Storage Cell: %1 View Already Exists Event Code: %2 Description: %3
34002	880384d2	2	14002	Storage Cell: %1 View Is Not Set Event Code: %2 Description: %3
34003	880384d3	2	14003	Storage Cell: %1 No View Object(s) Found Event Code: %2 Description: %3
34004	880384d4	2	14004	Storage Cell: %1 View Index Is Out Of Range Event Code: %2 Description: %3
34005	880384d5	2	14005	Storage Cell: %1 View Object - Invalid Object Condition Event Code: %2 Description: %3
34006	880384d6	2	14006	Storage Cell: %1 View Object - Invalid Object Type Event Code: %2 Description: %3
34007	880384d7	3	14007	Storage Cell: %1 View List Pointer is NULL Event Code: %2 Description: %3
34008	880384d8	3	14008	Storage Cell: %1 View Object Pointer is NULL Event Code: %2 Description: %3
34009	880384d9	2	14009	Storage Cell: %1 Building View List Object - Complete Event Code: %2 Description: %3
34010	880384da	2	14010	Storage Cell: %1 Building View List Object - Failed Event Code: %2 Description: %3
34011	880384db	2	14011	Storage Cell: %1 View Size is Zero Event Code: %2 Description: %3
34012	880384dc	2	14012	Storage Cell: %1 View Find by UID Failed Event Code: %2 Description: %3
34013	880384dd	2	14013	Storage Cell: %1 View Find by Type Failed Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
34014	880384de	2	14014	Storage Cell: %1 View Find by Index Failed Event Code: %2 Description: %3
34015	880384df	2	14015	Storage Cell: %1 View Find by Name Failed Event Code: %2 Description: %3
34016	880384e0	2	14016	Storage Cell: %1 View Find by WWN Failed Event Code: %2 Description: %3
34017	880384e1	2	14017	Storage Cell: %1 View Find by Type by Name Failed Event Code: %2 Description: %3
34018	880384e2	2	14018	Storage Cell: %1 View Find by Name by Type Failed Event Code: %2 Description: %3
35001	880388b9	2	15001	Storage Cell: %1 Tree View Symbol Not Found Event Code: %2 Description: %3
35002	880388ba	2	15002	Storage Cell: %1 Tree View Id Symbol Not Found Event Code: %2 Description: %3
35003	880388bb	2	15003	Storage Cell: %1 Tree Cursor Symbol Not Found Event Code: %2 Description: %3
35004	880388bc	2	15004	Storage Cell: %1 Tree Cursor Id Symbol Not Found Event Code: %2 Description: %3
35005	880388bd	2	15005	Storage Cell: %1 Tree Sibling Symbol Not Found Event Code: %2 Description: %3
35006	880388be	2	15006	Storage Cell: %1 Tree Total Children Symbol Not Found Event Code: %2 Description: %3
35007	880388bf	2	15007	Storage Cell: %1 Tree Expansion Symbol Not Found Event Code: %2 Description: %3
35008	880388c0	2	15008	Storage Cell: %1 Tree Contraction Symbol Not Found Event Code: %2 Description: %3
35009	880388c1	2	15009	Storage Cell: %1 Tree Invalid Descriptor String Event Code: %2 Description: %3
36001	88038ca1	2	16001	Storage Cell: %1 Ema Short Status - Reissue Command Event Code: %2 Description: %3
36002	88038ca2	2	16002	Storage Cell: %1 Ema EMU Could Not Read ALPA Event Code: %2 Description: %3
36003	88038ca3	2	16003	Storage Cell: %1 Ema Invalid Request Event Code: %2 Description: %3
36004	88038ca4	2	16004	Storage Cell: %1 Ema Invalid Handle Set In Request Packet Event Code: %2 Description: %3
36005	88038ca5	2	16005	Storage Cell: %1 Ema No Pstore At Referenced Location Event Code: %2 Description: %3
36006	88038ca6	2	16006	Storage Cell: %1 Ema No Primary EMU Selected Event Code: %2 Description: %3
36007	88038ca7	2	16007	Storage Cell: %1 Ema Invalid SubEnclosure ID Specified Event Code: %2 Description: %3
36008	88038ca8	2	16008	Storage Cell: %1 Ema No Device Found Event Code: %2 Description: %3
36009	88038ca9	2	16009	Storage Cell: %1 Ema Request Packet Missing Parameter Event Code: %2 Description: %3
36010	88038caa	2	16010	Storage Cell: %1 Ema Could Not Find SubEnclosure in Configuration List Event Code: %2 Description: %3
36011	88038cab	2	16011	Storage Cell: %1 Ema EMU Alarm Or Status Event Information Event Code: %2 Description: %3
36012	88038cac	2	16012	Storage Cell: %1 Ema Non-specific error occurred Event Code: %2 Description: %3
36013	88038cad	2	16013	Storage Cell: %1 Ema Shelf WWN Could Not Be Accessed Through A Drive Event Code: %2 Description: %3
36014	88038cae	2	16014	Storage Cell: %1 Ema EMU Failed To Enter Primary Mode Event Code: %2 Description: %3
36015	88038caf	2	16015	Storage Cell: %1 Ema EMU Failed To Exit Primary Mode Event Code: %2 Description: %3
36016	88038cb0	2	16016	Storage Cell: %1 Ema Downloaded File Does Not Contain Valid Fibre Channel Loader [status:1] Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
36017	88038cb1	2	16017	Storage Cell: %1 Ema Downloaded File Format Is Not Recognized [status:2] Event Code: %2 Description: %3
36018	88038cb2	2	16018	Storage Cell: %1 Ema Incorrect Firmware In Downloaded File [status:3] Event Code: %2 Description: %3
36019	88038cb3	2	16019	Storage Cell: %1 Ema Downloaded Loader is Too Large [status:4] Event Code: %2 Description: %3
36020	88038cb4	2	16020	Storage Cell: %1 Ema Invalid Checksum [status:5] Event Code: %2 Description: %3
36021	88038cb5	2	16021	Storage Cell: %1 Ema Previous Offset Plus Previous Length Not Equal To Current Offset [status:6] Event Code: %2 Description: %3
36022	88038cb6	2	16022	Storage Cell: %1 Ema Downloaded Loader Terminated Incorrectly [status:7] Event Code: %2 Description: %3
36023	88038cb7	2	16023	Storage Cell: %1 Ema EMU Out Of Memory [status:8] Event Code: %2 Description: %3
36024	88038cb8	2	16024	Storage Cell: %1 Ema EMU CDB Timeout -- Download Aborted [status:9] Event Code: %2 Description: %3
36025	88038cb9	2	16025	Storage Cell: %1 Ema EMU Internal State Machine Error [status:10] Event Code: %2 Description: %3
36026	88038cba	2	16026	Storage Cell: %1 Ema EMU Flash Erasure Failure [status:11] Event Code: %2 Description: %3
36027	88038cbb	2	16027	Storage Cell: %1 Ema EMU In Primary Mode - Cannot Download To Primary EMU [status:12] Event Code: %2 Description: %3
36028	88038cbc	2	16028	Storage Cell: %1 Ema Previous Offset Plus Previous Length Greater Than Total Size [status:13] Event Code: %2 Description: %3
36029	88038cbd	2	16029	Storage Cell: %1 Ema Current Total Size Different From Previous Total Size [status:14] Event Code: %2 Description: %3
36030	88038cbe	2	16030	Storage Cell: %1 Ema Could Not Restore Reporting Group Number. Final Download Record Error Event Code: %2 Description: %3
36031	88038cbf	2	16031	Storage Cell: %1 Ema Could Not Recovery From Invop. Invop Retries Exhausted Event Code: %2 Description: %3
36032	88038cc0	2	16032	Storage Cell: %1 Ema Requested WWN Does Not Match Enclosure WWN Event Code: %2 Description: %3
36033	88038cc1	6	16033	Storage Cell: %1 Ema EMU Enclosure Services Error Occurred. EMU May Be Unavailable or Not Installed Event Code: %2 Description: %3
36034	88038cc2	2	16034	Storage Cell: %1 Ema SCSI Error Occurred While Trying To Communicate With EMU Event Code: %2 Description: %3
36035	88038cc3	2	16035	Storage Cell: %1 Ema Could Not Open EMU Firmware File Event Code: %2 Description: %3
36036	88038cc4	2	16036	Storage Cell: %1 Ema EMU Firmware File Name Is Null Event Code: %2 Description: %3
36037	88038cc5	2	16037	Storage Cell: %1 Ema EMU Firmware Download Retries Exhausted. Manual Download May Be Required Event Code: %2 Description: %3
36038	88038cc6	2	16038	Storage Cell: %1 Ema EMU Current Firmware Version Matches Upgrade Firmware Version. No Upgrade Will Be Performed. Event Code: %2 Description: %3
36039	88038cc7	2	16039	Storage Cell: %1 Ema EMU Firmware Upgrade Success Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
36040	88038cc8	2	16040	Storage Cell: %1 Ema EMU In Load State. Do Not Power Off. Reload EMU Firmware Event Code: %2 Description: %3
37001	88039089	2	17001	Storage Cell: %1 Drive Code Load Descriptor File Open Error Event Code: %2 Description: %3
37002	8803908a	2	17002	Storage Cell: %1 Drive Code Load Descriptor File Parsing Error - Invalid Line Event Code: %2 Description: %3
37003	8803908b	2	17003	Storage Cell: %1 Drive Code Load Image File Open Error, Event Code: %2 Description: %3
37004	8803908c	2	17004	Storage Cell: %1 Drive Code Load Image File Error Getting File Size Event Code: %2 Description: %3
37005	8803908d	2	17005	Storage Cell: %1 Drive Code Load Image File Buffer Allocation Error Event Code: %2 Description: %3
37006	8803908e	2	17006	Storage Cell: %1 Drive Code Load Image File Read Error Event Code: %2 Description: %3
37007	8803908f	6	17007	Storage Cell: %1 Drive Code Load Drive Firmware Update Failed Event Code: %2 Description: %3
37008	88039090	3	17008	Storage Cell: %1 Drive Code Load Drive Inquiry Failed Event Code: %2 Description: %3
37009	88039091	3	17009	Storage Cell: %1 Drive Code Load Format Command Failed Event Code: %2 Description: %3
37010	88039092	3	17010	Storage Cell: %1 Drive Code Load Format Failed Event Code: %2 Description: %3
37011	88039093	3	17011	Storage Cell: %1 Drive Code Load Restore Volume Failed Event Code: %2 Description: %3
37012	88039094	2	17012	Storage Cell: %1 Drive Code Load Get Physical Store Condition Failed Event Code: %2 Description: %3
37013	88039095	2	17013	Storage Cell: %1 Drive Code Load Get Volume Condition Failed Event Code: %2 Description: %3
37014	88039096	3	17014	Storage Cell: %1 Drive Code Load Drive Spin Up Error Event Code: %2 Description: %3
37015	88039097	2	17015	Storage Cell: %1 Drive Code Load - Complete Event Code: %2 Description: %3
37016	88039098	2	17016	Storage Cell: %1 Drive Code Load Disk Group Migration In Progress Event Code: %2 Description: %3
37017	88039099	2	17017	Storage Cell: %1 Drive Code Load Unable To Code Load Disks Part Of A Group Event Code: %2 Description: %3
38001	88039471	2	18001	Storage Cell: %1 Api Created Element Success Event Code: %2 Description: %3
38002	88039472	2	18002	Storage Cell: %1 Api Created Storage Success Event Code: %2 Description: %3
38003	88039473	2	18003	Storage Cell: %1 Api Created Storage Client Success Event Code: %2 Description: %3
38004	88039474	2	18004	Storage Cell: %1 Api Set Storage Success Event Code: %2 Description: %3
38005	88039475	2	18005	Storage Cell: %1 Api Set Element Success Event Code: %2 Description: %3
38006	88039476	2	18006	Storage Cell: %1 Api Deleted Element Success Event Code: %2 Description: %3
38007	88039477	2	18007	Storage Cell: %1 Api Deleted Storage Success Event Code: %2 Description: %3
38008	88039478	2	18008	Storage Cell: %1 Api Deleted Storage Client Success Event Code: %2 Description: %3
38009	88039479	2	18009	Storage Cell: %1 Api Created Snapshot Success
38010	8803947a	2	18010	Storage Cell: %1 Api Created Clone Success Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
38018	88039482	2	18018	Storage Cell: %1 Api Unable To Get The Lock Event Code: %2 Description: %3
38019	88039483	2	18019	Storage Cell: %1 Api Created PresentedUnit Success Event Code: %2 Description: %3
38022	88039486	2	18022	Storage Cell: %1 Api Create DiskGroup Success Event Code: %2 Description: %3
38024	88039488	2	18024	Storage Cell: %1 Api Create Folder Success Event Code: %2 Description: %3
38025	88039489	2	18025	Storage Cell: %1 Api Delete Folder Success Event Code: %2 Description: %3
38028	8803948c	2	18028	Storage Cell: %1 Api Set Folder Success Event Code: %2 Description: %3
38034	88039492	2	18034	Storage Cell: %1 Api Invalid User Name Or Password Error Event Code: %2 Description: %3
38036	88039494	2	18036	Storage Cell: %1 Api Delete Presented Unit Success Event Code: %2 Description: %3
38038	88039496	2	18038	Storage Cell: %1 Api Set Diskgroup Success Event Code: %2 Description: %3
38039	88039497	2	18039	Storage Cell: %1 Api Set Disk Success Event Code: %2 Description: %3
38040	88039498	2	18040	Storage Cell: %1 Api Delete Storage Family Success Event Code: %2 Description: %3
38041	88039499	2	18041	Storage Cell: %1 Api Set Storage Family Success Event Code: %2 Description: %3
38042	8803949a	2	18042	Storage Cell: %1 Api Control Memory Allocation Failure Event Code: %2 Description: %3
38045	8803949d	2	18045	Storage Cell: %1 Api Element Codeload Success Event Code: %2 Description: %3
38047	8803949f	2	18047	Storage Cell: %1 Api Disk Codeload Success Event Code: %2 Description: %3
38048	880394a0	2	18048	Storage Cell: %1 Api Monitor Codeload Success Event Code: %2 Description: %3
38049	880394a1	2	18049	Storage Cell: %1 Api Added Port WwID Success Event Code: %2 Description: %3
38050	880394a2	2	18050	Storage Cell: %1 Api Set Storage Client Success Event Code: %2 Description: %3
38051	880394a3	2	18051	Storage Cell: %1 Api Invalid Operation Event Code: %2 Description: %3
38052	880394a4	2	18052	Storage Cell: %1 Api Deleted Port WwID Success Event Code: %2 Description: %3
38059	880394ab	2	18059	Storage Cell: %1 Api Set Power Success Event Code: %2 Description: %3
38060	880394ac	2	18060	Storage Cell: %1 Api Element Is Not Initialized Event Code: %2 Description: %3
38063	880394af	2	18063	Storage Cell: %1 Api Error trying to delete a disk group Event Code: %2 Description: %3
38065	880394b1	2	18065	Storage Cell: %1 Api A storage (virtual disk) operation is in progress. Try again later. Event Code: %2 Description: %3
38066	880394b2	2	18066	Storage Cell: %1 Api The storage (virtual disk) condition is invalid. The storage may be in error. Try again later. Event Code: %2 Description: %3
38067	880394b3	2	18067	Storage Cell: %1 Api Error calling get virtual disk condition. Virtual disk may be deleted. Try again later. Event Code: %2 Description: %3
38068	880394b4	2	18068	Storage Cell: %1 Api Invalid initialization of the API. Cannot start monitoring process which limits storage cell actions. Event Code: %2 Description: %3
38070	880394b6	2	18070	Storage Cell: %1 Api A command is currently under execution from another API call. Try again later. Event Code: %2 Description: %3
38071	880394b7	2	18071	Storage Cell: %1 Api The server has not completed initialization, cannot process the request. Event Code: %2 Description: %3
38073	880394b9	2	18073	Storage Cell: %1 Api Removing of disk from disk group successfull Event Code: %2 Description: %3
38074	880394ba	2	18074	Storage Cell: %1 Api Adding of disk(s) to disk group successfull Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
38075	880394bb	2	18075	Storage Cell: %1 Api Modify monitor properties successfull Event Code: %2 Description: %3
38076	880394bc	2	18076	Storage Cell: %1 Api Element name too long. Maximum is 20 characters. Event Code: %2 Description: %3
38079	880394bf	2	18079	Storage Cell: %1 Api The basic license cannot be validated. Either the license key has not been entered, or there is a system communication failure. Event Code: %2 Description: %3
38080	880394c0	2	18080	Storage Cell: %1 Api The snapshot/Snapclone license cannot be validated. Either the license key has not been entered, or there is a system communication failure. Event Code: %2 Description: %3
38081	880394c1	2	18081	Storage Cell: %1 Api The folder operation is not valid for the specified folder. Either the folder is a root folder and cannot be modified, or it is a disk group folder for which you should use 'set group' command. Event Code: %2 Description: %3
38082	880394c2	2	18082	Storage Cell: %1 Api Cannot create the clone copy because the target storage is not presented. Event Code: %2 Description: %3
39001	88039859	3	19001	Storage Cell: %1 Storage Cell Lock Error Event Code: %2 Description: %3
39002	8803985a	2	19002	Storage Cell: %1 Storage Cell Deleted Event Code: %2 Description: %3
39003	8803985b	2	19003	Storage Cell: %1 An outstanding command is in-progress for the selected storage system. Please try again later. Event Code: %2 Description: %3
39004	8803985c	2	19004	Storage Cell: %1 Lock Wait Time too large Event Code: %2 Description: %3
39005	8803985d	2	19005	Storage Cell: %1 Place Request In Q Failed Event Code: %2 Description: %3
39006	8803985e	2	19006	Storage Cell: %1 No Match for Q Found Event Code: %2 Description: %3
39007	8803985f	2	19007	Storage Cell: %1 Agent Wait Timeout Event Code: %2 Description: %3
39008	88039860	3	19008	Storage Cell: %1 Free Lock Unsuccessful Event Code: %2 Description: %3
39009	88039861	3	19009	Storage Cell: %1 Lock Manager Mutex Timeout Error Event Code: %2 Description: %3
39010	88039862	6	19010	Storage Cell: %1 Lock Queue Memory Allocation Failure Event Code: %2 Description: %3
40001	88039c41	6	20001	Storage Cell: %1 LicMngr Memory Allocation Failure Event Code: %2 Description: %3
40002	88039c42	2	20002	Storage Cell: %1 LicMngr Startup Complete Event Code: %2 Description: %3
40003	88039c43	6	20003	Storage Cell: %1 LicMngr Startup Failed Event Code: %2 Description: %3
40004	88039c44	2	20004	Storage Cell: %1 License successfully checked out Event Code: %2 Description: %3
40005	88039c45	3	20005	Storage Cell: %1 License checkout failed Event Code: %2 Description: %3
40011	88039c4b	3	20011	Storage Cell: %1 License Line has an incorrect format Event Code: %2 Description: %3
40012	88039c4c	3	20012	Storage Cell: %1 License file with this Node WWID is missing Event Code: %2 Description: %3
40013	88039c4d	6	20013	Storage Cell: %1 License Library runtime error Event Code: %2 Description: %3
40014	88039c4e	6	20014	Storage Cell: %1 New License Job invocation failed Event Code: %2 Description: %3
40015	88039c4f	3	20015	Storage Cell: %1 Failed to retrieve Node WWN from storage system Event Code: %2 Description: %3
40016	88039c50	3	20016	Storage Cell: %1 Failed to retrieve license list from MLD Event Code: %2 Description: %3
40017	88039c51	3	20017	Storage Cell: %1 Failed to write license list to MLD Event Code: %2 Description: %3
40018	88039c52	3	20018	Storage Cell: %1 This license line appears to be invalid Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
40019	88039c53	3	20019	Storage Cell: %1 MLD Manager Handle is NULL - unable to update MLD License List Event Code: %2 Description: %3
40020	88039c54	6	20020	Storage Cell: %1 LicMgr: StorageCell Handle is NULL Event Code: %2 Description: %3
40021	88039c55	2	20021	Storage Cell: %1 The license you entered is a valid license but not for the Node WWN on this controller pair Event Code: %2 Description: %3
40022	88039c56	2	20022	Storage Cell: %1 Function name string is null or in an incorrect format Event Code: %2 Description: %3
40023	88039c57	2	20023	Storage Cell: %1 Version string is null or in an incorrect format Event Code: %2 Description: %3
41001	8803a029	2	21001	Storage Cell: %1 HSV Upgrade Manager Image File Open Error Event Code: %2 Description: %3
41002	8803a02a	2	21002	Storage Cell: %1 HSV Upgrade Manager Image File Buffer Allocation Error Event Code: %2 Description: %3
41003	8803a02b	2	21003	Storage Cell: %1 HSV Upgrade Manager Image File Read Error Event Code: %2 Description: %3
41004	8803a02c	2	21004	Storage Cell: %1 HSV Upgrade Manager Event File Write Error Event Code: %2 Description: %3
41005	8803a02d	2	21005	Storage Cell: %1 HSV Upgrade Manager Drive Firmware Update Failed Event Code: %2 Description: %3
41006	8803a02e	2	21006	Storage Cell: %1 HSV Upgrade Manager Global Header Edc Compute Error Event Code: %2 Description: %3
41007	8803a02f	2	21007	Storage Cell: %1 HSV Upgrade Manager Image Header Edc Compute Error Event Code: %2 Description: %3
41008	8803a030	2	21008	Storage Cell: %1 HSV Upgrade Manager Image Type Exceeds Max Image Count Event Code: %2 Description: %3
41009	8803a031	2	21009	Storage Cell: %1 HSV Upgrade Manager Image Type Not Controller Image Event Code: %2 Description: %3
41010	8803a032	2	21010	Storage Cell: %1 HSV Upgrade Manager Image Size Exceeded Event Code: %2 Description: %3
41011	8803a033	2	21011	Storage Cell: %1 HSV Upgrade Manager Event File Open Error Event Code: %2 Description: %3
41012	8803a034	2	21012	Storage Cell: %1 HSV Upgrade Manager Image Edc Compute Error Event Code: %2 Description: %3
41013	8803a035	2	21013	Storage Cell: %1 HSV Upgrade Manager Begin Text Not Found Event Code: %2 Description: %3
41014	8803a036	2	21014	Storage Cell: %1 HSV Upgrade Manager After Text Not Found Event Code: %2 Description: %3
41015	8803a037	2	21015	Storage Cell: %1 HSV Upgrade Manager File Format Version Mismatch Event Code: %2 Description: %3
41016	8803a038	2	21016	Storage Cell: %1 HSV Upgrade Manager Global Header Format Version Mismatch Event Code: %2 Description: %3
41017	8803a039	2	21017	Storage Cell: %1 HSV Upgrade Manager Product Information Was Not Found Event Code: %2 Description: %3
42001	8803a411	3	22001	Storage Cell: %1 Trace: Unable to write management agent trace file Event Code: %2 Description: %3

Table 9: HSV Element Manager Event Codes: Management Agent Events (Continued)

Event ID	Event Code	Severity	Evt. No.	Description
42002	8803a412	2	22002	Storage Cell: %1 Trace: file write succeeded Event Code: %2 Description: %3
43002	8803a7fa	3	23002	Storage Cell: %1 Diagnostic The view list has errors Event Code: %2 Description: %3
43003	8803a7fb	6	23003	Storage Cell: %1 Diagnostic Memory allocation failure Event Code: %2 Description: %3

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