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MESSAGE SECTION

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1. Messages that Occur During Maintenance Work

The following shows the correspondence to the document describing the code system, the text and troubleshooting of the messages that occur during the maintenance work.
When the troubleshooting is not displayed in the message window, see the following table.

Code System		Example	Description	Reference
SSS XXXX Y SSS : Three-digit alphabetical character XXXX : Four-digit number Y : “i”, “W” or “E”		INF4554i	A message that occurs while operating the “MPC” window.	3. MPC Message ID
XXXXX-YYYYYY XXXXX : Up to five-digit number (*1) YYYYYY : Up to six-digit number (*1)				
	When the first three-digit of XXXX is as follows 210, 215, 216, 218, 220	21041-005000	A message that occurs while operating the Storage Device List or running the batch command on SVP	<Installation directory of Maintenance PC>\wk\supervisor\sdlist\help\sdl_message_ja.html
	When the first three-digit of XXXXX is as follows 214 (*2)	21440-207015	A message that occurs while operating the Storage Device List or running the batch command on SVP	<Installation directory of Maintenance PC>\wk\supervisor\sdlist\help\sdl_message_ja.html Storage Navigator Message Guide
	Other than the above	30062-203201 7005-6023 (*1)	A message that occurs while operating Storage Navigator or Maintenance Utility	Storage Navigator Message Guide
Twelve-digit starting with “TR”		TRCOMM000004	A troubleshooting code on Storage Device List	<Installation directory of Maintenance PC>\wk\supervisor\sdlist\help\sdl_message_ja.html
XXXX XXXX : Four-digit number		1017	An event log ID that occurs while operating NAS Manager	4. NAS Manager Event Log ID

*1: If this is less than the maximum digit number, zero at the beginning might be omitted and displayed in the message window. Add zero (0) to the beginning of the number to see the message code of the number less than the maximum digit number in “Storage Navigator Message Guide”. For example, see “07005 006023” for “7005-6023”.

*2: A part of the message “214XX-YYYYYY” is described in “Storage Navigator Message Guide”.

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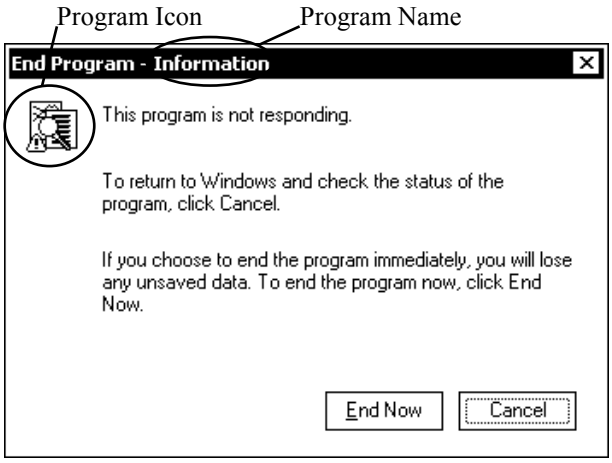
2. Action by Warning Messages

[Explanation] : <Important CAUTION>
This operation is a procedure of a new installation or configuration restoration. A procedure of addition or removal is a different operation.
Select the [Cancel] button to terminate the processing and execute from “Install-Change Configuration” or “Storage Navigator”.

[Action] : Confirm the maintenance work in the maintenance manual.

[Explanation] : This program is not responding. The program may not be responding temporarily.

[Action] : Click the [Cancel] button after waiting for a while, and continue the work.



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3. MPC Message ID

3.1 About Message ID

The Maintenance PC assigns ID to some messages to display.
This session describes all messages with the ID assigned by the Maintenance PC.
The ID is sorted in the ascending order. If messages with the assigned ID are displayed, search and refer to the description of the corresponding messages.

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3.2 Message ID Format

Message ID has a following format in the Maintenance PC.

Format : [SSS XXXX Y]

Item	Description
SSS	Application ID in which displayed the message was created
XXXX	Message ID (Decimal number from 0000 to 9999)
Y	Kind of Message. There are 3 kinds as followed. • I : Information • W : Warning/Error or important confirmation • E : Fatal Error

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3.3 Note

In this MESSAGE SECTION, “%s”, “%d” and “%x” are displayed in the messages text.
These are variables which are determined in execution.

- %s means a string variable.
- %d means a decimal numeric variable.
- %x means a hexadecimal numeric variable.

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3.4 MPC Message ID Table

ID	Kind	Description
0029	E	Internal error has occurred. (Error Code = %04X)
	[Contents]	An internal error has occurred.
	[Action]	Gather Auto Dump and contact the Technical Support Division.
0066	W	Pinned Track exists. Do you want to stop this process?
	[Contents]	PIN data exists. Do you stop the processing?
	[Action]	[Yes]: Stop the processing. [No] : Contact the Technical Support Division and enter the password.
0088	E	Internal fatal error has occurred.
	[Contents]	An error has occurred in the internal processing.
	[Action]	Terminate the application program or reboot the Maintenance PC.
0110	E	Memory Allocate Error!!!
	[Contents]	An file failure has occurred in the Maintenance PC.
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.

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ID	Kind	Description
0117	E	Connection error occurred. MPC Software-DKC
	[Contents]	An error has occurred in the Communication between the MPC Software and DKC.
	[Action]	Check the status. If the status is normal, continue the processing. If the status is abnormal, follow the procedure to isolate the problem. 1. Reboot the Maintenance PC 2. Check the LAN card/LAN cable 3. Check the IP address of the Maintenance PC 4. Replace the Maintenance PC 5. Power off the DKC (Make sure to confirm with a system administrator of the system concerned), and then power on the DKC.
0121	E	Memory allocation error occurred.
	[Contents]	MPC Software self-inconsistency.
	[Action]	Reboot the Maintenance PC. If the error cannot be recovered, replace the Maintenance PC.
0123	E	File I/O error occurred.
	[Contents]	File failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
0125	W	Cluster-1 is failed!
	[Contents]	An error was detected in the cluster 1. The cluster recovery might become necessary.
	[Action]	Refer to the SIM/SSB log.
0126	W	Cluster-2 is failed!
	[Contents]	An error was detected in the cluster 2. The cluster recovery might become necessary.
	[Action]	Refer to the SIM/SSB log.

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ID	Kind	Description
0132	E	Error : Connection initialization failed.
	[Contents]	MPC Software self-inconsistency.
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
0219	E	Cannot delete HD file !!
	[Contents]	File failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
0235	I	File copy was canceled !
	[Contents]	Cancellation of the copy process.
	[Action]	None
0246	E	A compressing file was in competition with other application. Please retry again.
	[Contents]	An error has occurred in the compression process.
	[Action]	Confirm the memory capacity in the maintenance PC, and then check whether the recommended memory capacity is installed. If more than the recommended memory capacity is installed, reboot the maintenance PC to check that applications other than MPC Software are not starting, and then reboot again. If the same phenomenon persists, replace the maintenance PC. If the same problems still occurs even after exchanged the maintenance PC, contact the Technical Support Division. In that case, collect the following files by manual. • C:\Mapp\wk\supervisor\dkc200\secruise\secruise.log • C:\Mapp\wk\xxxxyyyyyy\DKC200\mp\pc\TR32002E.TRC (xxxx: DKC model name,yyyyyy: serial number)

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ID	Kind	Description
0339	E	This application is already running.
	[Contents]	The application is already running.
	[Action]	None
0342	I	This will end the %s.
	[Contents]	End of the application.
	[Action]	None
0356	W	A related log is not found. Possible causes include: the log has been overwritten because the number of logs exceeded the maximum, the log is not created because it is a log whose creation is restricted, or the DKC has not sent the log yet.
	[Contents]	A related log is not found. The log has been overwritten because the number of logs exceeded the maximum, the log is not created because it is a log whose creation is restricted, or the DKC has not sent the log yet.
	[Action]	The related log is not available if it was overwritten or it is a log whose creation is restricted. If the DKC has not sent the log yet, wait for a few minutes, and then retry the operation.

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ID	Kind	Description
0422	E	MPC Software-DKC data communication was in failure. You should confirm that data sending task is in action.
	[Contents]	Communication with the DKC resulted in time-out.
	[Action]	Isolate problems according to the following procedure. 1. Reboot the Maintenance PC. 2. Check the LAN card/LAN cable. 3. Check the IP address of the Maintenance PC. 4. Replace the Maintenance PC. 5. Power off the DKC (Make sure to confirm with a system administrator of the system concerned), and then power on the DKC.
0428	W	This function is available in Modify mode. Please vary the current mode to Modify.
	[Contents]	This function can be used only in the modify mode.
	[Action]	Set the mode to "Modify".
0429	E	The configuration information is being updated or invalid. Refer to [Action] in the maintenance manual, and follow the instruction.
	[Contents]	Failed to refer some data due to one of the following reasons: 1. The configuration information is being updated. 2. The configuration information is invalid.
	[Action]	Take the following actions: 1. Wait for a while, and then retry the operation. In the case of being updated the configuration information, the problem is solved on completion of the update. If failed to recover after the retry, the configuration information of the Maintenance PC may be mismatched with that of the DKC. Go to Step 2. 2. Synchronize the configuration information with that of the DKC. Select [Execute] → [Refresh] from the menu on the Maintenance PC window. If failed to recover after synchronization of the configuration information, go to Step 3. 3. Reboot the Maintenance PC. If failed to recover after rebooting the Maintenance PC, the Storage System itself may have failures. Go to Step 4. 4. Replace the Maintenance PC.

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ID	Kind	Description
0462	I	Are you sure you want to install the defined configuration?
	[Contents]	May the initial configuration setting be executed?
	[Action]	Answer to the inquiry.
0469	E	Communication error has occurred.
	[Contents]	A communication error has occurred.
	[Action]	Isolate problems according to the following procedure. 1. Reboot the PC. 2. Check the LAN card/Land cable. 3. Check the IP address of the PC. 4. Replace the PC. 5. Power off the DKC (Make sure to confirm with a system administrator of the system concerned), and then power on the DKC. 6. When using Web Console Server, check the connection between CLIENT and SERVER first. Then, execute the above 1 to 5.

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ID	Kind	Description
0527	E	Memory lock error.
	[Contents]	Memory failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
0562	I	Do you want to replace the PCB(s) by using the normal replacement procedure? Yes = Normal replacement No = Forcible replacement. (possible critical errors)
	[Contents]	An error prevention check detected it.
	[Action]	Select either of them according to the message.
0566	I	Renewal process has completed. Please check storage system status.
	[Contents]	Normal completion message of addition/removal
	[Action]	Refer to the status of the added/removed part and check if the addition/removal is completed normally.
0579	I	Do you want to restore the DKB(s) now?
	[Contents]	Do you recover the DKB?
	[Action]	Answer to the inquiry.
0615	W	Internal storage system status is under maintenance(%s). No maintenance can be performed now. Do you want to stop this process?
	[Contents]	The Storage System (%s) is under maintenance. No other maintenance operations can be performed. Terminate the processing once, and wait until the maintenance is completed. Do you stop the processing?
	[Action]	Terminate the processing once and wait until the maintenance is completed. Refer to the TROUBLE SHOOTING SECTION (Recovery Procedures for Status in changing is not released).

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ID	Kind	Description
0722	W	Pending CFW data exist. Cache maintenance is prohibited.
	[Contents]	Cache maintenance is inhibited because the CFW data remains.
	[Action]	Wait for a while, and then retry.
0732	W	A failed part still exists and should be serviced first. Do you want to stop this process?
	[Contents]	Do you continue the maintenance though there is a failed or blocked part?
	[Action]	Confirm the status/log and solve the problem or continue the maintenance if necessary.
0733	W	Confirm the blocked part with the Maintenance function, and restore it first.
	[Contents]	Recover the blocked part, and then perform the maintenance.
	[Action]	Confirm the Status/log and recover the problem.
0734	W	Internal storage system status is under maintenance(%s). No maintenance can be performed now.
	[Contents]	Maintenance work is inhibited.
	[Action]	Wait until maintenance can be executed. Refer to the TROUBLE SHOOTING SECTION (Recovery Procedures for Status in changing is not released).
0753	E	There is no response from DKC within the time limit.
	[Contents]	Response from the DKC resulted in time-out.
	[Action]	Gather one-touch dump/FD copy and call the Technical Support Division.

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ID	Kind	Description
0807	E	MPC Software requirement is rejected by DKC. You should confirm status of the target.
	[Contents]	Instructions of the MPC Software were rejected by the DKC.
	[Action]	Refer to the Status/log and recover the problem.
0808	W	Some physical devices could not be equipped. To solve the problem, check the physical/logical device status and refer to TROUBLE SHOOTING SECTION of Maintenance Manual.
	[Contents]	Some physical devices are blocked. Check the status in the “Maintenance” window and the error log in the “Information” window, and then refer to TROUBLE SHOOTING SECTION of Maintenance Manual.
	[Action]	To solve the problem, check the status and the log and refer to TROUBLE SHOOTING SECTION of Maintenance Manual.
0813	E	Updating process of the configuration information ends abnormally. Refer to the Maintenance and recover blocked parts. Then, refer to the configuration information from Maintenance Utility. If the configuration change is not completed, retry the updating process with the same configuration.
	[Contents]	Update process of the configuration information terminates abnormally. Refer to the Maintenance and recover the blocked parts. Then, refer to the configuration information from Maintenance Utility. If the configuration change is not completed, retry the update process with the same configuration.
	[Action]	Refer to the Maintenance and recover the blocked parts. Then, refer to the configuration information from Maintenance Utility. If the configuration change is not completed, retry the update process with the same configuration.

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ID	Kind	Description
0817	E	Installation(removal) is not yet completed. It must be taken up first before new installation(removal). Please redefine configuration as what you wanted to install(removal), then renew storage system again.
	[Contents]	Addition (removal) is not completed.
	[Action]	Operate according to the message.
0818	W	Installation(removal) is not yet completed. installation(removal) will be taken up from now. But, first of all, configuration must be redefined as what you wanted to install(removal). Have you already redefined it?
	[Contents]	Addition(removal) is not completed.
	[Action]	Operate according to the message.
0839	I	Please confirm you have already varied off the concerned Channel paths for all HOST connected to this PCB. If OK, please press [OK].
	[Contents]	Check if the connection with the channel path for all HOST connected to this PCB is placed offline.
	[Action]	After checking it, answer to the inquiry.
0843	I	Check the location of the target PCB(s)(%s) , then pull out the PCB(s) without considering the status of LED.
	[Contents]	Check the location of the removal target PCB (%s) and remove the target PCB regardless of the LED status.
	[Action]	Check the location of the removal target PCB (%s) and remove the target PCB regardless of the LED status.

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ID	Kind	Description
0870	I	The removing does not change the configuration information. Confirm the setting.
	[Contents]	The configuration is not changed.
	[Action]	Enter correct data.
0873	W	Storage system is now under initializing. Please retry after minutes.
	[Contents]	Initialization is being executed in the Storage System.
	[Action]	Wait for a few minutes and retry.
0904	W	A failed part still exists and should be serviced first.
	[Contents]	A failed or blocked part exists.
	[Action]	Refer to the status/log and recover from the problem.
0909	W	Pinned Track exists.
	[Contents]	A PIN data exists.
	[Action]	Execute the restoration of the PIN data.

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ID	Kind	Description
0946		MPC
	[Contents]	MPC (title)
	[Action]	None
0971	W	The environment monitor function cannot be restarted. Perform a dummy replacement of the CTL. If not recovered yet, replace the CTL.
	[Contents]	The environment monitor function cannot restart.
	[Action]	Perform a dummy replacement of the CTL. Perform the dummy replacement of the CTL in the order from cluster 1 to cluster 2. If not recovered yet, replace the CTL.
0993	E	The connection failed.
	[Contents]	An error has occurred in the communication.
	[Action]	Contact the Technical Support Division.
1005	W	Entered password is invalid.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1043	I	Process is normal end.
	[Contents]	The processing is completed.
	[Action]	None

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ID	Kind	Description
1063	E	File I/O error has occurred.
	[Contents]	File failure in the Maintenance PC.
	[Action]	Reboot the Maintenance PC. If the problem persists, replace the Maintenance PC.
1064	E	Memory error has occurred.
	[Contents]	Memory failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1073	E	The version of firmware is inconsistent with the MPC Software.
	[Contents]	The firmware versions of the DKCMAIN and the MPC Software are inconsistent with each other.
	[Action]	Execute the firmware version up to make the combination correctly.
1320	W	Invalid character in Error code. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1321	W	Invalid character in F/M. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.

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ID	Kind	Description
1322	W	Invalid character in DAY(DD). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1323	W	Invalid value in DAY(DD). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1324	W	Invalid character in HOUR(hh). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1325	W	Invalid value in HOUR(hh). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1326	W	Invalid character in MINUTE(mm). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1327	W	Invalid value in MINUTE(mm). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1328	W	Invalid character in MONTH(MM). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1329	W	Invalid value in MONTH(MM). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1330	W	Invalid character in SECOND(ss). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.

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ID	Kind	Description
1331	W	Invalid value in SECOND(ss). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1332	W	Invalid character in YEAR(YY). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1333	W	Invalid value in YEAR(YY). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1334	W	Invalid character in LDEV. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1335	W	Invalid value in LDEV. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1336	W	Invalid character in From date. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1337	W	Invalid character in DATE(DD). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1338	W	Invalid value in DATE(DD). Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1339	W	Invalid character in Bit Pattern1. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.

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ID	Kind	Description
1340	W	Invalid character in Byte No1. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1341	W	Invalid value in Byte No1. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1342	W	Invalid character in E/F. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1343	W	Invalid character in Byte No2. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1344	W	Invalid character in Bit Pattern2. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1345	W	Invalid value in Byte No2. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1346	W	Invalid value in PDEV. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1347	W	No Value in Date/Time!!! Please set a valid Date/Time.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1348	W	Invalid Date range. Please adjust From/To Date.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.

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ID	Kind	Description
1350	W	No Value in Error Code!!! Please set a valid Error Code.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1352	W	No Value in Format/Message!!! Please set a valid Format/Message.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1353	W	No Value in Byte No1/Bit Pattern1!!! Please set a valid Byte No/Bit Pattern.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1354	W	No Value in Byte No2/Bit Pattern2!!! Please set a valid Byte No/Bit Pattern.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1355	W	No Value in PDEV!!! Please set a valid PDEV.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1356	W	Invalid character in PDEV. Please reset input value.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
1357	E	Parameter Error !!!(1) Usage ssbsrh param_adr_str
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.

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ID	Kind	Description
1358	E	Cannot open ssb logfile!!!
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1359	E	Cannot read header ssb logfile!!!
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1360	E	Cannot create output file!!!
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1361	E	Cannot malloc read buffer!!! return FALSE
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1362	E	Cannot open ssb logfile!!! return FALSE
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1363	E	Logfile read short return short:0
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.

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ID	Kind	Description
1364	E	Logfile read short return short:1
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1365	E	Logfile read short return short:2
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1366	E	Logfile read short return short:3
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1367	E	Cannot Set timer!!!
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1368	E	Cannot open ssb.dsp!!!
	[Contents]	Failure in the Maintenance PC
	[Action]	Reboot the Maintenance PC. If it is unrecoverable, replace the Maintenance PC.
1391	W	Invalid Password.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.

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ID	Kind	Description
1397	I	Are you sure you want to terminate the ACE/FACE?
	[Contents]	Do you terminate the ACE/FACE?
	[Action]	Answer to the inquiry.
1398	W	LCP is not selected.
	[Contents]	The LCP is not selected.
	[Action]	Select an LCP.
1399	W	Processor is not selected.
	[Contents]	The processor is not selected.
	[Action]	Select a processor.
1401	I	CUDG will be stopped. Processor:%s
	[Contents]	CUDG stopped.
	[Action]	Select [Yes] to terminate the processor.
1408	I	Too many groups or items are specified.
	[Contents]	Two or more groups or items were specified.
	[Action]	Specify only one group or item.
1411	I	CUDG will be restarted. Processor:%s
	[Contents]	CUDG restarted.
	[Action]	Select [Yes] to restart the processor.
1412	I	Have you already varied off all the paths?
	[Contents]	Is the CPU disconnected?
	[Action]	If disconnected from CPU, select [Yes].
1413	I	You can do CUDG under off-line.
	[Contents]	CUDG can be executed in the off-line mode.
	[Action]	None
1414	W	Illegal Action Time.
	[Contents]	Illegal action count
	[Action]	Enter the correct value (1-9999).
1415	I	CUDG will be interrupted. Processor:%s
	[Contents]	The processing stopped.
	[Action]	None

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ID	Kind	Description
1419	E	Inline CUDG can not execute.
	[Contents]	Reboot the PC, and re-execute.
	[Action]	Reboot the PC, and re-execute.
1420	W	Illegal Routine No.
	[Contents]	Illegal routine No.
	[Action]	Enter the correct routine number.
1423	I	Take off jumper wire.
	[Contents]	Remove the jumper.
	[Action]	Remove the jumper.
1424	E	No response from DKC.
	[Contents]	A communication error with the DKC has occurred.
	[Action]	Isolate problems according to the following procedure. 1. Reboot the Maintenance PC. 2. Check the LAN card/LAN cable. 3. Check the IP address of the Maintenance PC. 4. Replace the Maintenance PC. 5. Power off the DKC (Make sure to confirm with a system administrator of the system concerned), and then power on the DKC.
1426	I	Join jumper wire.
	[Contents]	Set a jumper.
	[Action]	Set a jumper.
1428	I	There is no processor for interrupt.
	[Contents]	There is no processor to stop CUDG.
	[Action]	-
1429	I	There is no processor for stop.
	[Contents]	There is no processor to stop CUDG.
	[Action]	-
1430	I	Turn off the power supply of DKC.
	[Contents]	Power off the DKC.
	[Action]	Power off the DKC.

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ID	Kind	Description
1433	I	There is no processor for restart.
	[Contents]	-
	[Action]	-
1437	I	Select single processor.
	[Contents]	Select only one processor.
	[Action]	Select only one processor.

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ID	Kind	Description
2031	W	Devices to be maintained include volumes of True Copy/Universal Replicator or command devices defined by the BC Manager. Delete pairs of True Copy/Universal Replicator or command devices defined by the BC Manager.
	[Contents]	Devices to be maintained include volumes of True Copy/Universal Replicator or command devices defined by the BC Manager. Delete pairs of True Copy/Universal Replicator or command devices defined by the BC Manager.
	[Action]	Click [OK] to stop the operation. It is needed to release pairs of True Copy/Universal Replicator or command devices defined by the BC Manager.
2034	W	Devices to be maintained include volumes of True Copy/Universal Replicator. From the MCU, delete pairs of True Copy/Universal Replicator.
	[Contents]	Devices to be maintained include volumes of True Copy/Universal Replicator. From the SVP of the MCU, delete pairs of True Copy/Universal Replicator.
	[Action]	Click [OK] to stop the operation. Discuss with the customer to release pairs of True Copy/Universal Replicator, and then retry the maintenance process.

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ID	Kind	Description
2079	W	Copying of True Copy/Universal Replicator is in progress. Wait for copying completion or delete or suspend the pair from the MCU. Do you want to stop the process?
	[Contents]	Copying of True Copy/Universal Replicator is in progress. Wait for copying completion or delete or suspend the pair from the MCU. Do you terminate the maintenance processing?
	[Action]	[Yes]: Terminate the maintenance processing. Wait for copying completion, or discuss with the customer to delete pairs from the MCU or suspend them. And then retry the maintenance operation. [No]: Continue the maintenance processing.

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ID	Kind	Description
2118	W	This storage system is used by Remote Replication. The RCU needs to be deleted because the management of the Remote Replication pair might not be maintained. Do you want to stop this process?
	[Contents]	This Storage System is used by Remote Replication. The RCU needs to be deleted because the management of the Remote Replication pair may be impossible. Do you terminate this processing?
	[Action]	[Yes]: Terminate the maintenance processing. Consult with the customer to delete RCU, and then retry the processing. [No]: Continue the processing.
2119	W	This storage system is being used by True Copy/Universal Replicator. As the status management of True Copy/Universal Replicator may fail, the RCU must be deleted from the MCU. Do you want to stop the process?
	[Contents]	This storage system is being used by True Copy/Universal Replicator. As the status management of True Copy/Universal Replicator may fail, the RCU must be deleted from the MCU. Do you terminate the processing?
	[Action]	[Yes]: Terminate the maintenance processing. Consult with the customer to delete RCU from the MCU side, and then retry the processing. [No]: Continue the processing.
2132	E	The target has connected SCSI channel port. Please delete the connected SCSI Path at first.
	[Contents]	The target has connected SCSI channel port. Delete the connected SCSI Path at first.
	[Action]	Erase the SCSI path setting, and then remove the target parts.
2138	E	Not enough memory. Please exit other applications and retry again.
	[Contents]	Insufficient system memory.
	[Action]	Terminate other applications, and then restart.

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ID	Kind	Description
2219	E	The configuration information is different. Check the media or file of the configuration information and install the correct version of the configuration information.
	[Contents]	There is no drive/LDEV emulation type you can select.
	[Action]	Check the CONFIG version. If incorrect, install a CONFIG file of the correct version.
2228	E	Operation was rejected by the controller.
	[Contents]	DKC rejected the LDEV reference/setting command.
	[Action]	Retry the operation.
2231	E	Logical error has occurred. Reboot the Maintenance PC and retry the operation.
	[Contents]	Logical error has occurred.
	[Action]	Reboot the Maintenance PC and retry the operation. If the same phenomenon still occurs, contact the Technical Support Division.
2234	E	Enter correct number (%u-%u).
	[Contents]	Enter values between (x) and (y)
	[Action]	Enter values between (x) and (y)

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ID	Kind	Description
2268	W	Exclusive task (Install, Diagnosis, Replace, etc.) is already running on Maintenance PC. Please try this operation after finishing the task.
	[Contents]	The work programs such as installation, diagnosis, parts replacement and PAV are running in the Maintenance PC. Retry the operation after completing these programs.
	[Action]	The work programs such as installation, diagnosis, parts replacement and PAV are running in the Maintenance PC. Retry the operation after completing these programs.
2272	E	No value in %s area. Please input a value.
	[Contents]	There is no value in xx area.
	[Action]	Enter a value.
2274	E	Invalid character in %s area. Please input a valid value.
	[Contents]	The character string in %s area is invalid.
	[Action]	Enter a correct value.

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ID	Kind	Description
2281	I	ORM Value is initialized.
	[Contents]	ORM Value is initialized.
	[Action]	Click [OK].
2282	W	Are you sure you want to initialize ORM Value?
	[Contents]	Do you initialize ORM Value?
	[Action]	To execute Initialize ORM Value, select [Yes]. To cancel, select No.
2283	I	Are you sure you want to cancel this function?
	[Contents]	When you select [Cancel] in the Define Configuration window, this message is displayed to confirm the operation.
	[Action]	If you press [YES], the Define Configuration window is terminated. If you press [NO], it continues.
2286	W	A pre-check error occurred (Error Code = %lx). Do you want to stop processing?
	[Contents]	An internal logical error has occurred by a maintenance inhibition check. Do you terminate the maintenance processing?
	[Action]	[Yes]: Suspend the maintenance processing. [No]: Continue the maintenance processing.
2287	W	Storage system is now under P/S off process.
	[Contents]	This operation was inhibited, because the Storage System is under P/S off process.
	[Action]	Retry after P/S on.
2288	W	Configuration set up job is now running at storage system processor. Please retry again.
	[Contents]	This operation was inhibited, because the Storage System is under P/S off process and busy.
	[Action]	Retry after waiting for a while.
2289	W	Data may be lost or channel paths to the host CPU may be lost due to this operation.
	[Contents]	This operation was inhibited because data in the logical device or a channel path to the host is lost.
	[Action]	Maintain other blocked parts before this operation.
2290	E	Data in the logical devices will be lost due to this operation.
	[Contents]	This operation was inhibited because data in the logical device is lost.
	[Action]	Maintain other blocked parts before this operation.

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ID	Kind	Description
2291	E	You should not restore logical devices, because data will be lost due to this operation.
	[Contents]	This operation was inhibited because data is lost.
	[Action]	Maintain other blocked parts before this operation.
2292	E	This operation will cause fatal damage to storage system data. Another redundant cache memory has been already blocked. Please maintain the blocked cache memory first.
	[Contents]	This operation was inhibited because both Cache are blocked.
	[Action]	Maintain the other Cache before this operation.
2317	I	Are you sure you want to restore the physical device?
	[Contents]	This message is displayed to confirm the physical device recovery.
	[Action]	[Yes]: Continue the processing. [No]: Suspend the processing.
2319	I	Remove the media.
	[Contents]	Collecting information is completed. Remove the media.
	[Action]	Remove the media and click [OK].

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ID	Kind	Description
2336	I	Are you sure you want to correct data in the physical device?
	[Contents]	This message is displayed to confirm the data restoration start-up in the physical device.
	[Action]	Select [Yes] to restore the data in the logical device. Select [No] to remain the data.
2376	I	Replace or remove the controller board (memory/CFM) of the cluster 1. Select [OK] when completed.
	[Contents]	Request to remove the memory/CFM of cluster 1.
	[Action]	Remove the memory/CFM of cluster 1.
2377	I	Replace or remove the controller board (memory/CFM) of the cluster 2. Select [OK] when completed.
	[Contents]	Request to remove the memory/CFM of cluster 2.
	[Action]	Remove the memory/CFM of cluster 2.

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ID	Kind	Description
2381	E	Initiate process has failed.
	[Contents]	Initiate process has failed.
	[Action]	Click [OK] to terminate the processing.
2384	E	Can't continue this process because no PCB to replace.
	[Contents]	This processing cannot continue because there is no PCB to replace.
	[Action]	Click [OK].
2387	I	Correcting data in the physical device could not be done. If the copying process is operating at the other HDD in the same parity group, retry again after completing that operation.
	[Contents]	Correction copy is impossible. If the copy process operates in the other HDD in the same parity group, retry after completing the operation.
	[Action]	If the copy process operates in the other HDD in the same parity group, retry after completing the operation.
2389	I	Copying data in spare device to the physical device could not be done. If the copying process is operating at the other HDD in the same parity group, retry again after completing that operation.
	[Contents]	Copy back is impossible. If the copy process operates in the other HDD in the same parity group, retry after completing the operation.
	[Action]	If the copy process operates in the other HDD in the same parity group, retry after completing the operation.

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ID	Kind	Description
2393	I	Confirm that you have already shut down the corresponding connected host(s) or switched to the alternate channel path(s) for all HOST connected to this PCB. Do you want to continue processing?
	[Contents]	The Remote Copy volume pair may be suspended. No maintenance operations are possible during Remote initial copy. Are you sure you continue this process?
	[Action]	If you continue the process, select [YES]. If not, select [NO].
2398	I	Are you sure you want to copy data in spare device to the physical device?
	[Contents]	Do you execute copy back?
	[Action]	To execute copy back, select [Yes]. If not, select [No].
2399	I	Copying data in spare device to the physical device has been started.
	[Contents]	Copy back starts.
	[Action]	Click [OK].

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ID	Kind	Description
2400	I	Correcting data in the physical device has been started.
	[Contents]	Correction copy has started.
	[Action]	Click [OK].
2413	I	Blockade finished.
	[Contents]	Blockade process is completed.
	[Action]	Click [OK].
2414	E	Blockade process has failed.
	[Contents]	Blockade process failed.
	[Action]	Click [OK].
2415	I	Restore finished.
	[Contents]	Recovery processing is completed.
	[Action]	Click [OK].
2416	E	Restore process has failed.
	[Contents]	Recovery processing failed.
	[Action]	Click [OK].

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ID	Kind	Description
2437	E	Correcting data has failed.
	[Contents]	Correction copy process failed.
	[Action]	Click [OK] to terminate the processing.
2438	E	Data in a spare device could not copy to the physical device.
	[Contents]	The copy back process failed.
	[Action]	Click [OK] to terminate the processing.

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ID	Kind	Description
2451	E	An error occurred in the Windows system.
	[Contents]	Windows error has occurred.
	[Action]	Click [OK] to terminate the processing.
2452	E	Change Configuration was failed.
	[Contents]	Changing configuration information failed
	[Action]	Click [OK] to terminate the processing.
2453	I	Change Configuration was completed.
	[Contents]	Changing configuration information is completed.
	[Action]	Click [OK] to terminate the processing.
2454	E	Failed to read the configuration.
	[Contents]	Reading configuration information failed.
	[Action]	Click [OK] to terminate the processing.

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ID	Kind	Description
2460	I	System Tuning has finished. Make sure that POWER LED at Controller Chassis is in amber, and then select [OK].
	[Contents]	System Tuning has finished. Check that POWER LED on Controller Chassis is in amber, and then click [OK].
	[Action]	Check that POWER LED on Controller Chassis is in amber, and then click [OK].
2464	I	Confirm that you have already varied off the concerned channel paths for all HOST connected to this PCB. Also confirm that you have already shut down the corresponding connected host(s) or switched to the alternate channel path(s) for all HOST connected to this PCB. Do you want to continue processing?
	[Contents]	For all the hosts connected to the target PCB, check that the related channel paths are offline and switched to alternate paths or the hosts have stopped. Do you continue the work?
	[Action]	To proceed this processing, select [Yes]. If not, select [No].

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ID	Kind	Description
2465	W	Cache size is different between cluster-1 and cluster-2. Please redefine configuration by cache installation (removal).
	[Contents]	Cache size is different between cluster-1 and cluster-2. Redefine the configuration by adding or removing the Cache memories.
	[Action]	Click [OK] and add or remove Cache.
2467	E	Operation was rejected by DKC.
	[Contents]	DKC rejected this operation.
	[Action]	Click [OK] to terminate the processing.

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ID	Kind	Description
2483	W	The maintenance object contains a ShadowImage/Thin Image pair. You should delete the pair. (If the pair is in the Quick Split process, suspend the pair and then delete the pair.)
	[Contents]	The maintenance object contains a ShadowImage/Thin Image pair. You should delete the pair. (If the pair is in the Quick Split process, suspend the pair and then delete the pair.)
	[Action]	The maintenance target includes a ShadowImage/Thin Image pair. Delete the pair. If the pair is in the quick split process, suspend the pair, and then delete it.
2484	W	The maintenance object contains a reserved volume for ShadowImage. You should reset the reserved attribute.
	[Contents]	The maintenance target include the reserved ShadowImage pair. Cancel the reserved VOL.
	[Action]	The maintenance target include the reserved ShadowImage pair. Cancel the reserved VOL.
2485	W	The maintenance object contains a ShadowImage pair. You should delete the pair.(If the pair is in the Quick Split process, suspend the pair and then delete the pair.)
	[Contents]	The maintenance object contains a ShadowImage pair. You should delete the pair. (If the pair is in the Quick Split process, suspend the pair and then delete the pair.)
	[Action]	Delete the pair. If the pair is in the Quick Split process, suspend the pair first, and then delete the pair.
2486	W	Data copying for ShadowImage is in progress. Wait until the copying ends, or delete or suspend the corresponding pair. Do you want to stop process?
	[Contents]	ShadowImage copy is in progress. Wait until copying is completed or stop it Do you stop the processing?
	[Action]	ShadowImage copy is in progress. Wait until copying is completed or stop it
2487	W	Data copying for ShadowImage is in progress. Wait until the copying ends, or delete or suspend the corresponding pair.
	[Contents]	ShadowImage copy is in progress. Wait until copying is completed or stop it
	[Action]	ShadowImage copy is in progress. Wait until copying is completed or consult with the customer whether to cancel or suspend the ShadowImage pair, and then retry the maintenance processing.

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ID	Kind	Description
2488	W	The maintenance object contains a ShadowImage pair. You should suspend the ShadowImage volume pair.
	[Contents]	The maintenance target includes a ShadowImage pair. Suspend the ShadowImage pair.
	[Action]	Suspend the ShadowImage pair.
2489	W	The maintenance object contains a ShadowImage. You should split the ShadowImage volume pair.
	[Contents]	The maintenance target includes a ShadowImage pair. Split the ShadowImage pair.
	[Action]	Split the ShadowImage pair.
2490	W	The maintenance object contains a ShadowImage pair. You should resynchronize the ShadowImage volume pair.
	[Contents]	The maintenance target includes a ShadowImage pair. Resynchronize (Resync) the ShadowImage pair.
	[Action]	Resynchronize (Resync) the ShadowImage pair.
2491	W	The last DRR that supports ShadowImage/Volume Migration exists. This operation will not support ShadowImage/Volume Migration.
	[Contents]	The last DRR that supports ShadowImage/Volume Migration exists. This operation will not support ShadowImage/Volume Migration.
	[Action]	The last DRR that supports ShadowImage/Volume Migration exists. This operation will not support ShadowImage/Volume Migration.
2492	W	Maintenance object included the volume which is running backup. You should stop the backup server.
	[Contents]	The maintenance target includes the volume which is running backup. Stop the backup server.
	[Action]	The maintenance target includes the volume which is running backup. Stop the backup server.
2493	W	The maintenance object contains a ShadowImage pair which was required by the host. You should change the volume status to Simplex.
	[Contents]	The maintenance target includes a ShadowImage pair required by the host. Change the VOL to Simplex.
	[Action]	The maintenance target includes a ShadowImage pair required by the host. Change the VOL to Simplex.

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ID	Kind	Description
2509	I	This function was canceled.
	[Contents]	This function was canceled.
	[Action]	None
2515	E	Configuration are different between DKC and MPC Software. Please call Technical Support Division.
	[Contents]	CONFIG mismatches between DKC and MPC software. Contact the Technical Support Division.
	[Action]	Contact the Technical Support Division.
2521	W	You cannot change the MPC Software mode to Modify because the Web Console is being connected to the MPC, or because an internal processing is being executed.
	[Contents]	The MPC Software mode cannot change to Modify because Web Console is in use or the internal processing is in progress.
	[Action]	Disconnect Web Console from MPC. Wait for five minutes.

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ID	Kind	Description
2530	W	Pre-Check error has occurred (Error Code = %lx). Please try again.
	[Contents]	Logical contradiction has occurred in the maintenance inhibition check due to the invalid configuration information data.
	[Action]	Refer to the “Maintenance” window and retry.
2531	W	The logical devices are not blockade.
	[Contents]	The specified logical device is not blocked.
	[Action]	Specify only the blocked logical device and execute.
2532	W	The logical devices are not normal.
	[Contents]	The specified logical device is not normal.
	[Action]	Specify only the normal logical device and execute.
2533	W	The logical devices are not equip.
	[Contents]	The specified logical device is not installed.
	[Action]	Refer to the "Maintenance" window and retry.

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ID	Kind	Description
2565	W	Installation data of program product in the Configuration table will be initialized by this operation. After finishing this procedure, please set the program product installation again.
	[Contents]	This operation initializes program product configuration information. Reset it after this operation.
	[Action]	After the operation “NEW Installation”, set the program product information.
2572	W	CUDG is Running.
	[Contents]	CUDG is running now.
	[Action]	Since CUDG is in progress, it cannot start. To retry, stop CUDG once, and then restart.
2574	I	Are %s interrupted?
	[Contents]	Do you suspend LCDG?
	[Action]	To suspend LCDG, select [Yes].
2575	I	Are %s restarted?
	[Contents]	Do you restart LCDG?
	[Action]	To restart LCDG, select [Yes].
2576	I	Are %s stopped?
	[Contents]	Do you stop LCDG?
	[Action]	To stop LCDG, select [Yes].

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ID	Kind	Description
2583	W	<Important CAUTION> This operation is a procedure of a new installation or configuration restoration. A procedure of installation or removal is a different operation. Select [Cancel] to stop the process and execute from Install-Change Configuration or Maintenance Utility.
	[Contents]	<Important CAUTION> This operation is a procedure of new installation. A procedure of addition or removal is a different operation. Select the [Cancel] button to terminate the processing and execute from “Install-Change Configuration” or “Maintenance Utility”.
	[Action]	Confirm the maintenance work in the maintenance manual.
2584	W	<Important CAUTION> When you continue this operation, finally you need DKC PS OFF. Are you sure you want to continue this operation?
	[Contents]	<Important CAUTION> If you continue this operation, finally you need DKC PS OFF. Do you continue this processing?
	[Action]	Confirm the maintenance work in the maintenance manual.
2585	W	<Important CAUTION> When you continue this operation, customer's DATA is LOST. Are you sure you want to continue this operation?
	[Contents]	<Important CAUTION> If you continue this operation, customer data is lost. Do you continue this processing?
	[Action]	Confirm the maintenance work in the maintenance manual.
2586	W	<Important CAUTION> When you continue this operation, configuration data will be changed. Are you sure you want to continue this operation?
	[Contents]	<Important CAUTION> If you continue this operation, the Storage System configuration information is initialized. Do you continue this processing?
	[Action]	Confirm maintenance procedure at Maintenance Manual.

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ID	Kind	Description
2587	W	<Important CAUTION> When you select [OK] button, you can't cancel this operation. Are you sure you want to continue this operation? If you terminate this operation by some forcible method, the storage system be in UNRECOVERABLE SERIOUSLY DAMAGE.
	[Contents]	<Important CAUTION> If you continue this operation, you cannot suspend the processing. Do you continue this processing? If you terminate this operation forcibly, the Storage System will be unrecoverable.
	[Action]	Confirm the maintenance work in the maintenance manual.
2588	W	<Important CAUTION> You must not RE-BOOT Maintenance PC.
	[Contents]	<Important CAUTION> Do not reboot the Maintenance PC.
	[Action]	Do not reboot the Maintenance PC.
2589	W	<Important CAUTION> When you continue this operation, finally you need DKC PS OFF, so customer can not use the volume in this storage system continuously.
	[Contents]	<Important CAUTION> If you continue this operation, finally you need DKC PS OFF, so the customer cannot use the volume in the Storage System.
	[Action]	Confirm the maintenance work in the maintenance manual.
2590	W	<Important CAUTION> THIS IS INITIAL SETUP MODE. WHILE RUNNING THIS MODE, DO NOT EXECUTE INSTALLATION OR REMOVAL THAT MAY CAUSE DISRUPTIONS.
	[Contents]	<Important CAUTION> This is an initial installation mode in the Storage System. Do not execute online addition/removal in this mode.
	[Action]	Confirm the maintenance work in the maintenance manual.
2591	W	Verifying the logical devices. No maintenance can be performed now.
	[Contents]	Parity consistency check of the logical device is in progress. No maintenance processing can be executed at this time.
	[Action]	Wait until Verify is completed.

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ID	Kind	Description
2606	W	Communication busy. Please retry later. (Error Code = %04x)
	[Contents]	Communication is impossible. Retry after a while.
	[Action]	Retry after a while.
2631	E	MPC Software logical error has occurred. %s Please retry operation after Maintenance PC reboot. (See recovery procedure for Maintenance PC Failure.)
	[Contents]	MPC Software logical error has occurred. Retry the operation after the Maintenance PC reboots. (Refer to the TROUBLESHOOTING SECTION "3.29 MPC Failure Recovery")
	[Action]	MPC Software logical error has occurred. Retry the operation after the Maintenance PC reboots. (Refer to the TROUBLESHOOTING SECTION "3.29 MPC Failure Recovery")
2648	I	Pinned track does not exist.
	[Contents]	Pinned track does not exist.
	[Action]	Click [OK].
2665	I	No HDD is over the rate.
	[Contents]	There is no HDD whose error rate is over the specified rate.
	[Action]	Click [OK] and enter the lower rate.
2666	I	No ORM Log is existing on this ID.
	[Contents]	There is no log information for the selected error type.
	[Action]	Click [OK] and retry the operation after closing the window once.

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ID	Kind	Description
2667	W	Are you sure you want to reset Threshold Counter of all ID?
	[Contents]	Do you reset the counter of all the error types?
	[Action]	Click [OK] to reset the counter.
2668	W	Are you sure you want to alter the threshold value of the HDD you selected?
	[Contents]	Do you change the threshold value of the selected HDD?
	[Action]	Click [OK] to change the threshold value.
2669	W	Rate must be from 0 to 100(%).
	[Contents]	Error rate is invalid. The value from 0 to 100(%) is enabled.
	[Action]	Click [OK] to correct the error rate.
2670	W	Select HDD(s).
	[Contents]	Select HDDs from the HDD List.
	[Action]	Click [OK] to select HDDs.
2671	W	Enter correct threshold value.
	[Contents]	Threshold value is invalid. Correct the value
	[Action]	Click [OK] to correct the threshold value.
2672	E	Allocating local memory object failed.
	[Contents]	Securing the memory failed on MPC software.
	[Action]	Reboot the Maintenance PC and retry the operation.
2673	E	An error occurred when opening the ORM information file or the threshold information file. If the storage system is being maintained, retry the operation after the maintenance finishes. Otherwise, reboot the PC.
	[Contents]	An error has occurred in the operation of ORM information and threshold value information. If this Storage System is on the maintenance, wait until it is completed. If not, reboot the PC.
	[Action]	If the maintenance of this Storage System is in progress, wait until it is completed. If not, reboot the PC.

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ID	Kind	Description
2674	W	Any processor are not selected.
	[Contents]	No processor is selected.
	[Action]	Select a processor and click [OK].
2675	W	Firmware or configuration is not selected.
	[Contents]	Firmware or configuration information is not selected.
	[Action]	Select firmware or configuration and click [OK].
2683	W	The SM size is too big. Check the cache/SM size.
	[Contents]	The SM size is too big. Check the Cache/SM size.
	[Action]	Check the size of the Cache and SM. Then, increase the Cache capacity or reduce the SM function. (Reduce SM and Increase Cache)

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ID	Kind	Description
2701	I	Please insert a DOS formatted. FD (No.%d)
	[Contents]	Insert a DOS formatted FD whose number is "No.xx"
	[Action]	Insert a DOS formatted FD whose number is "No.xx"
2724	E	Invalid configuration data is generated. Please reboot PC, and open Maintenance window. After close Maintenance window, please define configuration again.
	[Contents]	Invalid configuration data is generated for unknown cause.
	[Action]	Reboot PC and open the "Maintenance" window to read the correct configuration information from DKC. After closing the "Maintenance" window, define the configuration again.
2727	W	Communication error has occurred when reading the Configuration data from DKC. Reboot the Maintenance PC. Do you want to stop this process?
	[Contents]	An communication error has occurred when reading the configuration information. Reboot the Maintenance PC. Do you suspend this processing?
	[Action]	[Yes]: Reboot the Maintenance PC. If the same error occurs, gather the dump using the FD Copy function. [No]: Continue the maintenance work.
2728	W	A communication error occurred while checking the storage system status. Reboot the Maintenance PC. Do you want to stop this process?
	[Contents]	A communication error has occurred in the Storage System status check. Reboot the Maintenance PC. Do you suspend this processing?
	[Action]	[Yes]: Reboot the Maintenance PC. If the same error occurs, gather the dump using the FD Copy function. [No]: Continue the maintenance work.
2730	W	Communication error has occurred when checking the PIN data. Reboot the Maintenance PC. Do you want to stop this process?
	[Contents]	A communication error has occurred in the PIN status check. Reboot the Maintenance PC. Do you suspend this processing?
	[Action]	[Yes]: Reboot the Maintenance PC. If the same error occurs, gather the dump using the FD Copy function. [No]: Continue the maintenance work.

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ID	Kind	Description
2788	E	Error response from DKC.
	[Contents]	An error was reported from the DKC.
	[Action]	Refer to THEORY03-03-10 first and if the failed operation corresponds to any of the operations indicated as “Impossible” in the table, wait until the processing completes. If the failed operation does not correspond to any of the operations indicated as “Impossible”, go on to the next step. (1) If this message is displayed during an operation of Cache capacity removal, the de-staging for data in write pending might not end within the specified time period. In this situation, if you perform the Cache capacity removal again, the same message may appear again. For this reason, please check the write pending rate for each CLPR or MPU from the ‘Monitor’, and then perform the Cache capacity removal again after the write pending rate has decreased to less than 40%. (2) If this message is displayed during the mode setting of System Option, please check the log in the “Information” window. And If SSB = 0x152F is reported, please see TROUBLESHOOTING SECTION “2.2.9 Correspondence at the time of the mode setting failure of System Option” and recover from the problem. (3) When not corresponding to above (1) and (2), or when the problem doesn't solve according to the procedure above (1) and (2), check the status in the “Maintenance Utility” window or in the “Maintenance” window, or the log in the “Information” window, and then recover from the problem. Contact the Technical Support Division if you cannot recover from the problem.

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ID	Kind	Description
2793	W	The Remote Replication pair may be suspended. No maintenance operations are possible during Remote Replication. Are you sure you want to continue this process?
	[Contents]	The Remote Replication pair may be suspended. No maintenance operations are possible during Remote Replication. Are you sure you want to continue this process?
	[Action]	[Yes]: Continue the maintenance processing. [No]: Suspend the maintenance processing.
2800	W	Some Memory access paths is blockade. Do you want to refer path Status?
	[Contents]	Some Memory access paths are blocked. Do you refer to the path status?
	[Action]	Click [Yes] to refer to the path status.
2802	W	The specified log file will be deleted. Even when service personnel or a user has not read some of the logs, this operation deletes the file. Are you sure you want to delete it?
	[Contents]	The specified log file will be deleted. Are you sure you delete it?
	[Action]	If you delete log file, click [Yes].

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ID	Kind	Description
2834	W	Maintenance object included the Volume Migration pair. You should delete pair.
	[Contents]	The maintenance target include a Volume Migration pair. Cancel the pair.
	[Action]	The maintenance target include a Volume Migration pair. Cancel the pair.
2835	W	Maintenance object included the reserved volume for Volume Migration. You should remove the reserved volume.
	[Contents]	The maintenance target includes the reserved volume for Volume Migration. Cancel the specified reserved volume.
	[Action]	The maintenance target includes the reserved volume for Volume Migration. Cancel the specified reserved volume.
2836	W	Maintenance object included the Volume Migration pair. You should delete pair.
	[Contents]	The maintenance target includes a Volume Migration pair. Cancel the pair.
	[Action]	The maintenance target includes a Volume Migration pair. Cancel the pair.

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ID	Kind	Description
2872	W	Internal error occurred.
	[Contents]	An internal error has occurred.
	[Action]	(1) Retry the operation. (2) Reboot PC.
2886	I	PK or Parts information was changed. Are you sure you want to rewrite PK or Parts information?
	[Contents]	PK or installed parts information was changed. Do you rewrite the PK or installed parts information?
	[Action]	Select [Yes] to rewrite.
2915	I	This FD has "read-only" file(s). FD Copy will be terminated.
	[Contents]	This FD has read-only files. FD Copy is suspended.
	[Action]	Click [OK] and check the files in FD. Change the attribute of the files concerned or insert another FD.
2917	E	File access error has occurred.
	[Contents]	File access failed.
	[Action]	Reboot PC. If the error is unrecoverable, replace the PC.

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ID	Kind	Description
3002	W	The Logical device formatting cannot be executed. Because an error occurred at PATH INLINE. Please check connection of the SAS Cable. Do you want to stop this process?
	[Contents]	The Logical device formatting cannot be executed because an error has occurred at PATH INLINE. Check the connection of the SAS cable. Do you terminate the maintenance processing?
	[Action]	If selecting [Yes], check the connection of the SAS cable. If selecting [No], continue this operation.
3005	E	New installation process failed.
	[Contents]	New installation process failed.
	[Action]	Press [OK] button.
3026	E	Retry the same operation after you complete the Volume Security activated by other application.
	[Contents]	Terminate Volume Security running at the other application and retry the same operation.
	[Action]	Terminate Volume Security running at the other application and retry the same operation.
3027	I	Volume Security configuration of the selected host(s) will be cleared. (All equipped devices will be able to be accessed from the host(s).) Are you sure you want to continue this operation?
	[Contents]	The Volume Security information of the selected host is cleared. (The host can access all the installed devices.) Do you continue this operation?
	[Action]	[Yes]: Clear the Volume Security information of the selected host (the host can access all the installed devices). [No]: No operation will be performed.

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ID	Kind	Description
3031	W	Invalid configuration data is generated. Please reboot PC, and open Maintenance window to read the correct data. Please close Maintenance window, and retry the operation. Do you want to stop this process?
	[Contents]	The configuration information is invalid.
	[Action]	Reboot PC and open the “Maintenance” window to read the correct data. Close the “Maintenance” window and retry the operation.
3032	E	Because the maximum licensed capacity of the program product became insufficient, the processing will stop.
	[Contents]	Because the maximum licensed capacity of the program product became insufficient, the processing will stop.
	[Action]	Install the program product whose maximum permissible capacity became insufficient, and retry the operation.
3035	W	Failed to block the PCB. Please insert the jumper into the target PCB and then select OK. (%s)
	[Contents]	The PCB blockade failed. Insert the jumper into the target PCB, and then click [OK].
	[Action]	Insert the jumper into the target PCB, and then click [OK].
3093	I	Do you want to stop all processors?
	[Contents]	Do you stop all processors?
	[Action]	Select [Yes] to stop all the processors. Select [No] to stop the processor one by one. Select [Cancel] to cancel the operation.

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ID	Kind	Description
3124	W	Check the setting of the cache/SM capacity.
	[Contents]	Check the setting of the Cache/SM capacity.
	[Action]	Increase the Cache capacity or reduce the SM size.
3141	E	A communication error occurred between the MPC and the DKC, and a DKC Memory dump could not be collected. Click [OK] to continue the processing. Verify the communication error after the processing is complete.
	[Contents]	A communication error occurred between the MPC and the DKC, and a DKC Memory dump could not be collected. Click [OK] to continue the processing. Verify the communication error after the processing is complete.
	[Action]	Verify the status to identify the cause of the communication error. A DKC Memory dump was not collected because of the error. Solve the cause of the error, and then retry the operation. If the same phenomenon still occurs, collect the System Dump from Maintenance.
3142	E	Failed to read PCB Revision.
	[Contents]	The PCB revision could not be read.
	[Action]	Reboot the PC. If the error persists, replace the PC.

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ID	Kind	Description
3188	I	The processing is complete. Remove the media of the configuration information if necessary.
	[Contents]	The processing is complete. Remove the media of the configuration information if necessary.
	[Action]	Remove the media of the configuration information if necessary, and then click [OK].
3193	E	The Config media access error has occurred. The Config media is write-protected. Please release the write-protection of the Config media, and select the [Retry] button.
	[Contents]	An access error to the Config media has occurred. The Config media is write-protected. Release the write-protection of the Config media and click [Retry].
	[Action]	Release the write-protection of the Config media and click [Retry]. Click [Cancel] to terminate the processing.
3210	W	No data (LDKC:CU:LDEV) is entered. Enter correct data.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.

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ID	Kind	Description
3211	W	The CU number contains invalid characters. Enter a correct CU number.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
3212	W	The CU number is invalid. Enter a correct CU number.
	[Contents]	Input is invalid.
	[Action]	Enter correct data.
3213	I	FD COPY was completed.
	[Contents]	FD COPY is completed.
	[Action]	Click [OK}.

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ID	Kind	Description
3247	I	Are you sure you want to continue this operation?
	[Contents]	Do you continue this operation?
	[Action]	To continue this operation, select [Yes]. If not, select [No].
3288	E	An internal error occurred due to insufficient resources.
	[Contents]	An internal error (insufficient resources) has occurred.
	[Action]	Terminate other unnecessary programs or reboot PC and retry.
3295	E	Some error has occurred in the DKC during the configuration change. Please exit this application, check the status of the DKC and retry this operation.
	[Contents]	An error has occurred in the DKC during the configuration change processing. Terminate this application, check the DKC status and retry this operation.
	[Action]	Terminate this application, check the DKC status and retry this operation.

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ID	Kind	Description
3308	I	DKC will be blocked after this test finishes. If you continue the test, an error will occur. After CUDG finishes, please shut down the Maintenance PC and then turn off the breaker of AC BOX of DKC.
	[Contents]	The Storage System is blocked after executing this test. If you continue the test, an error occurs. After terminating CUDG, shut down the Maintenance PC and turn off the AC BOX breaker of the Storage System.
	[Action]	After terminating CUDG, shut down the Maintenance PC and turn off the breaker of AC BOX of the Storage System. If you only turn off the power supply (PSOFF), the LED on CACHE P/K will remain lit.
3309	E	A configuration read error has occurred.
	[Contents]	An configuration information acquisition error has occurred.
	[Action]	Retry the operation.
3332	E	The type of the inserted Config media does not correspond to that of MPC Software. Please insert a correct Config media.
	[Contents]	The type of the inserted Config media does not correspond to that of MPC Software. Insert the correct Config media.
	[Action]	Insert the correct Config media and retry the same operation.
3333	E	An unknown error has occurred. Please retry this operation. If this message is displayed repeatedly, please execute FD Copy or AutoDump.
	[Contents]	An unregistered error has occurred. Retry the operation. If this message is displayed repeatedly, execute FD Copy or Auto Dump.
	[Action]	Retry the operation. If this message is displayed repeatedly, execute FD Copy or Auto Dump, and then contact the Technical Support Division.
3351	I	Data in the Config media will be overwritten due to this operation. Are you sure you want to continue?
	[Contents]	If you continue this operation, the configuration information is overwritten and the data in the Config media is lost. Do you continue this operation?
	[Action]	Select [Yes] to continue the processing. If not, select [No].

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ID	Kind	Description
3352	E	FTP transfer has failed.
	[Contents]	FTP transfer failed.
	[Action]	Click [OK].
3353	I	FTP transfer has ended successfully.
	[Contents]	FTP transfer was successful.
	[Action]	Click [OK].
3355	W	Data in the specified logical device may be lost due to this operation. You need the password to continue.
	[Contents]	Data in the specified logical device may be lost due to this operation. You need the password to continue.
	[Action]	Enter the password and click [OK].
3356	W	This operation will cause fatal damage to the storage system. All logical devices will be initialized. You need the password to continue.
	[Contents]	This operation will cause fatal damage to the Storage System. All logical devices will be initialized. You need the password to continue.
	[Action]	Enter the password and click [OK].
3357	W	This operation will cause fatal damage to the storage system. All data and configuration information will be initialized. You need the password to continue.
	[Contents]	This operation will cause fatal damage to the Storage System. All data and configuration information will be initialized. You need the password to continue.
	[Action]	Enter the password and click [OK].
3358	W	This operation will initialize and delete all pairs. You need the password to continue.
	[Contents]	This operation will initialize and delete all pairs. You need the password to continue.
	[Action]	Enter the password and click [OK].
3359	W	Please vary the drives off-line only whose emulation type will be changed. And enter a password to continue.
	[Contents]	Vary the drives off-line only whose emulation type will be changed. And enter the password to continue.
	[Action]	Enter the password and click [OK].

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ID	Kind	Description
3360	W	Ask the technical support division about the appropriateness of this operation, and enter the password.
	[Contents]	Ask the Technical Support Division for the approval of this operation, and enter the password.
	[Action]	Enter the password and click [OK].
3361	W	This operation will turn the storage system off. You need the password to continue.
	[Contents]	This operation will turn the Storage System off. You need the password to continue.
	[Action]	Enter the password and click [OK].
3364	E	There is no compressed file (%s).
	[Contents]	There is no information collection file (%s).
	[Action]	Execute FDCOPY or AUTODUMP, and retry the operation.
3366	W	Performing this function without stopping I/O may block all of the LDEVs and lead to the system down. Verify the product serial number again. If the product serial number is correct, you can continue the processing. Do you want to continue?
	[Contents]	Performing this function without stopping I/O may block all of the LDEVs and lead to the system down. Check the product serial number again. If the product serial number is correct, you can continue the processing. Do you continue the processing?
	[Action]	Check the product serial number. If it is correct, select [Yes] to continue the processing. Otherwise, select [No] to cancel the processing.
3367	W	You cannot perform execution when I/O operations are performed from hosts. Are you sure I/O operations are stopped?
	[Contents]	You cannot execute this operation when the I/O operation is performed by the host. Is the I/O operation stopped?
	[Action]	If the I/O operation is performed, select [No]. If not, select [Yes].

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ID	Kind	Description
3383	E	Configuration information could not be merged. Please reboot the Maintenance PC and then retry.
	[Contents]	Configuration information failed to be merged. Reboot the Maintenance PC, and then retry.
	[Action]	Reboot the Maintenance PC, and then retry.
3396	E	The processing for replacement has failed. Although the DKB is normal, the fibre path might be blocked.
	[Contents]	The processing for replacement failed. Although the DKB is normal, the fibre path may be blocked.
	[Action]	Solve the problem, and then retry replacement.
3430	I	After you select [Yes], you cannot cancel this operation. Are you sure you want to continue this operation? (Note) Do not remove the components when downgrading the system at this time.
	[Contents]	If you continue the operation, you cannot cancel the processing. Do you continue the processing? (Note) Do not remove the components when downgrading the system at this time.
	[Action]	To continue the processing, select [Yes]. If not, select [No].
3437	E	The PCB could not be restored because the PCB type was incorrect. Target PCB : %s
	[Contents]	The PCB could not be recovered because the PCB type was incorrect.
	[Action]	Check the PCB and click[OK].

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ID	Kind	Description
3450	I	Do you want to save the Pin information to a file? You can save the Pin information by performing the Auto Dump operation.
	[Contents]	Do you output the Pin information to a file? You can collect the Pin information file by executing Auto Dump.
	[Action]	You can collect the Pin information file by executing Auto Dump.
3451	I	The Pin information was outputted to a file.
	[Contents]	The Pin information file output is completed.
	[Action]	Click [OK].
3459	W	The type of the inserted Config media does not correspond to the type of the MPC Software. Do you want to continue?
	[Contents]	The type of the inserted Config media does not correspond to the type of the MPC Software. Do you continue this processing?
	[Action]	To continue the processing, select [Yes]. If not, select [No].
3464	W	Shutdown has failed. Do you want to stop CUDG?
	[Contents]	Shutdown failed. Do you stop CUDG?
	[Action]	[Yes]: Stop CUDG. [No]: Load CUDG.

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ID	Kind	Description
3470	I	Confirm that you have already shut down the corresponding service or switched the service to the alternative node. Do you want to continue processing?
	[Contents]	Check that the related service is switched to an alternate node or the service is stopped. Do you continue the work?
	[Action]	To proceed the processing, select [Yes]. If not, select [No].
3471	I	Confirm that you have already varied off the concerned channel paths. Also confirm that you have already shut down the corresponding service or switched the service to the alternative node. Do you want to continue processing?
	[Contents]	Check that the related channel paths are offline. Also check that the related service is switched to an alternate node or the service is stopped. Do you continue the work?
	[Action]	To proceed the processing, select [Yes]. If not, select [No].
3472	I	Confirm that you have already shut down the corresponding connected host(s) or switched to the alternate channel path(s). Also confirm that you have already shut down the corresponding service or switched the service to the alternative node. Do you want to continue processing?
	[Contents]	Check that the related channel path is switched to an alternate path or the host is stopped. Also check that the related service is switched to an alternate node or the service is stopped. Do you continue the work?
	[Action]	To proceed the processing, select [Yes]. If not, select [No].

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ID	Kind	Description
3473	I	Confirm that you have already varied off the concerned channel paths. Also confirm that you have already shut down the corresponding connected host(s) or switched to the alternate channel path(s). And confirm that you have already shut down the corresponding service or switched the service to the alternative node. Do you want to continue processing?
	[Contents]	Check that the related channel path is offline. Also check that the related channel path is switched to an alternate path or the host is stopped. Then, check that the related service is switched to an alternate node or the service is stopped. Do you continue the work?
	[Action]	To proceed the processing, select [Yes]. If not, select [No].
3480	W	The serial number of the inserted Config media does not correspond to the serial number of the DKC. Do you want to continue?
	[Contents]	The serial number of the inserted Config media does not correspond to the serial number of the DKC. Do you continue this processing?
	[Action]	To continue the processing, select [Yes]. If not, select [No].
3582	I	Restore finished. Please wait until the OS boots up.
	[Contents]	The recovery processing is completed. Wait until the OS boots up.
	[Action]	Press the [OK] button.
3591	W	NAS OS information could not be obtained. Although diagnosis can be performed, a problem may occur while the NAS OS is running. Do you want to continue processing?
	[Contents]	The NAS OS information acquisition failed. Although diagnosis can be executed, a problem may occur while NAS OS is running. Do you continue the processing?
	[Action]	To continue the processing, select [Yes]. If not, select [No].

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ID	Kind	Description
3607	W	There is a volume to which the Data Retention Utility setting is made. Do you want to stop this process?
	[Contents]	There is a volume to which the Data Retention Utility setting is made. Do you suspend the processing?
	[Action]	To terminate the processing, select [Yes]. To continue, select [No].
3608	W	The selected volume is the target volume of Data Retention Utility. Please delete the Data Retention Utility setting of the volume at first.
	[Contents]	The selected volume is the target volume of Data Retention Utility. Delete the Data Retention Utility setting first, and then execute it.
	[Action]	Delete the Data Retention Utility setting of the target volume.

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ID	Kind	Description
3627	E	SM modules combination error. Refer to the maintenance manual(Installation section) and check mounting of SM modules.
	[Contents]	SM module combination error. Refer to the maintenance manual (INSTALLATION SECTION) and check the SM module installation.
	[Action]	Refer to the maintenance manual (INSTALLATION SECTION) and check the SM module installation.
3631	W	The maintenance object includes an external LU setting. Please delete the external LU setting, and then retry this operation.
	[Contents]	The maintenance target includes the external LU setting. Delete the external LU setting, and then retry the maintenance work.
	[Action]	Delete the external LU setting, and then retry this operation.
3632	W	The maintenance object includes the last path to the external LU. An alternate path to the external LU is required. You should add an alternate path or recover a blocked path. Do you want to stop this process?
	[Contents]	The maintenance target includes the last path of the external LU. An alternate path to the external LU is required. Add an alternate path or recover the blocked path. Do you suspend the processing?
	[Action]	To terminate the processing, select [Yes]. After that, add an alternate path or recover the blocked path, and then retry this operation. To continue the processing, select [No]. However, the external volume is blocked.
3654	E	The command was rejected, because the licensed capacity was exceeded.
	[Contents]	The setting process was rejected because the licensed capacity was exceeded.
	[Action]	Add the P.P.License.

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ID	Kind	Description
3667	E	An error is detected in a path to an external LU.
	[Contents]	The pass connected to the external LU is abnormal.
	[Action]	Recover the path connected to the external LU. Then, issue the LDEV recovery instructions.
3676	E	Configuration information is incorrect. Please specify the correct configuration information media, and the correct drive.
	[Contents]	The configuration information data is invalid. Specify the correct configuration information media and drive.
	[Action]	Prepare the correct configuration information media and retry.
3677	E	The configuration information media is not inserted or the specified drive does not exist. Please insert the correct media or specify the correct drive.
	[Contents]	The configuration information media is not inserted or the specified drive does not exist.
	[Action]	Inter the correct media or specify the correct drive.
3678	E	The specified media is incorrect. Please format the media and then retry.
	[Contents]	The specified media is invalid. Format the media and retry.
	[Action]	Prepare a formatted media (FD) and retry the backup process.
3679	E	Configuration information could not be backed up. Please prepare the correct Config media or a formatted media, and then retry the operation.
	[Contents]	Configuration backup failed.
	[Action]	Prepare the correct Config media or formatted media, and then retry the operation.

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ID	Kind	Description
3680	E	The backup data of configuration information does not exist in the hard disk of the Maintenance PC.
	[Contents]	The backup data of configuration information does not exist in the hard disk of the Maintenance PC.
	[Action]	Perform restoration processing from the configuration information media.
3681	E	Compression/decompression of configuration information failed.
	[Contents]	Compression/decompression of configuration information failed.
	[Action]	Retry the operation.
3683	I	Please select the Maintenance PC and insert a media.
	[Contents]	Select the Maintenance PC and insert a media.
	[Action]	Select the Maintenance PC and insert a media. If you select a client PC, you must also specify the drive where the media is inserted. You insert the media, you select [OK]. If you select [Cancel], the processing will stop.
3685	I	Restoration processing of configuration information will start. Please select the data for restoration.
	[Contents]	Restoration processing of configuration information will start. Please select the data for restoration.
	[Action]	Please select the data for restoration, and select [OK]. If you select [Cancel], the processing will stop.
3686	I	Backup processing of configuration information will start. Insert a media.
	[Contents]	The backup processing of the configuration information starts. Insert the media into the Maintenance PC.
	[Action]	Insert the media into the Maintenance PC. Select the drive in which the media is inserted and click [OK]. Selecting [Cancel] suspends the processing.

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ID	Kind	Description
3695	E	Failed to restore the configuration information. Please insert the correct configuration information media.
	[Contents]	Configuration information restoration failed. Insert the correct configuration information media.
	[Action]	Prepare the correct configuration information media, and then retry.
3697	I	A setting of a machine installation date has ended successfully.
	[Contents]	The machine installation date setting was successful.
	[Action]	Click [OK].
3698	E	A setting of a machine installation date has failed. Please retry the setting from "Set Machine Install Date" of INSTALL after this processing ends.
	[Contents]	The machine installation date setting filed. After terminating this processing, retry the setting from "Set Machine Install Date" of INSTALL.
	[Action]	Retry the setting from "Set Machine Install Date" of INSTALL.
3699	I	The specified directory does not exist. Do you want to create it?
	[Contents]	The specified directory does not exist. Do you create a new one?
	[Action]	To continue the processing, select [Yes]. If not, select [No].

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ID	Kind	Description
3700	I	Free space in the output destination drive is %sMB. Do you want to continue?
	[Contents]	Free space in the output destination drive is %sMB. Do you collect the information?
	[Action]	To continue the processing, select [Yes]. If not, select [No].
3701	I	Do you want to output the already gathered dumps, logs, history of Maintenance PC operations, and usage data to the target media without refreshing them?
	[Contents]	Do you output the already gathered dump information, log information, history of Maintenance PC operations and operation information without refreshing them?
	[Action]	To continue the processing, select [Yes]. If not, select [No].
3703	W	Nothing is entered into one or more items in FTP Transfer Detail. Please enter data and retry again.
	[Contents]	Items without any data exist in FTP Transfer Detail. Enter data and retry.
	[Action]	Items without any data exist in FTP Transfer Detail. Enter data and retry.
3704	E	The selected media type is invalid.
	[Contents]	The selected media type is invalid.
	[Action]	Select a media type other than HDD.
3705	W	The file to gather is not specified. Please select the Edit button and enter the files to gather from the Manual Edit dialog.
	[Contents]	Files to collect are not specified. Press the [Edit] button and enter files of the collection target in the "Manual Edit Dialog" window.
	[Action]	Press the [Edit] button and enter the collection target file from the "Manual Edit" dialog window.

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ID	Kind	Description
3706	E	A file of the same name as the specified output directory exist. Please specify another output directory.
	[Contents]	A file of the same name as the specified output directory exists. Retry the output destination setting.
	[Action]	Retry the output destination setting.
3707	I	Dump was canceled.
	[Contents]	Dump is canceled.
	[Action]	Click [OK].
3708	I	Gathering information data was completed.
	[Contents]	Gathering information is completed.
	[Action]	Click [OK].
3709	E	Gathering information data has failed.
	[Contents]	Gathering information failed.
	[Action]	Check that the dump file is output. If the dump file is not output, the compression processing might be terminated due to the insufficient memory for the maintenance PC. Confirm the memory capacity in the maintenance PC, and then check whether the recommended memory capacity is installed. If more than the recommended memory capacity is installed, reboot the maintenance PC to check that applications other than MPC Software are not starting, and then reboot again. If the same phenomenon persists, replace the maintenance PC. If the same problems still occurs even after exchanged the maintenance PC, contact the Technical Support Division. In that case, collect the following files by manual. • C:\Mapp\wk\supervisor\dkc200\secruise\secruise.log • C:\Mapp\wk\xxxxyyyyyy\DKC200\mp\pc\TR32002E.TRC (xxxx: DKC model name,yyyyyy: serial number)
3710	I	Gathering information data was canceled.
	[Contents]	Gathering information is canceled.
	[Action]	Click [OK].

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ID	Kind	Description
3712	E	Restoring the PCB(s)(%s) has failed. Check the status and the error log and remove the problem.
	[Contents]	The target PCB recovery terminated abnormally. Check the status in the “Maintenance” window and the error log in the “Information” window, and solve the problem.
	[Action]	Check the status in the "Maintenance" window and the error log in the "Information" window, and solve the problem.
3713	E	The PCB(s)(%s) could not be restored because the PCB type is incorrect.
	[Contents]	The PCBs cannot recover because the target PCB types differ.
	[Action]	Check the PCB types and replace the PCBs.
3715	W	An error occurred with the target PCB(%s). Do you want to stop processing?
	[Contents]	An error has occurred in the target PCB. Do you suspend the processing?
	[Action]	To continue the processing, select [No]. If not, select [Yes].
3716	I	Do you want to block the PCB(s)(%s)?
	[Contents]	Do you block the target PCBs?
	[Action]	To continue the processing, select [Yes]. If not, select [No].

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ID	Kind	Description
3737	I	The size of a memory module differs from the size defined in configuration information. According to configuration information, the memory module is %s. Actually, however, the memory module is %s. Please correct the setting.
	[Contents]	The size of the memory module differs from the size defined in the configuration information. Install a memory module whose size matches the size defined in the configuration information.
	[Action]	Install a memory module whose size matches the size defined in the configuration information because the size of the memory module differs from the size defined in the configuration information.
3743	W	Too many items are selected. Some of the items will be disregarded.
	[Contents]	Too many items are selected. Some of the items will be disregarded.
	[Action]	Check the selected items.
3745	I	After data is copied to the spare device, copy back will be performed. But when the copy back mode is set to “No Copy Back”, and when copying to the same capacity spare device, the copy back is not performed.
	[Contents]	After copying the data to the Spare Disk, copy back is executed. However, when the copy back mode is set to “No Copy Back” and copied to the Spare Disk of the same capacity, copy back is not executed.
	[Action]	Check the message and click [OK].
3749	E	Dump cannot be executed, because configuration information is incorrect.
	[Contents]	Dump cannot be executed because the configuration information is invalid.
	[Action]	Click [OK].

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ID	Kind	Description
3768	W	Output to the client PC is failed. Do you want to specify the output destination in the client PC again?
	[Contents]	Output to the client PC failed. Do you retry setting the output destination in the client PC?
	[Action]	To retry setting, select [Yes]. If not, select [No].
3787	I	Since the error was detected from all MPs, processing stopped.
	[Contents]	Since the error was detected from all MPs, the processing stopped.
	[Action]	Check the SSB/Diagnosis logs.
3790	W	Cannot execute the maintenance because firmware update to write to the flash memory is in progress. Check the IMPL status window to confirm the writing to the flash memory is completed, and then retry. Do you want to stop this process?
	[Contents]	Maintenance is impossible because FM write is in execution after updating Firmware. Check that FM write is completed in the “IMPL Status” window, and then retry. Do you suspend the processing?
	[Action]	Check that FM write is completed in the “IMPL Status” window, and then retry.
3791	E	This part may be broken. Please replace this part with a new part and retry this operation.
	[Contents]	This part may be broker. Replace this part with a new part and retry this operation.
	[Action]	Replace this part with a new part and retry this operation.

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ID	Kind	Description
3793	E	Due to heavy I/O load, this operation has been suppressed. Wait for a while, and then retry the operation.
	[Contents]	Due to heavy I/O load, this operation was inhibited. Wait for a while, and then retry the operation.
	[Action]	Wait for a while, and then retry the operation.
3795	I	Is the LED of the target PCB(%s) lit?
	[Contents]	Is the LED on the removal target PCB lit?
	[Action]	Select [Yes] if the LED is on.
3800	W	You cannot perform maintenance operations because the DKC is being powered off. Please wait until the DKC is powered off, and then power on the DKC. If powering off does not finish, please check the error log from the Information window and remove the error.
	[Contents]	You cannot perform the maintenance operation because the DKC is being powered off. Wait until the DKC is powered off, and then power on the DKC. If powering off is not completed, check the error log in the “Information” window and solve the problem.
	[Action]	Wait until the DKC is powered off, and then power on the DKC. If powering off is not completed, check the error log in the “Information” window and solve the problem.

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ID	Kind	Description
3824	W	Devices to be maintained include journal volumes. Delete or suspend all pairs belonging to journal volumes to be maintained.
	[Contents]	Devices to be maintained include journal volumes. Delete or suspend all pairs belonging to journal volumes to be maintained.
	[Action]	Delete or suspend all pairs belonging to journal volumes to be maintained.
3825	W	Devices to be maintained include journal volumes. Delete all pairs and journal volumes that belong to journal volumes to be maintained.
	[Contents]	Devices to be maintained include journal volumes. Delete all pairs and journal volumes belonging to journal volumes to be maintained.
	[Action]	Delete all pairs and journal volumes belonging to journal volumes to be maintained.
3835	E	The media is incorrect. Please insert the correct Config media (No.%d).
	[Contents]	The media is invalid. Insert the correct Config media specified by No.%d.
	[Action]	Insert the correct Config media. Clicking [Cancel] suspends the processing.
3836	W	The configuration information file is divided. Please insert the Config media (No.%d).
	[Contents]	The configuration information file is divided. Insert the Config media (No.%d).
	[Action]	Insert the Config media of the specified number. Clicking [Cancel] suspends the processing.

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ID	Kind	Description
3890	W	DCR information could not be obtained. Although diagnosis can be performed, a problem may occur during DCR prestaging. Do you want to continue processing?
	[Contents]	DCR information acquisition failed. Although diagnosis can be executed, a problem may occur during DCR prestaging. Do you continue the processing?
	[Action]	To continue the processing, select [Yes]. If not, select [No].
3891	W	Since DCR prestaging is in progress, diagnosis cannot be performed. Please wait for a while and then retry.
	[Contents]	Since DCR prestaging is in progress, diagnosis cannot be executed. Wait for a while, and then retry.
	[Action]	Click [OK].
3894	E	The operation is rejected because the SM Mapping Information differs from the configuration information. Please call the Technical Support Division.
	[Contents]	The operation is rejected because the SM mapping information does not match the configuration information. Contact the Technical Support Division.
	[Action]	Gather Auto Dump, and then contact the Technical Support Division.

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ID	Kind	Description
3919	W	The Thin Image pairs are included in the items to be maintained. Delete the Thin Image pairs to be maintained.
	[Contents]	The maintenance target includes Thins Image pairs. Delete the Thin Image pairs to be maintained.
	[Action]	Delete the Thin Image pairs to be maintained.
3921	W	Are you sure you want to change the SM configuration information of the CUDG to be executed?
	[Contents]	Are you sure to change the SM configuration information of the CUDG to be executed?
	[Action]	[Yes]: Change the SM configuration information of the CUDG to be executed. [No]: Do not change the SM configuration information of the CUDG to be executed.
3923	W	Not supported by Auto Mode.
	[Contents]	Not supported by Auto Mode.
	[Action]	Execute it with a setting other than the current setting.

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ID	Kind	Description
3924	W	The part for the voltage control is not specified.
	[Contents]	The part for the voltage control is not selected.
	[Action]	Select the part for the voltage control.
3925	W	Cannot execute Auto Mode.
	[Contents]	Auto Mode cannot be executed.
	[Action]	Close the CUDG4, CUDG5, LCDG4/FCDG4/PCDG4 and ACE/FACE windows.
3926	I	Are you sure you want to stop the Auto Mode?
	[Contents]	Do you stop Auto Mode?
	[Action]	[OK]: Stop Auto Mode. [Cancel]: Do not stop Auto Mode.
3927	I	There is an error in the event data.
	[Contents]	There is an error in the event data.
	[Action]	Correct the error in the event data.
3931	W	The setting of SM configuration information on %s exceeds %d Gbyte. Please set the SM configuration information to %d Gbyte or less, and change SM configuration information again.
	[Contents]	The setting of the SM configuration information on %s exceeds %d Gbyte. Set the SM configuration information to %d Gbyte or less, and change the SM configuration information again.
	[Action]	Set the SM configuration information less than or equal to the specified capacity.
3956	W	The remote command device is included in the items to be maintained. Remove the remote command device from the items to be maintained, and retry the operation.
	[Contents]	The maintenance target includes the remote command device. Remove the remote command device from the maintenance target and retry.
	[Action]	Remove the remote command device from the maintenance target and retry.

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ID	Kind	Description
3976	I	A previously obtained dump file exists. Do you want to delete the file?
	[Contents]	Do you delete the dump file acquired by Logdump?
	[Action]	To delete the dump file, select [Yes]. If not, select [No].
3977	E	The free space of the HDD is less than 5GB. Please secure the free space of the HDD and start the operation.
	[Contents]	Insufficient HDD free space
	[Action]	Secure the free space of the HDD and start the operation.
3978	E	Failed to start Autodump.
	[Contents]	Autodump failed to start.
	[Action]	Contact the Technical Support Division.
3980	E	Please set a number from 1 to 100.
	[Contents]	Input is invalid.
	[Action]	Enter correct count.
3981	E	This code has already been set.
	[Contents]	The entered code is invalid.
	[Action]	Enter the correct code.
3982	E	The entered code is invalid.
	[Contents]	The entered code is invalid.
	[Action]	Enter the correct code.
3983	W	Logdump will be terminated. The setting will not be saved. Do you want to terminate Logdump?
	[Contents]	Logdump terminates.
	[Action]	To terminate Logdump, select [OK]. If not, select [Cancel].
3988	W	Are you sure you want to continue this operation?
	[Contents]	Are you sure to continue this operation?
	[Action]	To continue this operation, select [Yes]. If not, select [No].

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ID	Kind	Description
4013	I	A password will be required to set Local Mode(154). Do you want to continue?
	[Contents]	A password is required to set Local Mode (154). Do you continue this processing?
	[Action]	To continue this processing, select [Yes]. If not, select [No].
4026	W	The devices to be maintained include the command devices used in the extended consistency group of Universal Replicator. Delete the journal group which uses the command devices to be maintained from the extended consistency group.
	[Contents]	The devices to be maintained include the command devices used in the extended consistency group of Universal Replicator. Delete the journal group which uses the command devices to be maintained from the extended consistency group.
	[Action]	Delete the journal group which uses the command devices to be maintained from the extended consistency group.
4028	W	The LDKC number contains invalid characters. Enter a correct LDKC number.
	[Contents]	The LDKC number contains invalid characters. Enter a correct LDKC number.
	[Action]	Enter correct data.
4029	W	The LDKC number is invalid. Enter a correct LDKC number.
	[Contents]	The LDKC number is invalid. Enter a correct LDKC number.
	[Action]	Enter correct data.

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ID	Kind	Description
4031	I	Are you sure you want to change the configuration on Maintenance PC to a newly set configuration?
	[Contents]	Do you change the configuration information on the Maintenance PC to the newly set configuration?
	[Action]	Select [Yes] to change the configuration information on the Maintenance PC to the newly set configuration.
4033	E	The media is invalid. Insert the backup Config media.
	[Contents]	The media is invalid. Insert the backup Config media.
	[Action]	Insert the backup Config media.
4034	W	The backup data of configuration information cannot be stored in one floppy disk. Configuration information will be divided if you continue this operation. Do you want to continue this process?
	[Contents]	The backup data of configuration information cannot be stored in one floppy disk. Configuration information will be divided if you continue this operation. Do you continue this processing?
	[Action]	To continue the processing, select [Yes]. If not, select [No].
4035	E	Capacity is insufficient to store the backup data of the configuration information. Replace the backup media of configuration information.
	[Contents]	Capacity is insufficient to store the backup data of the configuration information. Replace the backup media of the configuration information.
	[Action]	Replace the backup media of the configuration information, and then retry the operation.
4036	I	Insert the next Config FD in the floppy disk drive.
	[Contents]	Insert the next Config FD into FDD.
	[Action]	Insert the next Config FD into FDD and click [OK].

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ID	Kind	Description
4037	I	Remove the backup configuration information media.
	[Contents]	Remove the backup configuration information media.
	[Action]	Remove the backup configuration information media and click [OK].
4039	I	Select the Maintenance PC, and insert the firmware storage media.
	[Contents]	Insert the firmware storage media into the Maintenance PC.
	[Action]	Insert the media into the Maintenance PC. Select the drive in which the media is inserted and click [OK]. Clicking [Cancel] suspends the processing.
4040	I	Select the Maintenance PC and insert the key configuration information media or the backup configuration information media.
	[Contents]	Select the Maintenance PC and insert the key configuration information media or the backup configuration information media.
	[Action]	Select the Maintenance PC and insert a media. Specify the drive where the media is inserted as well, and click [OK]. Click [Cancel] to cancel the process.
4041	E	Failed to start the renewal processing.
	[Contents]	The update process of the configuration information failed to start.
	[Action]	Retry the operation. If the same message is output, contact the Technical Support Division.

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ID	Kind	Description
4053	I	The following key codes were entered. Select [OK] when it is correct. %s
	[Contents]	The following key codes was entered. Click [OK] when it is correct. Model
	[Action]	Select [OK] to proceed the processing. Select [Cancel] to terminate the processing.
4054	E	The entered key code is invalid. Enter a correct key code.
	[Contents]	The entered key code is invalid. Enter a correct key code.
	[Action]	Select [OK] to display the “Re-entry” window. Select [Cancel] to suspend the processing.
4055	I	Enter the key code of the configuration information.
	[Contents]	Enter the key code of the configuration information.
	[Action]	Select [OK] to proceed the processing. Select [Cancel] to suspend the processing.

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ID	Kind	Description
4058	I	Do you want to restore %s?
	[Contents]	Do you execute the recovery?
	[Action]	To continue this operation, select [Yes]. If not, select [No].
4059	E	You cannot perform maintenance on the MP because it is normal.
	[Contents]	You cannot execute the maintenance because the target MP is normal.
	[Action]	Check the status of the MP.
4060	W	The maintenance object includes the volume used as System Disk. Do you want to stop this process?
	[Contents]	The maintenance target includes the volume used as a System Disk. Do you suspend the processing?
	[Action]	To suspend this processing, select [Yes]. If not, select [No].
4061	I	The installation of configuration information is executed. Select the media to be installed, and select [OK].
	[Contents]	The configuration information is installed. Select the media to be installed, and click [OK].
	[Action]	Select [CD-R] to install the configuration information from CD-R. Select [Backup Config Media] to install the information from the backup configuration information media.

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ID	Kind	Description
4066	W	The Dynamic Provisioning volume associated with a pool is included in the items to be maintained. Release the association of the Dynamic Provisioning volume and the pool to be maintained.
	[Contents]	The maintenance target includes the DP volume associated with a pool. Release the association of the pool and the DP volume to be maintained.
	[Action]	Release the association of the pool and the DP VOL to be maintained.
4067	W	The volumes registered in a Dynamic Provisioning Pool Group are included in the items to be maintained. Delete the Dynamic Provisioning Pool Group that includes the items to be maintained.
	[Contents]	The maintenance target includes volumes registered in the DP pool group. Delete the DP pool group including the maintenance target.
	[Action]	Delete the DP pool group including the maintenance target.
4068	W	The pool volumes associated with the Dynamic Provisioning volume is included in the items to be maintained. Release the association of the pool volume and the Dynamic Provisioning volume included in the items to be maintained.
	[Contents]	The maintenance target includes pool volumes associated with the DP volume. Release the association of the DP volume and the pool volumes to be maintained.
	[Action]	Release the association of the DP volume and the pool volumes to be maintained.
4084	E	FTP transfer processing has failed because another FTP transfer is already being executed on background. Please wait for a few minutes, and retry only the FTP transfer from AutoDump.
	[Contents]	FTP transfer processing failed because another FTP transfer is already being executed in the background. Wait for a few minutes and retry only the FTP transfer processing by AutoDump.
	[Action]	Wait for a few minutes, select “No Gather” for Type of AutoDump and retry only the FTP transfer.

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ID	Kind	Description
4085	W	Previous PDEV or LDEV installation (removal) has not finished yet. Please install(remove) the same PDEV or LDEV at first.
	[Contents]	The previous PDEV or LDEV addition or removal is not completed yet. Execute the previous addition or removal first.
	[Action]	Click [OK] and execute addition or removal of the previous PDEV or LDEV first.
4086	E	Dynamic Provisioning volumes which are not blocked are included in the Dynamic Provisioning volumes associated with the pool that the pool volume to be maintained belongs. Change the status of all the Dynamic Provisioning volumes associated with the pool that the pool volume to be maintained belongs to blocked.
	[Contents]	DP volumes which are not blocked are included in the DP volumes associated with the pool that the pool volume to be maintained belongs. Change the status of all the DP volumes associated with the pool that the pool volume to be maintained belongs to blocked.
	[Action]	Change the status of all the DP volumes associated with the pool that the pool volume to be maintained belongs to blocked.
4087	E	The format of the input spreadsheet is invalid. %s File:\ %s Line#: %s Field#: %s
	[Contents]	The format of the input spreadsheet is invalid.
	[Action]	Click [OK]. Correct the corresponding section, and retry the tool.
4088	E	The format of the input field is invalid. %s File:\ %s Line#: %s Field#: %s
	[Contents]	The format of the input field is invalid.
	[Action]	Click [OK]. Correct the corresponding section, and retry the tool.
4089	E	The format of the input record is invalid. %s File:\ %s Line#: %s Field#: %s
	[Contents]	The format of the input record is invalid.
	[Action]	Click [OK]. Correct the corresponding section, and retry the tool.

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ID	Kind	Description
4090	E	File I/O failed. %s File:\ %s Line#: %s Field#: %s
	[Contents]	File I/O failed.
	[Action]	Click [OK] and confirm the presence of the file.
4091	E	Memory allocation failed. %s File:\ %s Line#: %s Field#: %s
	[Contents]	Memory allocation failed.
	[Action]	Click [OK]. Terminate other unrelated applications, and then retry.
4092	E	The value is outside the range. %s File:\ %s Line#: %s Field#: %s
	[Contents]	The value is outside the range.
	[Action]	Click [OK]. Correct the corresponding section, and then retry the tool.
4093	E	The relationship between fields is invalid. %s File:\ %s Line#: %s Field#: %s
	[Contents]	The relationship between fields is invalid.
	[Action]	Click [OK]. Correct the corresponding section, and then retry the tool.
4094	E	The value is duplicated. %s File:\ %s Line#: %s Field#: %s
	[Contents]	The value is duplicated.
	[Action]	Click [OK]. Correct the corresponding section, and then retry the tool.
4095	E	Configuration information is inconsistent, %s File:\ %s Line#: %s Field#: %s
	[Contents]	The configuration information is inconsistent.
	[Action]	Click [OK]. Correct the corresponding section, and then retry the tool.

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ID	Kind	Description
4096	E	Unknown error. Please Call the technical support division. %s File:\ %s Line#: %s Field#: %s
	[Contents]	An unknown error. Contact the developer.
	[Action]	An unknown error. Contact the developer.
4097	I	%s processing completed successfully.
	[Contents]	The processing is completed normally.
	[Action]	Click [OK].
4098	W	If you stop the task monitoring, the Maintenance PC needs to be rebooted to restart the monitoring. Do you want to stop the task monitoring?
	[Contents]	A confirmation message to confirm whether to stop the task monitoring.
	[Action]	Follow the message and select [Yes] or [No].

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ID	Kind	Description
4132	W	This maintenance operation may be timed out because there is much write pending data in cache. Please reduce the workload of the cache, and then retry the operation. Do you want to stop this process?
	[Contents]	The maintenance operation may be timed out because much write pending data exists on the Cache. Reduce the load of the Cache, and then retry the operation. Do you suspend the processing?
	[Action]	Reduce the load of the Cache, and then retry the operation. To suspend this processing, select [Yes]. To continue, select [No].
4133	E	The Dynamic Provisioning volume cannot be maintained, because the items to be maintained include the Dynamic Provisioning volumes, and there is the blocked pool. Restore the blocked pool first.
	[Contents]	The DP volume cannot be maintained because the maintenance target includes the DP volumes and there is the blocked pool. Recover the blocked pool first.
	[Action]	Recover the blocked pool VOL in the “Maintenance” window. Then, recover the blocked pool by the Dynamic Provisioning function.
4145	E	The maintenance target includes the System Disk being used by Quick Format.
	[Contents]	The maintenance target includes the System Disk being used by Quick Format.
	[Action]	Check whether Quick Format is completed, and then retry the operation.

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ID	Kind	Description
4150	I	Do you want to turn off Mode 31 Information Gathering?
	[Contents]	Do you cancel the local mode 31 of the information gathering?
	[Action]	Click [Yes] to cancel the local mode 31 of the information gathering.
4151	E	Failed to refer to Mode 31 Information Gathering.
	[Contents]	The local mode 31 of the information gathering failed to be referred to.
	[Action]	Click [OK]. When the local mode 31 of the information gathering is enabled, cancel it.
4152	E	Mode 31 Information Gathering cannot be turned off.
	[Contents]	The local mode 31 of the information gathering cannot be canceled.
	[Action]	Click [OK]. When the local mode 31 of the information gathering is enabled, cancel it.

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ID	Kind	Description
4165	W	Invalid character in %s area. Please input a valid value.
	[Contents]	The character entered in the %s area is invalid.
	[Action]	Enter a correct value.
4167	E	A logical error occurred. Please collect one-touch dump, and call the Technical Support Division.
	[Contents]	A logical error has occurred.
	[Action]	Gather a one-touch dump and contact the Technical Support Division.
4168	I	A password is required to set this Local Mode. Do you want to continue?
	[Contents]	A password is required to set this Local Mode.
	[Action]	To continue this processing, select [Yes]. If not, select [No].
4169	W	If you want to change this Local Mode, permission from the Technical Support Division is required. If you already have the permission, select [Yes].
	[Contents]	To change this Local Mode, the permission from the Technical Support Division is required.
	[Action]	Select [Yes] if the permission is obtained from the Technical Support Division. If not, select [No].
4179	E	The device to be maintained includes M-VOLs. Specify the LDEVs other than M-VOL and retry the operation.
	[Contents]	The maintenance target includes M-VOL. Specify the LDEVs other than M-VOL and retry the operation.
	[Action]	Specify the LDEVs other than M-VOL and retry the operation.

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ID	Kind	Description
4185	W	The configuration changing processes are conflicting at DKC. Check if the configuration changing process by RAID Manager, Volume Migration or Quick Restore is not in the operation, then retry the operation.
	[Contents]	The configuration changing processing is conflicting at DKC. Check if the configuration changing processing by RAID Manager, Volume Migration or Quick Restore is not in the operation, and then retry the operation.
	[Action]	Check if the configuration changing processing by RAID Manager, Volume Migration or Quick Restore is not in the operation, and then retry the operation.
4187	W	[Cancel] was selected. Are you sure you want to quit this process?
	[Contents]	[Cancel] was pressed. Are you sure to terminate the processing?
	[Action]	[YES]: When it is MP installation, re-install after the operation of remove and insert the subject PCBs of maintaining. When it is initial installation, retry the initial installation processing from the beginning. [NO]: It continues the maintenance processing.
4188	W	You cannot operate with different drive types of the threshold management by selecting them at the same time.
	[Contents]	You cannot operate with different drive types of the threshold management by selecting them at the same time.
	[Action]	Select the drive that matches drive types when you select them at the same time.
4194	E	Remote command devices being used in the mirror of the journal group is included in the items to be maintained. Release the remote command devices to be maintained from the allocation for the mirror of the journal group.
	[Contents]	Remote command devices being used in the mirror of the journal group is included in the items to be maintained. Release the remote command devices to be maintained from the allocation for the mirror of the journal group.
	[Action]	Release the remote command devices to be maintained from the allocation for the mirror of the journal group.

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ID	Kind	Description
4198	W	You cannot perform the maintenance operations, because PDEV Erase is being proceeded. Wait until the process of PDEV Erase is completed, or quit that process, and then retry the operation. Do you want to stop this operation?
	[Contents]	You cannot perform the maintenance operation because PDEV Erase is being proceeded. Wait until the PDEV Erase operation is completed or suspend it, and then retry.
	[Action]	Wait until the PDEV Erase operation is completed or suspend it, and then retry. Refer to the THEORY OF OPERATION SECTION "2.7 PDEV Erase" (THEORY02-07-10) for the judgment of completion or the interruption method of the PDEV Erase operation.
4214	E	Failed to transfer the configuration information to DKC.
	[Contents]	Configuration information transfer to DKC failed.
	[Action]	Click [OK].
4231	E	LogdumpServ is not running. Wait for a while, and then retry the operation.
	[Contents]	LogdumpServ is not running. Wait for a while, and then retry the operation.
	[Action]	Wait for a while, and then retry the operation.
4241	W	An internal configuration is being changed. Wait for a while, and then retry the operation.
	[Contents]	The internal configuration is being changed. Wait for a while, and then retry the operation.
	[Action]	Click [OK]. Wait for a while, and then retry the operation.
4250	W	Incorrect user name or password.
	[Contents]	Incorrect user name or password.
	[Action]	Enter a correct user name or a password.

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ID	Kind	Description
4262	I	A battery whose charge capacity is less than 50% is in the system. If there is a battery problem on the battery, replace it. If there is no battery problem on the battery, wait the operation until the charge capacity of the battery becomes 50% or more (maximum 135 min.). Do you want to stop this process?
	[Contents]	A battery whose charge capacity is less than 50% is in the system. If there is a battery problem on the battery, replace it. If there is no battery problem on the battery, wait the operation until the charge capacity of the battery becomes 50% or more (maximum: 135 min.). Do you suspend this processing?
	[Action]	A battery whose charge capacity is less than 50% is in the system. If there is a battery problem on the battery, replace it. If there is no battery problem on the battery, wait the operation until the charge capacity of the battery becomes 50% or more (maximum: 135 min.). To suspend this processing, select [Yes].
4269	I	The CFM size does not match the one defined in the configuration information. The CFM size shown in the configuration information is %s, but the actual CFM size is %s. Set the size correctly.
	[Contents]	The CFM size does not match the one defined in the configuration information. The CFM size shown in the configuration information is %s, but the actual CFM size is %s. Set the size correctly.
	[Action]	Because the CFM size does not match between the actual size and the size defined in the configuration information, install another CFM that matches its size with the one defined in the configuration information.
4270	W	To prevent serious failures caused by the static electrical charge, be sure to wear a wrist strap on your wrist and connect the earth clip attached on the other side of the wrist strap to the chassis frame (metal part) before starting operation.
	[Contents]	To prevent serious failures caused by the static electrical charge, be sure to wear a wrist strap on your wrist and connect the earth clip attached on the other side of the wrist strap to the Storage System frame (metal part) before starting the operation.
	[Action]	Click [OK].

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ID	Kind	Description
4271	I	Did you put on a wrist strap on your wrist?
	[Contents]	Did you put on a wrist strap on your wrist?
	[Action]	Select [Yes] to perform the maintenance. Select [No] to terminate the processing.
4275	W	This operation cannot be executed, because the wrist strap has not been worn. Do you want to stop this process? [Yes]: This processing will be stopped. [No]: The confirming message will appear.
	[Contents]	This operation cannot be executed because the wrist strap has not been worn. Do you suspend the processing? [Yes]: Suspend the processing. [No]: Return to the confirmation message.
	[Action]	If you stop this process, select [Yes]. If not, select [No].
4276	E	The MPC Software mode was forcibly changed to the View mode because Maintenance PC or DKC is busy. Check whether the resource is unlocked or not.
	[Contents]	The MPC Software mode was forcibly changed to the View mode because Maintenance PC or DKC is busy. Check whether the resource is unlocked or not.
	[Action]	Check whether the resource is unlocked or not.
4277	E	Failed to change the MPC Software mode because another user was in operation. Check the processing being operated by the user.
	[Contents]	Failed to change the MPC Software mode because another user was in operation. Check the processing being operated by the user.
	[Action]	Check the processing being operated by the user.

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ID	Kind	Description
4278	I	Turn off the storage system. Confirm the power LED on the Controller Chassis is amber and turn on the storage system. If the CE mode is enabled at that time, disable the CE mode before turning on the storage system. Confirm the power LED on the Controller Chassis is green and select [OK].
	[Contents]	Turn off the Storage System. Confirm the power LED on Controller Chassis is amber and turn on the Storage System. If the CE mode is enabled at that time, disable the CE mode before turning on the Storage System. Confirm the power LED on the Controller Chassis is green and click [OK].
	[Action]	Turn off the Storage System. Confirm the power LED on the Controller Chassis is amber and turn on the Storage System. If the CE mode is enabled at that time, disable the CE mode before turning on the Storage System. Confirm the power LED on the Controller Chassis is green and click [OK].
4279	I	This operation requires the storage system running in the CE mode. Check status of the storage system. Select [Yes] when the storage system is already running in the CE mode. Select [No] when the storage system is not running in the CE mode or if you execute without a switch setting of the CE mode.
	[Contents]	This operation requires the Storage System running in the CE mode. Check the status of the Storage System. [Yes]: The Storage System is already running in the CE mode. [No]: The Storage System is not running in the CE mode or executed without a switch setting of the CE mode.
	[Action]	Select [Yes] when the Storage System is already running in the CE mode. Select [No] when the Storage System is not running in the CE mode or executed without a switch setting of the CE mode.

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ID	Kind	Description
4281	E	Failed to read the configuration information because the configuration was being changed on DKC side. Please wait for the configuration change (such as CLI and Swap) to be completed or for a while, then retry the operation.
	[Contents]	Reading the configuration information failed because the configuration is being changed (such as CLI/Swap) on the DKC side Wait until the configuration change (such as CLI and Swap) is completed or retry the operation after a while.
	[Action]	Wait until the configuration change (such as CLI and Swap) is completed or retry the operation after a while.
4282	E	Failed to change the MPC Software mode due to unlock process failure. Check that the communication error has not occurred between MPC and DKC, and then retry the operation. If this status is still unrecoverable, reboot the Maintenance PC.
	[Contents]	The MPC software mode change failed due to an unlock process failure. Check that the communication error has not occurred between MPC and DKC, and then retry the operation. If this status is still unrecoverable, reboot the Maintenance PC.
	[Action]	Check that the communication error has not occurred between MPC and DKC, and then retry the operation. If this status is still unrecoverable, reboot the Maintenance PC.
4283	W	The available maintenance operations are limited due to lock process failure. If you want to make all the maintenance operations operable, check that the communication error has not occurred between MPC and DKC, and then retry the operation. If this status is still unrecoverable, reboot the Maintenance PC.
	[Contents]	The available maintenance operation is limited due to a lock process failure. If you make all the maintenance operations operable, check that the communication error has not occurred between MPC and DKC, and then retry the operation. If this status is still unrecoverable, reboot the Maintenance PC.
	[Action]	If you make all the maintenance operations operable, check that the communication error has not occurred between MPC and DKC, and then retry the operation. If this status is still unrecoverable, reboot the Maintenance PC.

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ID	Kind	Description
4284	I	Turn off the storage system. Confirm the power LED on the Controller Chassis is amber to turn on the storage system. Select [OK] after the work completion.
	[Contents]	Turn off the Storage System. Confirm the power LED on the Controller Chassis is amber to turn on the Storage System. Click [OK] after the work completion.
	[Action]	Turn off the Storage System. Confirm the power LED on the Controller Chassis is amber to turn on the Storage System. Click [OK] after the work completion.
4289	W	This operation may affect I/O processing because there is much write pending data in the cache. Reduce the workload of the cache, and then retry the operation. Do you want to stop this process?
	[Contents]	This operation may affect I/O process because much write pending data exists in the Cache. Reduce the load of the Cache, and then retry the operation. Do you suspend the processing?
	[Action]	Lower Cache Write Pending Rate [%] to less than 40% for all combinations of MPU and CLPR, and then retry the operation. To terminate this processing, select [Yes]. To continue, select [No].
4293	E	The Dynamic Provisioning volume cannot be maintained, because the items to be maintained include the Dynamic Provisioning volumes, and there is the blocked Pool-VOL. Restore the blocked Pool-VOL first.
	[Contents]	The Dynamic Provisioning volume cannot be maintained, because the items to be maintained include the Dynamic Provisioning volumes, and there is the blocked Pool-VOL. Recover the blocked Pool-VOL first.
	[Action]	Recover the blocked Pool-VOL first.

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ID	Kind	Description
4312	W	Failed to set the Battery Life Warning SIM. After completing the operation, set the Battery Life Warning SIM again from the install window.
	[Contents]	The Battery Life Warning SIM setting failed. After completing the operation, set the Battery Life Warning SIM again from the “install” window.
	[Action]	After completing the operation, set the Battery Life Warning SIM again from the “install” window.
4321	E	Restoring LDEV cannot be done because the volume where LDEV format is not executed is included in the LDEV to be maintained.
	[Contents]	LDEV is not recoverable because the maintenance target LDEV includes the volume where LDEV format is not executed.
	[Action]	Perform LDEV format or quick format for the volume where LDEV format is not executed or for the volume where the journal volume definition is released.
4323	E	An external volume mapped for the online data migration process is included in the target to be maintained. Execute the operation by specifying a volume other than the external volume mapped for the online data migration process.
	[Contents]	The maintenance target include an external volume mapped for the online data migration process. Execute the operation by specifying a volume other than the external volume mapped for the online data migration process.
	[Action]	Specify a volume other than the external volume mapped for the online data migration process in consult with customer, and then retry the operation.

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ID	Kind	Description
4330	E	The specified backup data of the configuration information includes a part where the status is in maintenance. Specify the backup data not included any part where the status is in maintenance, and then retry the operation.
	[Contents]	The specified backup data of the configuration information includes a part where the status is in maintenance. Specify the backup data not included any part where the status is in maintenance, and then retry the operation.
	[Action]	Specify the backup data not included any part where the status is in maintenance, and then retry the operation.
4338	I	Select the Maintenance PC, and then select the drive to output DUMP information. After selecting the drive, select [OK].
	[Contents]	Select the Maintenance PC, and then select the drive to output DUMP information. After selecting the drive, click [OK].
	[Action]	Select the Maintenance PC, and then select the drive to output DUMP information. After selecting the drive, click [OK].
4339	E	The operation failed because the dump file is being collected. Wait until the dump file collection is complete, and then retry the operation.
	[Contents]	The operation failed because the dump file is being collected. Wait until the dump file collection is completed, and then retry the operation.
	[Action]	The operation failed because the dump file is being collected. Wait until the dump file collection is completed, and then retry the operation.

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ID	Kind	Description
4342	I	This operation enables the local key generation to the encrypting key. Do you want to continue?
	[Contents]	This operation enables the local key generation to the encrypting key. Do you continue the processing?
	[Action]	This operation enables the local key generation to the encrypting key. To continue the processing, select [Yes]. If not, select [No].
4343	W	You cannot perform this function from the VIEW mode. Perform it again after changing the MPC software mode to Modify.
	[Contents]	You cannot execute this function in the View mode. Perform it again after changing the MPC software mode to Modify.
	[Action]	You cannot execute this function in the View mode. Perform it again after changing the MPC software mode to Modify.
4344	E	Failed to enable the local key generation to the encryption key.
	[Contents]	Enabling the local key generation to the encryption key failed.
	[Action]	Enabling the local key generation to the encryption key failed. Contact the Technical Support Division.
4347	W	The port number contains invalid characters. Enter a correct port number.
	[Contents]	The port number contains invalid characters.
	[Action]	Enter a correct port number.
4348	W	No data (Port) is entered. Enter correct data.
	[Contents]	No data (Port) is entered.
	[Action]	Enter correct data.

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ID	Kind	Description
4350	I	The information of DP-VOL implementation or the progressing status of quick format is included in backup data of the specified configuration information. Do you want to take over the DP-VOL data or the progressing status of quick format?
	[Contents]	The backup data of the specified configuration information includes the DP-VOL installation or quick format status. Do you take over the DP-VOL data or quick format status?
	[Action]	The backup data of the specified configuration information includes the DP-VOL installation or quick format status. To take over the DP-VOL data or the quick format status, select [Yes]. If not, select [No].
4351	W	The information of DP-VOL implementation or the progressing status of quick format is included. When you continue the operation, DP-VOL data or the progressing status of quick format is initialized. Do you want to continue this operation?
	[Contents]	The DP-VOL installation or quick format status is included. If you continue the operation, the data or quick format status is initialized. To continue the processing, select [Yes]. If not, select [No].
	[Action]	The DP-VOL installation or quick format status is included. If you continue the operation, the data or quick format status is initialized. To continue the processing, select [Yes]. If not, select [No].
4352	W	Backup data of the specified configuration information includes blocked parts in the controller boards. (%s) The controller boards must be removed when starting up the storage system. Remove all displayed controller boards. Select [OK] after the removal work completion.
	[Contents]	Backup data of the specified configuration information includes blocked parts in the controller boards. The Controller Boards must be removed when starting up the Storage System. Remove all the displayed Controller Boards. Click [OK] after completing the removal work.
	[Action]	Backup data of the specified configuration information includes blocked parts in the controller boards. The Controller Boards must be removed when starting up the Storage System. Remove all the displayed Controller Boards. Click [OK] after completing the removal work.

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ID	Kind	Description
4353	E	The storage system cannot be recovered with the specified configuration information due to blocked controller boards (CTL1, CTL2). The process is stopped.
	[Contents]	The storage system cannot be recovered with the specified configuration information due to blocked controller boards (CTL1, CTL2). The processing is suspended.
	[Action]	The Storage System cannot be recovered with the specified configuration information due to blocked controller boards (CTL1, CTL2). The processing is suspended. Contact the Technical Support Division.
4359	W	The backup data of the specified configuration information includes blocked HDDs. Those HDDs must be removed when starting up the storage system. Remove all the HDDs displayed on the window, and then select [OK].
	[Contents]	The backup data of the specified configuration information includes blocked HDDs. Those HDDs must be removed when starting up the Storage System. Remove all the HDDs displayed on the window, and then click [OK].
	[Action]	The backup data of the specified configuration information includes blocked HDDs. Those HDDs must be removed when starting up the Storage System. Remove all the HDDs displayed on the window, and then click [OK].
4361	W	An error occurred while changing the threshold value. Reboot the Maintenance PC, and retry the operation.
	[Contents]	An error has occurred while changing the threshold value.
	[Action]	An error has occurred while changing the threshold value. Reboot the Maintenance PC, and retry this operation. If this problem persists, contact the Technical Support Division.

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ID	Kind	Description
4362	E	Mutual exclusive error has occurred when referring to the configuration information. Wait for a while, and then retry the operation.
	[Contents]	Mutual exclusive error has occurred when referring to the configuration information.
	[Action]	Wait for a while, and then retry the operation (about 10 minutes).
4363	W	When the CU to have SSID change is used by True Copy, the status management of True Copy may fail. Confirm the CU used by True Copy at first. Do you want to stop the process?
	[Contents]	When the CU to have SSID change is used by True Copy, the status management of True Copy may fail. Confirm the CU used by True Copy at first. Do you stop the process?
	[Action]	Check the CU used by True Copy. When the CU is not used by True Copy or the CU is used by the open volume only, continue the process. When the CU is used by other than the open volume, discuss with the customer to delete pairs of True Copy of the mainframe volume and multi platform volume, and the RCU on the CU basis. And then retry the process.
4364	W	The configuration information cannot be checked because “NEW Installation” is in progress. Stop “NEW Installation”, and then select [Refresh].
	[Contents]	The configuration information cannot be checked because “NEW Installation” is in progress.
	[Action]	Stop “NEW Installation” and then select [Refresh].
4365	W	The configuration information cannot be updated because “New Installation” is in progress. Stop “New Installation”, and then try it again.
	[Contents]	The configuration information cannot be updated because “New Installation” is in progress.
	[Action]	The configuration information cannot be updated because “New Installation” is in progress. Stop “New Installation”, and then retry the operation.
4366	W	NEW Installation cannot be executed because the configuration information is being loaded. After loading the configuration information, retry the process.
	[Contents]	NEW Installation cannot be executed because the configuration information is being read.
	[Action]	NEW Installation cannot be executed because the configuration information is being loaded. After loading the configuration information, retry the processing.

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ID	Kind	Description
4420	I	This operation will block the CHB(s) of Cluster-%d. Confirm that you have already shut down the corresponding connected host(s) or switched to the alternate channel path(s) for all HOST connected to this CHB(s). Do you want to continue processing?
	[Contents]	This operation will block the CHB(s) of Cluster-%d. Confirm that you have already shut down the corresponding connected host(s) or switched to the alternate channel path(s) for all HOST connected to this CHB(s). Do you continue the work?
	[Action]	To continue the processing, select [Yes]. If not, select [No].
4421	I	This operation will block the CHBs of Cluster-1 and Cluster-2 alternately. Confirm that you have already shut down the corresponding connected host(s) or switched to the alternate channel path(s) for all HOST connected to this CHBs. Do you want to continue processing?
	[Contents]	This operation will block the CHBs of Cluster-1 and Cluster-2 alternately. Confirm that you have already shut down the corresponding connected host(s) or switched to the alternate channel path(s) for all HOST connected to this CHBs. Do you continue the work?
	[Action]	To continue the processing, select [Yes]. If not, select [No].
4422	W	The currently running maintenance operation removes the shared memory used by the Universal Replicator. Delete all the journal groups.
	[Contents]	The currently running maintenance operation removes the shared memory used by the Universal Replicator. Delete all the journal groups.
	[Action]	Delete all the journal groups.

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ID	Kind	Description
4423	I	In alternate path configuration, switch the channel path connected to the cluster-%d to the alternate path and then click [OK].
	[Contents]	In alternate path configuration, switch the channel path connected to the cluster-%d to the alternate path, and then click [OK].
	[Action]	In alternate path configuration, switch the channel path connected to the cluster-%d to the alternate path, and then click [OK].
4425	W	Data copying processing such as the Correction Copy is being performed to the HDD for diagnosis. Diagnose the HDD again after the copying processing is complete.
	[Contents]	Data copying processing such as the Correction Copy is being performed to the HDD for diagnosis. Diagnose the HDD again after the copying processing is completed.
	[Action]	Check if the data copying processing is being executed to HDD for diagnosis from the maintenance window. If the copying processing is in operation, diagnose the HDD again after the processing is completed.

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ID	Kind	Description
4430	W	Restarting DB power resumption processing failed. Perform dummy replacement of the ENC or the DKB. If this message still appears after performing the dummy replacement three times, contact the Technical Support Division.
	[Contents]	Restarting DB power resumption processing failed. Perform dummy replacement of the ENC or the DKB. If this message is still displayed after performing the dummy replacement three times, contact the Technical Support Division.
	[Action]	Perform dummy replacement of the ENC or the DKB. If this message is still displayed after performing the dummy replacement three times, contact the Technical Support Division.
4431	I	The operation that refers to the state of DKB is complete.
	[Contents]	The operation that refers to the status of DKB is completed.
	[Action]	Refer to the SSB log.
4432	E	SAS-CON that failed to refer to the state exists.
	[Contents]	SAS-CON that failed to refer to the state exists.
	[Action]	Refer to the SSB log.
4433	I	The operation that refers to the state is not performed due to no installed DKB.
	[Contents]	The operation that refers to the status is not performed due to no installed DKB.
	[Action]	Click [OK] and stop the processing.
4435	W	Failed to perform an internal backup of the encryption key. Verify the status in the Maintenance window and the logs in the Information window, and then solve the problem. Perform an external backup of the encryption key when the problem is solved.
	[Contents]	An internal backup of the encryption key failed. The Flash Memory may be damaged. Check the status in the “Maintenance” window and logs in the “Information” window, and then solve the problem. Perform an external backup of the encryption key when the problem is solved.
	[Action]	An internal backup of the encryption key failed. The Flash Memory may be damaged. Check the status in the "Maintenance" window and logs in the "Information" window, and then solve the problem. Perform an external backup of the encryption key when the problem is solved.

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ID	Kind	Description
4440	W	The setting for disabling the local key generation to the encryption key is not configured.
	[Contents]	The setting for disabling the local key generation to the encryption key is not configured.
	[Action]	None
4466	I	The displayed CTLs are the ones in the CE mode. Confirm that all CTLs are displayed. [CTLs in the CE mode] %s When all CTLs are displayed, select [Yes] to continue the processing. When all CTLs are not displayed, select [No] to terminate the processing, and retry the NEW Installation after waiting for 20 minute. (changing to the CE mode takes maximum 20 minutes after powered on.) When all CTLs are not displayed after the retry, see the TROUBLESHOOTING SECTION of Maintenance Manual to take necessary actions.
	[Contents]	Confirm that all CTLs are displayed. When all CTLs are displayed, select [Yes] to continue the processing. When all CTLs are not displayed, select [No] to terminate the processing, and retry the NEW Installation after waiting for 20 minute. (changing to the CE mode takes maximum 20 minutes after powered on). When all CTLs are not displayed after the retry, see the TROUBLESHOOTING SECTION of Maintenance Manual to take necessary actions.
	[Action]	When all CTLs are displayed, select [Yes] to continue the processing. When all CTLs are not displayed, select [No] to terminate the processing, and retry the NEW Installation after waiting for 20 minute. When all CTLs are not displayed after the retry, see the TROUBLESHOOTING SECTION "3.54 Recovery Procedure When the Initial Installation Fails" to take necessary actions.

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ID	Kind	Description
4467	W	There is a CTL that is not in the CE mode. (%s) -Confirm status of the storage system. (Recheck the CE mode. Changing to the CE mode may take about 5 to 60 minutes at the maximum after turning on the storage system.) Do you want to continue? Select [Yes] to recheck the CE mode. Select [No] to stop the process.
	[Contents]	There is a CTL that is not in the CE mode. • Confirm that the Storage System is turned on (recheck the CE mode. Changing to the CE mode may take about 5 to 60 minutes at the maximum after turning on the Storage System). Do you continue the processing? Select [Yes] to recheck the CE mode. Select [No] to terminate this processing.
	[Action]	• Confirm that the Storage System is turned on (recheck the CE mode. Changing to the CE mode may take about 5 to 60 minutes at the maximum after turning on the Storage System). Select [Yes] to continue the process. Select [No] to terminate this processing.
4468	E	Failed to perform the verification of CE mode. Reboot the Maintenance PC, and then retry the operation. If this problem persists, contact the Technical Support Division.
	[Contents]	CE mode check failed. Reboot the Maintenance PC, and then retry the operation. If this problem persists, contact the Technical Support Division.
	[Action]	CE mode check failed. Reboot the Maintenance PC, and then retry the operation. If this problem persists, contact the Technical Support Division.

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ID	Kind	Description
4470	E	There is no CTL in the CE mode. Check status of the storage system. - Confirm the CE mode is enabled. - Confirm the storage system is powered on (changing to the CE mode may take about up to 5 minutes after powered on). After checking it, please retry the process.
	[Contents]	There is no CTL in the CE mode. Check status of the storage system. • Confirm the CE mode is enabled. • Confirm the storage system is powered on (changing to the CE mode may take about up to 5 minutes after powered on). After checking it, please retry the process.
	[Action]	• Confirm the CE mode is enabled. • Confirm the storage system is powered on (changing to the CE mode may take about up to 5 minutes after powered on). After checking it, please retry the process.
4481	E	This storage system is used by global-active device. Release all of the quorum disks, and then retry the operation.
	[Contents]	This Storage System is used by the global-active device. Delete all the Quorum disks, and then retry the operation.
	[Action]	Delete all the Quorum disks, and then retry the operation.
4482	E	The devices to be maintained contain a global-active device pair. Delete the global-active device pair.
	[Contents]	The devices to be maintained contain a global-active device pair. Delete the global-active device pair.
	[Action]	Delete the global-active device pair.
4483	W	The devices to be maintained contain a global-active device pair. Delete the global-active device pair from the MCU.
	[Contents]	The devices to be maintained contain a global-active device pair. Delete the global-active device pair from the MCU.
	[Action]	Delete the global-active device pair from the MCU, and then retry the maintenance operation.

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ID	Kind	Description
4484	W	Global-active device is in the initial copy or update copy process. Wait until the initial copy or update copy process is complete, or suspend or delete the global-active device pair. Do you want to stop this process?
	[Contents]	Global-active device is in the initial copy or update copy process. Wait until the initial copy or update copy process is completed, or suspend or delete the global-active device pair. Do you stop this processing?
	[Action]	[Yes]: Terminate the processing. Wait until the initial copy or update copy process is completed or suspend or delete the global-active device pair, and then retry the maintenance processing. [No]: Continue the processing.
4488	W	Global-active device is in the initial copy or update copy process. Wait until the initial copying or update copying process is complete, or suspend or delete the global-active device pair from the MCU. Do you want to stop this process?
	[Contents]	Global-active device is in the initial copy or update copy process. Wait until the initial copy or update copy process is completed, or suspend or delete the global-active device pair from the MCU. Do you stop this processing?
	[Action]	[Yes]: Stop the processing. Wait until the initial copy or update copy process is completed, or suspend or delete the global-active device pair from the MCU, and then retry the maintenance operation. [No]: Continue the processing.
4550	I	Verify that the firmware is stored in the selected Pc-Drive.
	[Contents]	Verify that the firmware is stored in the selected Pc-Drive.
	[Action]	Verify that the firmware is stored in the selected Pc-Drive, and then click [OK].
4551	I	Loading the firmware is completed.
	[Contents]	Loading the firmware is completed.
	[Action]	Click [OK].

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ID	Kind	Description
4552	I	Are you sure to execute a new installation using the designated configuration information? Select [Yes] to execute a new installation. Select [No] to restore the configuration. <IMPORTANT CAUTION> A new installation initializes external LU information.
	[Contents]	Do you execute a new installation using the specified configuration information? Select [Yes] to execute a new installation. Select [No] to restore the configuration. <IMPORTANT CAUTION> A new installation initializes external LU information.
	[Action]	Select [Yes] to execute a new installation. Select [No] to restore the configuration.
4553	W	If you perform this processing, the accumulated monitor data will be deleted. Do you want to stop this processing?
	[Contents]	If you perform this processing, the accumulated monitor data will be deleted. Do you want stop this processing?
	[Action]	Select [Yes] to stop the processing. If you want to save the accumulated data, acquire the dump type “Monitor” from AutoDump. Select [No] to continue the processing.
4554	I	This operation may take up to %d minutes. Do you want to execute this operation?
	[Contents]	Do you execute this operation?
	[Action]	To execute this operation, select [Yes]. If not, select [No].
4555	E	The system type set by the maintenance PC and that of the storage system do not match.
	[Contents]	The system type set by the maintenance PC and that of the storage system do not match.
	[Action]	Verify whether the system type set on the Add System window in the Storage Device List window is the same as the system type of the storage system.

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ID	Kind	Description
4556	W	The backup data of the specified configuration information includes blocked parts on the controller board. (%s) CFMs on the controller board must be removed before starting up the storage system. Do you want to continue this operation? (Caution) Do not remove the CFMs for now.
	[Contents]	The backup data of the specified configuration information includes blocked parts on the controller board. (%s) CFMs on the controller board must be removed before starting up the storage system. Do you continue this processing? (Caution) Do not remove the CFMs for now.
	[Action]	To continue, select [Yes]. If not, select [No].
4557	I	Remove CFMs from the controller board displayed on the window. (%s) Click [OK] after the removal is complete.
	[Contents]	Remove CFMs from the controller board displayed on the window. (%s) Click [OK] after the removal is complete.
	[Action]	Remove CFMs from the controller board displayed on the window. (%s) Click [OK] after the removal is complete.
4558	W	The backup data of the specified configuration information includes blocked HDDs. The blocked HDDs must be removed before starting up the storage system. Do you want to continue this operation? (Caution) Do not remove the HDDs for now.
	[Contents]	The backup data of the specified configuration information includes blocked HDDs. The blocked HDDs must be removed before starting up the storage system. Do you continue this processing? (Caution) Do not remove the HDDs for now.
	[Action]	To continue, select [Yes]. If not, select [No].

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ID	Kind	Description
4559	I	Remove all of the HDDs displayed on the window. Click [OK] after the removal is complete.
	[Contents]	Remove all of the HDDs displayed on the window. Click [OK] after the removal is complete.
	[Action]	Remove all of the HDDs displayed on the window. Click [OK] after the removal is complete.
4560	I	Turn off the storage system. Verify that the power LED on the controller chassis is amber, and then click [OK].
	[Contents]	Turn off the storage system. Verify that the power LED on the controller chassis is amber, and then click [OK].
	[Action]	Turn off the storage system. Verify that the power LED on the controller chassis is amber, and then click [OK].
4561	I	Turn on the storage system. (If the CE mode is enabled, first disable the CE mode, and then turn it on.) Verify that the power LED on the controller chassis is green, and then click [OK].
	[Contents]	Turn on the storage system. (If the CE mode is enabled, first disable the CE mode, and then turn it on.) Verify that the power LED on the controller chassis is green, and then click [OK].
	[Action]	Turn on the storage system. (If the CE mode is enabled, first disable the CE mode, and then turn it on.) Verify that the power LED on the controller chassis is green, and then click [OK].

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ID	Kind	Description
4562	I	To remove the cache memory of the %s, connect the LAN cable to the maintenance LAN port of the %s. Click [OK] after the LAN cable connection is complete.
	[Contents]	To remove the cache memory of the %s, connect the LAN cable to the maintenance LAN port of the %s. Click [OK] after the LAN cable connection is complete.
	[Action]	Connect the LAN cable to the maintenance LAN port of the %s. Click [OK] after the LAN cable connection is complete.
4563	E	No response from the DKC. A DKC memory dump receiving is stopped while other processings than the DKC memory dump receiving are continued. Click [OK] to continue the operation.
	[Contents]	No response from the DKC. A DKC memory dump receiving is stopped while other processings than the DKC memory dump receiving are continued. Click [OK] to continue the operation.
	[Action]	A DKC Memory dump is not included in the dump file. Confirm the DKC status, and then check whether the status is possible to collect a DKC Memory dump. If the DKC status is normal, collect the System Dump from Maintenance Utility after completing AutoDump.
4564	W	The %s firmware is being updated.
	[Contents]	This message indicates that the %s firmware is being updated. (%s indicates which firmware.) This message might be displayed when the firmware update fails.
	[Action]	Click [Renew] after the firmware update is complete. If this massage is displayed while the firmware is not being updated, the firmware update might have failed. Verify the SIM and SSB.
4565	W	Data acquisition from the %s fails.
	[Contents]	Data acquisition from the %s fails.
	[Action]	Check the status. If the status is normal, continue the processing. If the status is abnormal, reboot the Maintenance PC and retry the same operation. When the retry results in the same phenomenon, contact the Technical Support Division.

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ID	Kind	Description
4566	W	The log deletion of the %s fails.
	[Contents]	The log deletion of the %s fails.
	[Action]	Check the status. If the status is normal, continue the processing. If the status is abnormal, reboot the Maintenance PC and retry the same operation. When the retry results in the same phenomenon, contact the Technical Support Division.
4567	W	When the total of the cache capacity and the cache DIR capacity becomes below 8192[MB], the cache capacity cannot be removed. Remove the SM function first.
	[Contents]	Remove the SM function, and then perform the maintenance.
	[Action]	In the case of the S model or H model, remove Extension1 of the SM function. In the case of the M model, remove Extension3 of the SM function.
4568	E	A conflict with AutoDump of other process occurs in the DKC, and collecting the DKC memory dump is stopped. Click [OK] to continue the processing.
	[Contents]	A conflict with AutoDump of other process occurs in the DKC, and collecting the DKC memory dump is stopped. Click [OK] to continue the processing.
	[Action]	Wait for a while, and then retry.
4569	E	Nothing is responded from the GUM. The DKC memory dump is not collected. Click [OK] to continue the processing.
	[Contents]	Nothing is responded from the GUM. The DKC memory dump is not collected. Click [OK] to continue the processing.
	[Action]	Check the status of the GUM and the connection between the MPC and GUM to confirm AutoDump is available.
4570	E	A communication time out error occurs. Collecting the DKC memory dump is stopped, and any other processes are continued. Click [OK] to continue the processing.
	[Contents]	A communication time out error occurs. Collecting the DKC memory dump is stopped, and any other processes are continued. Click [OK] to continue the processing.
	[Action]	A DKC Memory dump is not included in the dump file. Retry the operation. If the same phenomenon still occurs, collect the System Dump from Maintenance Utility.

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ID	Kind	Description
4571	E	An error occurs in an internal process. Collecting the DKC memory dump is stopped, and any other processes are continued. Click [OK] to continue the processing.
	[Contents]	An error occurs in an internal process. Collecting the DKC memory dump is stopped, and any other processes are continued. Click [OK] to continue the processing.
	[Action]	A DKC Memory dump is not included in the dump file. Retry the operation. If the same phenomenon still occurs, contact the Technical Support Division. Besides, collect the System Dump from Maintenance Utility.
4572	I	Replace or remove the controller board (Memory/CFM) of the cluster 1. Then, remove optionally-installed batteries from BKMFs. Select [OK] when completed.
	[Contents]	Request to remove the Memory/CFM/Batteries of the cluster 1.
	[Action]	Remove the Memory/CFM of the cluster 1. Then, remove optionally-installed batteries from BKMFs.
4573	I	Replace or remove the controller board (Memory/CFM) of the cluster 2. Then, remove optionally-installed batteries from BKMFs. Select [OK] when completed.
	[Contents]	Request to remove the Memory/CFM/Batteries of the cluster 2.
	[Action]	Remove the Memory/CFM of the cluster 2. Then, remove optionally-installed batteries from BKMFs.
4574	E	A communication error occurs between the MPC and DKC (CTL1). The DKC memory dump of CTL1 is not collected. Click [OK] to continue the processing.
	[Contents]	A communication error occurs between the MPC and DKC (CTL1). The DKC memory dump of CTL1 is not collected. Click [OK] to continue the processing.
	[Action]	Confirm the status of the CTL1 side and check the cause of the communication error. If CTL1 is blocked, the DKC Memory dump of the CTL1 side cannot collect. If the status of CTL1 is normal, collect the System Dump from Maintenance Utility after completing the AutoDump.

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ID	Kind	Description
4575	E	A communication error occurs between the MPC and DKC (CTL2). The DKC memory dump of CTL2 is not collected. Click [OK] to continue the processing.
	[Contents]	A communication error occurs between the MPC and DKC (CTL2). The DKC memory dump of CTL2 is not collected. Click [OK] to continue the processing.
	[Action]	Confirm the status of the CTL2 side and check the cause of the communication error. If CTL2 is blocked, the DKC Memory dump of the CTL2 side cannot collect. If the status of CTL2 is normal, collect the System Dump from Maintenance Utility after completing the AutoDump.
4576	W	A failure occurs in a %s.
	[Contents]	A failure occurs in a part. “%s” indicates the type of the part (DIMM, CFM, BKM, etc).
	[Action]	Confirm the error log in the information screen and solve the problem.
4577	E	Connection with GUM cannot be established. Confirm if the LAN cable is connected to the maintenance LAN port of the %s. After the confirmation, retry the process.
	[Contents]	Connection with GUM cannot be established. Confirm if the LAN cable is connected to the maintenance LAN port of the %s. After the confirmation, retry the process.
	[Action]	Check if the LAN cable is correctly connected to the maintenance LAN port of the displayed CTL. Confirm the status of the GUM and the connection between the MPC and GUM, and check if cache memory can be removed.
4578	E	An error occurred during the dump collection of GUM. GUM dump on the CTL1 side could not be collected. The operation except for GUM dump is continued. Click [OK] to continue the processing.
	[Contents]	An error occurred during the dump collection of GUM. GUM dump on the CTL1 side could not be collected. The operation except for GUM dump is continued. Click [OK] to continue the processing.
	[Action]	The GUM dump of the CTL1 side is not included in the dump file. Check the connection of MPC-GUM and the GUM status of the CTL1 side. If the GUM status of the CTL1 side is normal, collect the System Dump from Maintenance Utility after completing the AutoDump.

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ID	Kind	Description
4579	E	An error occurred during the dump collection of GUM. GUM dump on the CTL2 side could not be collected. The operation except for GUM dump is continued. Click [OK] to continue the processing.
	[Contents]	An error occurred during the dump collection of GUM. GUM dump on the CTL2 side could not be collected. The operation except for GUM dump is continued. Click [OK] to continue the processing.
	[Action]	The GUM dump of the CTL2 side is not included in the dump file. Check the connection of MPC-GUM and the GUM status of the CTL2 side. If the GUM status of the CTL2 side is normal, collect the System Dump from Maintenance Utility after completing the AutoDump.
4580	E	An error occurred during the dump collection of GUM. GUM dump could not be collected. The operation except for GUM dump is continued. Click [OK] to continue the processing.
	[Contents]	An error occurred during the dump collection of GUM. GUM dump could not be collected. The operation except for GUM dump is continued. Click [OK] to continue the processing.
	[Action]	The GUM dump is not included in the dump file. Check the connection of MPC-GUM and the GUM status. If the GUM status is normal, collect the System Dump from Maintenance Utility after completing the AutoDump.
4581	E	The version of the firmware media is inconsistent with the version of MPC Software or the media may be incorrect.
	[Contents]	The version of the firmware media is inconsistent with the version of MPC Software or the media may be incorrect.
	[Action]	Update the MPC Software by a correct combination of the firmware media and the MPC Software. If the same message is displayed after updating the MPC Software by using the correct combination, the media may be incorrect. Please exchange the media and then retry the update of the MPC Software. If the same phenomenon still occurs, contact the Technical Support Division.
4582	E	An error occurred during the NAS dump collection. NAS dump on the %s side could not be collected. The processing except for NAS dump collection is continued. Click [OK] to continue the processing.
	[Contents]	An error occurred during the NAS dump collection. NAS dump on the %s side could not be collected. The processing except for NAS dump collection is continued. Click [OK] to continue the processing.
	[Action]	The NAS dump on the %s side is not included in the dump file. Please confirm the connection between Maintenance PC and GUM, and the status of the %s.

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ID	Kind	Description
4583	E	An error has occurred in the internal processing. The processing except for NAS dump collection is continued. Click [OK] to continue the processing.
	[Contents]	An error has occurred in the internal processing. The processing except for NAS dump collection is continued. Click [OK] to continue the processing.
	[Action]	The NAS dump is not included in the dump file. Retry the operation. If the same phenomenon still occurs, contact the Technical Support Division.
4584	W	The specified dump type cannot be collected in the current DKC configuration. Autodump terminates.
	[Contents]	The specified dump type cannot be collected in the current DKC configuration. Autodump terminates.
	[Action]	Click [OK] to terminate the processing.
4585	W	Either PC-Drive that does not have a firmware media is specified or a correct firmware media may not being used. Please confirm.
	[Contents]	Either PC-Drive that does not have a firmware media is specified or a correct firmware media may not being used. Please confirm.
	[Action]	After confirming the selected PC-Drive and the firmware media, click [OK].
4586	E	Failed to copy the firmware media. Contact the Technical Support Division.
	[Contents]	Failed to copy the firmware media. Contact the Technical Support Division.
	[Action]	Failed to copy the firmware media. Contact the Technical Support Division.
4587	E	Failed to change the System Option Mode.
	[Contents]	Failed to change the System Option Mode.
	[Action]	Confirm that the changes of System Option Mode are reflected. In case that the changes are not reflected yet, retry the System Option. If the same problem persists, contact the Technical Support Division.
4588	E	Because the memory of DKC is being locked, data acquisition from the DKC failed. Wait for a while and retry the operation.
	[Contents]	Because the memory of DKC is being locked, data acquisition from the DKC failed. Wait for a while and retry the operation.
	[Action]	Wait for a while and retry the operation.

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ID	Kind	Description
4589	E	The FTP communication error occurred.
	[Contents]	The FTP communication error occurred.
	[Action]	(1) When this message is output by operating the NEW Installation (Auto Define Configuration, All Firmwares), see "6.2 Troubleshooting of New Installation of the Firmware" in the INSTALLATION SECTION to solve the problem. (2) When this message is output by operating the New Installation (Offline Configuration Definition, All Firmwares) or Restore Configuration, see "5.4 Troubleshooting of Config Exchange Procedure" in the FIRMWARE SECTION to solve the problem.
4590	E	Checking the CE mode was terminated abnormally due to the communication error. [CTLs of the communication error] %s
	[Contents]	Checking the CE mode was terminated abnormally due to the communication error.
	[Action]	Select [OK] to end the processing, and then see the TROUBLESHOOTING SECTION "3.54 Recovery Procedure When the Initial Installation Fails" to take necessary actions.
4591	E	The LAN cable connection between the Maintenance PC and the Storage System is invalid. Confirm whether the LAN cable is connected to the Maintenance LAN port of CTL1.
	[Contents]	The LAN cable connection between the Maintenance PC and the Storage System is invalid. Confirm whether the LAN cable is connected to the Maintenance LAN port of CTL1.
	[Action]	Connect the LAN cable to the maintenance LAN port of the CTL1.
4592	E	Failed to transfer the Firmware to the Storage System.
	[Contents]	Failed to transfer the Firmware to the Storage System.
	[Action]	(1) When this message is output by operating the NEW Installation (Auto Define Configuration, All Firmwares), see "6.3 Troubleshooting of New Installation of the Firmware" in the INSTALLATION SECTION to solve the problem. (2) When this message is output by operating the New Installation (Offline Configuration Definition, All Firmwares) or Restore Configuration, see "5.4 Troubleshooting of Config Exchange Procedure" in the FIRMWARE SECTION to solve the problem.
4593	E	MPC Software internal fatal error has occurred.
	[Contents]	MPC Software internal fatal error has occurred.
	[Action]	Reboot the Maintenance PC and retry the operation. If the same phenomenon still occurs, contact the Technical Support Division.

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ID	Kind	Description
4598	E	A connection error occurred between MPC software and DKC. Check if the LAN cable is connected correctly. When it is connected correctly, wait until the Estimated Work Time that is described in the INSTALLATION SECTION of Maintenance Manual elapses because the blockade process of the controller board might be in progress. After that, see the TROUBLESHOOTING SECTION of Maintenance Manual to take necessary actions.
	[Contents]	A connection error occurred between MPC software and DKC. Check if the LAN cable is connected correctly. When it is connected correctly, wait until the Estimated Work Time that is described in the INSTALLATION SECTION of Maintenance Manual elapses because the blockade process of the controller board might be in progress. After that, see the TROUBLESHOOTING SECTION of Maintenance Manual to take necessary actions.
	[Action]	Check if the LAN cable is connected correctly. When it is connected correctly, take the following actions. (1) See the Estimated Work Time that is described in "4.8 Removing Cache Memory/Cache Flash Memory/Battery" in the INSTALLATION SECTION, and wait until "Controller Board blocking time" elapses. (2) See the TROUBLESHOOTING SECTION "2.2.14 Error Recovery When Removing Cache Memories/Cache Flash Memories/Batteries" to take necessary actions.
4599	E	A connection error occurred between MPC software and DKC. Check if the LAN cable is connected correctly. When it is connected correctly, wait until the Estimated Work Time that is described in the INSTALLATION SECTION of Maintenance Manual elapses because the restoring process of the controller board might be in progress. After that, see the TROUBLESHOOTING SECTION of Maintenance Manual to take necessary actions.
	[Contents]	A connection error occurred between MPC software and DKC. Check if the LAN cable is connected correctly. When it is connected correctly, wait until the Estimated Work Time that is described in the INSTALLATION SECTION of Maintenance Manual elapses because the restoring process of the controller board might be in progress. After that, see the TROUBLESHOOTING SECTION of Maintenance Manual to take necessary actions.
	[Action]	Check if the LAN cable is connected correctly. When it is connected correctly, take the following actions. (1) See the Estimated Work Time that is described in "4.8 Removing Cache Memory/Cache Flash Memory/Battery" in the INSTALLATION SECTION, and wait until total time of "Controller Board diagnosis time" and "Controller Board recovery time" elapses. (2) See the TROUBLESHOOTING SECTION "2.2.14 Error Recovery When Removing Cache Memories/Cache Flash Memories/Batteries" to take necessary actions.

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4. NAS Manager Event Log ID

This section describes the event log ID displayed by NAS Manager.
Also, the target people and the actions are described by classifying each ID as shown in Table 4-1.
For the details of each ID, see Table 4-2.
For how to confirm the event log ID, see MAINTENANCE PC SECTION "6.10 Confirming the Event Log".

Table 4-1 Classification and Actions

Type	Target Person	Action
U	User	Contact the system administrator to report the contents of the recovery action.
MA	Maintenance Personnel	See the Trouble Shooting Section to perform the isolation of the failures.
MP	Maintenance Personnel	
E	Maintenance Personnel	See the Trouble Shooting Section to perform the failure recovery.

Table 4-2 List of Event log ID

ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
1017	E	SEVERE	All servers in a cluster must have the same licenses. On this cluster, different services are licensed on individual servers.	—	Collect the failure information and contact the Technical Support Division.
	The same services are not licensed for all servers in the cluster.				
1018	E	SEVERE	There is a limit on the size of a record file used to save the server's configuration. The file has now reached this limit, and no more entries may be added to it.	—	Collect the failure information and contact the Technical Support Division.
	Record file %s is too big.				
1023	E	SEVERE	The server has failed to completed its normal shutdown sequence. Server will shutdown.	—	Collect the failure information and contact the Technical Support Division.
	Server shutdown has timed out.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
1027	E	SEVERE	There is a limit on the size of a record entry in a configuration file. The specified record has reached this limit.	—	Collect the failure information and contact the Technical Support Division.
	Record entry %s is too big.				
1028	E	SEVERE	The server failed to write the specified record entry to the registry.	—	Collect the failure information and contact the Technical Support Division.
	Upgrade wizard failed to upgrade record entry: %s.				
1036	E	SEVERE	The server previously failed to shutdown cleanly.	—	Collect the failure information and contact the Technical Support Division.
	Last server shutdown wasn't clean (%s, %s, %s).				
1056	MA	SEVERE	The specified license key is about to expire.	Contact your support provider.	Contact the system administrator to notify that the license will expire soon.
	Server shutdown has timed out.				
1064	MA	SEVERE	The internal interboard communication detected a non-fatal buffer overrun.	Report this error to your support provider.	See TROUBLESHOOTING SECTION "20.2.2 Recovery from ICC Failure".
	Internal interboard communication error. %s.				
1065	E	SEVERE	The system recovered a fatal event from a previous boot.	—	Collect the failure information and contact the Technical Support Division.
	Recovered fatal on %s: %s.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
1081	MP	SEVERE	Encountered an excessive number of I2C read failures - will not read from this device anymore.	Contact support provider to replace device or board.	1. Check whether any SIMs are output at the same time. Go to 2 if no SIM is output. Go to 3 if SIMs are output. 2. Collect the failure information and contact the Technical Support Division. 3. If the parts are already replaced, complete the maintenance. If not, take actions following instructions given in the TROUBLE-SHOOTING SECTION according to the contents of the corresponding SIMs.
	Excessive number of I2C read failures: - bus:%d device:%u (%s).				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
1082	MP	SEVERE	Excessive number of I2C write failures: - bus:%d device:%u (%s).	Encountered an excessive number of I2C write failures - will not write to this device anymore.	Contact support provider to replace device or board.	1. Check whether any SIMs are output at the same time. Go to 2 if no SIM is output. Go to 3 if SIMs are output. 2. Collect the failure information and contact the Technical Support Division. 3. If the parts are already replaced, complete the maintenance. If not, take actions following instructions given in the TROUBLE-SHOOTING SECTION according to the contents of the corresponding SIMs.
1093	E	SEVERE	Last server shutdown wasn't clean (%s).	The server previously failed to shutdown cleanly.	—	Collect the failure information and contact the Technical Support Division.
1095	E	SEVERE	Last server shutdown wasn't clean (%s).	The server has failed to allocate sufficient heap memory to create a pool. The system is likely to reset repeatedly until there is a change in the usage pattern that triggered the problem. The server also requires a reconfiguration and a reboot will be necessary.	—	Collect the failure information and contact the Technical Support Division.
1189	U	SEVERE	%s.	DNS is not running for the given EVS as the server ran out of resources whilst enabling it.	Reboot.	Contact the system administrator to report the contents of the recovery action.

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(Continued from the preceding page)

ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
1361	E	SEVERE	The server has failed to allocate sufficient heap memory to create a stack for a new thread. This is likely to lead to a deadlock which is likely to cascade until all file serving in the cluster stops and it becomes unresponsive to management interfaces.	—	Collect the failure information and contact the Technical Support Division.
	Failed to allocate stack on %s for thread %s.				
1576	E	SEVERE	Corruption seen on CNS path.	—	Collect the failure information and contact the Technical Support Division.
	Corrupt data returned: length %u, offset %u, expected 0x%X but saw 0x%X.				
1596	MP	SEVERE	The hardware self test that runs at startup failed.	Run the command post-status and contact your support provider with the output it provides.	1. Check whether any SIMs are output at the same time. Go to 2 if no SIM is output. Go to 3 if SIMs are output. 2. Collect the failure information and contact the Technical Support Division. 3. If the parts are already replaced, complete the maintenance. If not, take actions following instructions given in the TROUBLE-SHOOTING SECTION according to the contents of the corresponding SIMs.
	The hardware Power On Self Test (POST) failed. To display the POST output use command post-status.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
1703	E	SEVERE	MMB Memory is overcommitted by %dMiB.	The system may attempt to use more memory than is available.	—	Collect the failure information and contact the Technical Support Division.
1704	E	SEVERE	MMB Memory is overcommitted by %s.	The system may attempt to use more memory than is available.	—	Collect the failure information and contact the Technical Support Division.
1709	E	SEVERE	Node %s has failed to form the cluster automatically.	The node cannot be operational without forming the cluster.	—	Collect the failure information and contact the Technical Support Division.
1710	E	SEVERE	%s.	The NAS module detected that the management network configuration changed several times in a brief period and has suspended updates.	—	Collect the failure information and contact the Technical Support Division.
1712	MP	SEVERE	HFB1 VV0330PDIWFS Undervoltage Error.	The HFB1 module attached to this controller suffers from a rare undervoltage condition.	The board must be returned for correction.	1. Check whether any SIMs are output at the same time. Go to 2 if no SIM is output. Go to 3 if SIMs are output. 2. Collect the failure information and contact the Technical Support Division. 3. If the parts are already replaced, complete the maintenance. If not, take actions following instructions given in the TROUBLE-SHOOTING SECTION according to the contents of the corresponding SIMs.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
2103	MP	SEVERE	Inquiries are taking longer to complete than expected.	This indicates that filesystem requests have been outstanding for an unexpectedly long time. Please check for storage issues which may be contributing to delays, or high parallel network load. The trouble-perf command can sometimes provide information about the problem. If none of these leads to a solution, please gather a PIR before escalating. Contact your support provider.	According to the QA instructions, collect PIR and contact the Technical Support Division.
	%s.				
2111	MP	SEVERE	Altera programming completed successfully after more than one attempt.	This indicates an issue with the HFB hardware and it may require replacement. Contact your support provider.	1. Check whether any SIMs are output at the same time. Go to 2 if no SIM is output. Go to 3 if SIMs are output. 2. Collect the failure information and contact the Technical Support Division. 3. If the parts are already replaced, complete the maintenance. If not, take actions following instructions given in the TROUBLE-SHOOTING SECTION according to the contents of the corresponding SIMs.
	Altera programming successful after %d attempts on %s board.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
3000	MA	WARNING	The Ethernet link is no longer operational.	Ensure the Ethernet switch/router is operational, the fiber or copper Ethernet cable is plugged in and not broken, the Ethernet GBIC is plugged in and not broken.	See the TROUBLESHOOTING SECTION "20.2.1 Isolating Data LAN Failure" perform the isolation of the failures.
	Ethernet link has gone down.				
3002	MA	SEVERE	The server started and the Ethernet link has not come up within 60 seconds.	Ensure the Ethernet switch/router is operational, the fiber or copper Ethernet cable is plugged in and not broken, the Ethernet GBIC is plugged in and not broken.	See the TROUBLESHOOTING SECTION "20.2.1 Isolating Data LAN Failure" perform the isolation of the failures.
	Ethernet link has not come up after 60 seconds.				
3003	MA	WARNING	The Ethernet transmitter cannot send data, possibly due to network congestion.	Check the Ethernet switch/router is operational, and the network that the switch/router is connected to is not 100% congested.	See the TROUBLESHOOTING SECTION "20.2.1 Isolating Data LAN Failure" perform the isolation of the failures.
	Ethernet discarded Tx frames which it was unable to transmit.				
3004	MA	WARNING	The Ethernet link on the management port is no longer operational.	Check the Ethernet switch/router is operational, the fiber or copper Ethernet cable is plugged in and not broken, the Ethernet GBIC is plugged in and not broken.	See the TROUBLESHOOTING SECTION "20.2.1 Isolating Data LAN Failure" perform the isolation of the failures.
	Ethernet link (10/100 port) %s has gone down.				
3011	U	SEVERE	Another system on the network is using the same IP address as the cluster.	Disconnect either this server or the conflicting system as soon as possible. Then reconfigure this server or the conflicting system to use a different IP address.	Contact the system administrator to report the contents of the recovery action.
	Server IP address %u.%u.%u.%u conflicts with another system (MAC 0x%08.8x%04.4x).				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
3022	U	WARNING	IP reassembly resumed now that pool is no longer badly fragmented.	No action required.	Contact the system administrator to report the contents of the recovery action.
	IP reassembly resumed: dropped %d fragments in %d packets.				
3023	U	WARNING	Invalid IP configuration data (ipadv or ipeng) was seen so the system has reverted to a safe set of defaults.	Manually restore any non-default settings.	Contact the system administrator to report the contents of the recovery action.
	IP configuration invalid: reverting to defaults.				
3026	MA	WARNING	One port of an Ethernet link with redundant ports has gone down. There may still be a link as long as one port is working.	Check the cable is plugged in and not broken.	See the TROUBLESHOOTING SECTION "20.2.1 Isolating Data LAN Failure" perform the isolation of the failures.
	%s link port %s has gone down.				
3028	MA	WARNING	The network link is no longer operational.	Check the network cable and any optical transceivers to ensure they are plugged in and not broken.	See the TROUBLESHOOTING SECTION "20.2.1 Isolating Data LAN Failure" perform the isolation of the failures.
	%s link has gone down%s.				
3035	MA	WARNING	The link is no longer operational.	Check the network cable and any optical transceivers to ensure they are plugged in and not broken.	See the TROUBLESHOOTING SECTION "20.2.1 Isolating Data LAN Failure" perform the isolation of the failures.
	%s link has gone down (%s).				
3090	U	WARNING	A network loop has been detected.	Check the network topology and cabling.	Contact the system administrator to report the contents of the recovery action.
	%s.				
3100	U	SEVERE	Another system on the network is using the same IP address.	Disconnect either this server or the conflicting system as soon as possible. Then reconfigure this server or the conflicting system to use a different IP address.	Contact the system administrator to report the contents of the recovery action.
	IP address %s conflicts with another system (MAC %s).				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
3200	MA	WARNING	The server has detected a high rate of packet loss on the cluster interconnect. This event will be logged periodically until it returns to an acceptable level.	Check cabling, connections, etc. If the problem persists, contact your support provider.	See the TROUBLESHOOTING SECTION "20.2.2 Recovery from ICC Failure" to perform the failure recovery.
	Excessive packet loss on cluster interconnect.				
3962	E	SEVERE	The server only supports this storage configured in write through cache mode. The SDs have been failed as a precaution.	—	Collect the failure information and contact the Technical Support Division.
	The server has detected that SCSI device%s configured in write back cache mode.				
3965	U	SEVERE	The server needs to be able to make some checks of the storage before allowing it to be licensed so the storage must be online.	Ensure the storage is online and accessible to the server.	Contact the system administrator to report the contents of the recovery action.
	The request to license SCSI device %d was denied because the storage is not accessible or is offline.				
3990	E	SEVERE	The persistent failure of the media check of this system drive has caused the system drive to be failed by the server. This failure state will persist until a server device refresh command is issued.	—	Collect the failure information and contact the Technical Support Division.
	Device %d is failed because the media check has persistently failed.				
3993	E	SEVERE	The server has received 1 or more SCSI Unit Attentions from the target device.	—	Collect the failure information and contact the Technical Support Division.
	%sSCSI device %d LUN %d Port %d (address %s) has received 1 or more Unit Attentions : %s.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
3999	E	SEVERE	The server has detected that the storage is reporting a system ID that is not recognized as supported storage. All SDs in the storage enclosure have been unlicensed as a precaution.	—	Collect the failure information and contact the Technical Support Division.
	Devices %s have been unlicensed because the storage rack system identifier indicates the storage is not supported.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
4011	E	SEVERE	%sSCSI device%s SCSI Port %d (address %s) %s issued UA's : %s.	The server has received 1 or more SCSI Unit Attentions from the listed devices.	—	Collect the failure information and contact the Technical Support Division.
4012	E	SEVERE	SCSI device %u could not be closed.	The SCSI device has persistently failed to execute the commands required to make it safe for removal.	—	Collect the failure information and contact the Technical Support Division.
4084	E	SEVERE	Devices %s have been unlicensed because the RAID controller Host Config options are not compatible with the server.	The server has detected that the RAID controller Host Configuration options are not compatible with the server. All SDs in the storage enclosure have been unlicensed as a precaution.	—	Collect the failure information and contact the Technical Support Division.
4086	E	SEVERE	The Host Config buffer data read from SCSI port %d is not consistent with that read from SCSI port %d.	The server has detected that the Host Configuration data returned by a Read Buffer command is not consistent between controllers in the affected rack.	—	Collect the failure information and contact the Technical Support Division.
4092	E	SEVERE	The server has detected that LSI device%s not attached to a FC fabric.	LSI storage devices attached to a Fibre Channel loop is not a configuration that is supported by the server; this storage must be attached to a FC fabric.	—	Collect the failure information and contact the Technical Support Division.
4094	E	SEVERE	SCSI device %d LUN %d Port %d received a Unit Attention : %s.	The server has received a SCSI Unit Attention from the storage device.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
4108	E	SEVERE	system drive %d capacity is not consistent across all SCSI ports.	The capacity of the system drive <number> obtained through one port does not match the capacity obtained through the other ports. This may indicate that a RAID controller has been moved between storage racks and the controller has maintained it's old configuration.	—	Collect the failure information and contact the Technical Support Division.
4128	U	SEVERE	SCSI device %d has been deleted when it was in use.	The SCSI device has been removed from the configuration while it was in use. This may cause additional failures.	The server may need to be rebooted to recover from this error.	Contact the system administrator to report the contents of the recovery action.
4130	E	SEVERE	SCSI device %d: %s Rxed invalid cmd (sense: %s %s).	The system drive returned an invalid command response to a read or write operation. The server is deliberately stopping.	—	Collect the failure information and contact the Technical Support Division.
4137	E	SEVERE	Device %d%s.	The storage device is reporting failed status. If the device is a span member, the span and span ID are specified.	—	Collect the failure information and contact the Technical Support Division.
4140	E	SEVERE	The request to license SCSI device %d was denied : vendor %s is not supported or licensing is disabled.	The storage device is not supported or licensing is disabled; a request to license it was denied.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
4141	E	SEVERE	The request to license Device %d was denied : incompatible configuration.	The request to license the storage device was denied because the User Configurable Options are not configured for interoperability with the server.	—	Collect the failure information and contact the Technical Support Division.
4198	E	SEVERE	Frame loss on SCSI Port %u.	The server has detected a high rate of frame loss on a particular SCSI path. Run scsi-io-errors for more details. It will automatically switch I/O to more reliable paths if available.	—	Collect the failure information and contact the Technical Support Division.
4199	E	SEVERE	Persistent timeout errors on device %d.	The server has seen a high rate of timeout errors on a device.	—	Collect the failure information and contact the Technical Support Division.
4601	E	SEVERE	SCSI R/W exchange key 0x%04X on %s (nexus %d): timeout (%d retries).	The server has not received a response to a read/write request.	—	Collect the failure information and contact the Technical Support Division.
4613	E	SEVERE	SCSI R/W exchange key 0x%04X on %s (nexus %d): SCSI error (status code %s) (%d retries).	The server has received a SCSI error on a read/write request.	—	Collect the failure information and contact the Technical Support Division.
4615	E	SEVERE	SCSI R/W exchange key 0x%04X: Check Condition %X/%02X/%02X - %s %s.	The server has received a SCSI Check Condition on a read/write request.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
4617	E	SEVERE	The server has received a SCSI Check Condition on a read/write request.	—	Collect the failure information and contact the Technical Support Division.
	SCSI R/W exchange key 0x%04X: Check Condition %X/%02X/%02X - %s %s on %s.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
5132	E	SEVERE	The server lost communication with the Quorum Device. The cluster's availability is now reduced.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Lost communication with the Quorum Device.				
5137	E	SEVERE	Cluster configuration failed. Cluster name is already being used. Reverted to non-clustered configuration.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Cluster name %s in use.				
5138	E	SEVERE	Cluster configuration failed. Quorum Device not found. Reverted to non-clustered configuration.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Quorum Device %s not found.				
5139	E	SEVERE	Cluster configuration failed. Quorum Device is already configured for another cluster. Reverted to non-clustered configuration.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Quorum Device %s already configured.				
5140	E	SEVERE	Cluster configuration failed. Failed to configure Quorum Device. Reverted to non-clustered configuration.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Error configuring Quorum Device %s.				
5141	E	SEVERE	The server could not find the cluster it was trying to join. Reverted to non-clustered configuration.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Cluster %s not found.				
5142	E	SEVERE	The server failed to join the cluster. Reverted to non-clustered configuration.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Joining cluster %s failed.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
5144	E	SEVERE	The cluster node is no longer operational. The cluster is taking over its file services now.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Node %s (id=%d) is dead.				
5148	E	SEVERE	The cluster node is not operational (Not Up state). Another server in the cluster will take over its file services.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Node %s (id=%d) is NOTUP.				
5166	E	SEVERE	The cluster node failed to get a cluster BRPC response from the remote node.	—	Collect the failure information and contact the Technical Support Division.
	The cluster node %d failed to get a cluster BRPC response from the remote node for %d minutes.				
5168	E	SEVERE	The cluster configuration indicates that the joining node's identification number is already in use by another member of the cluster.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: The joining node's unique identification number does not match that expected by the cluster.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
5187	MA	SEVERE	Cluster: could not migrate EVS %s(ID=%d) because the target cluster node has experienced an Ethernet failure.	EVS migration did not occur because its partner node has suffered a hardware or software failure in Ethernet connectivity.	Investigate what caused the server to fail, or re-establish connectivity. Restart the failed node if it has not already rebooted. Contact your support provider if necessary.	Perform the following procedure from 1 to 3. 1. Node 1 side (1) Check the network. (2) Check the node status. (3) If the status is not Active, reset the NASFW. 2. Node 2 side (1) Check the network. (2) Check the node status. (3) If the status is not Active, reset the NASFW. 3. After performing the procedure for both nodes, migrate the EVS to the preferred side.
5188	MP	SEVERE	Cluster: could not migrate EVS %s(ID=%d) because the target cluster node has experienced a storage failure.	EVS migration did not occur because its partner node has suffered a hardware or software failure in storage connectivity.	Investigate what caused the server to fail, or re-establish connectivity. Restart the failed node if it has not already rebooted. Contact your support provider if necessary.	1. Check whether any SIMs are output at the same time. Go to 2 if no SIM is output. Go to 3 if SIMs are output. 2. Collect the failure information and contact the Technical Support Division. 3. If the parts are already replaced, complete the maintenance. If not, take actions following instructions given in the TROUBLE-SHOOTING SECTION according to the contents of the corresponding SIMs.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
5192	E	SEVERE	The management network link used for heart beating has failed.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Heart beating over management network to Node ID %d lost.				
5194	E	SEVERE	The management network link used for heart beating is not connected.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Heart beating over management network to Node ID %d not established.				
5199	E	SEVERE	The software on the cluster node that is attempting to join the cluster should be upgraded to match the version in the rest of the cluster.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: Refused cluster join request from Node ID %d that is running software version %s.				
5484	U	SEVERE	Action is only required if this snapshot needs to retained for a continuing replication/back up.	Increase the snapshot retention period if this snapshot needs to be retained.	Contact the system administrator to report the contents of the recovery action.
	NDMP: Snapshot (%s on %s) automatically created by NDMP will be deleted in the next %s.				
5503	MA	SEVERE	The cluster node has experienced an Ethernet failure. Another cluster node will take over services affected by this failure.	Re-establish Ethernet connectivity to fix the failure.	See TROUBLESHOOTING SECTION "20.2.1 Isolating Data LAN Failure".
	Cluster: The cluster node has experienced an Ethernet failure.				
5504	E	SEVERE	The cluster node has experienced a file system failure. Another cluster node will take over services affected by this failure.	—	Collect the failure information and contact the Technical Support Division.
	Cluster: The cluster node has experienced a file system failure.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
5508	E	SEVERE	Registry file for EVS %d is corrupt.	This file contains a corrupt version of the registry.	—	Collect the failure information and contact the Technical Support Division.
5509	E	SEVERE	Failed to write registry file for EVS %d to Flash memory.	This registry file could not be written to Flash memory - check to see if Flash memory is full.	—	Collect the failure information and contact the Technical Support Division.
5510	E	SEVERE	Registry file for EVS %d contains unsupported registry version #%d. Current version is #%d.	The registry file contains a version of the registry that is not supported by the software running on this server.	—	Collect the failure information and contact the Technical Support Division.
5516	E	SEVERE	Number of registry entries nearing the maximum supported limit.	Number of registry entries are nearing the maximum supported limit.	—	Collect the failure information and contact the Technical Support Division.
5518	E	SEVERE	%s.	A failover has been delayed.	—	Collect the failure information and contact the Technical Support Division.
5519	E	SEVERE	%s.	The registry size is growing close to its maximum size.	—	Collect the failure information and contact the Technical Support Division.
5520	E	SEVERE	%s.	The registry size is at its limit.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
5522	U	SEVERE	Failed to update the block component configuration to match the file component following a registry restore.	With Storage Navigator, check the block component configuration for incorrect settings and update manually if necessary.	Contact the system administrator to report the contents of the recovery action.
	Failed to update the block %s settings. %s.				
5719	E	SEVERE	An NDMP operation failed to complete.	—	Collect the failure information and contact the Technical Support Division.
	“NDMP(%d): Illegal replication configuration: Same external target path (%s) on source and destination with NDMP_BLUEARC_EXTERNAL_LINKS not set to recreate_link.				
5817	E	SEVERE	Failed to log the summary of a disaster recovery task.	—	Collect the failure information and contact the Technical Support Division.
	Replication Recovery (Filesystem ‘%s’; EVS %d; Task %s): Failed to log summary.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
6570	U	SEVERE	%s.	Duplicate IP addresses should not be configured for two different EVSs that are connected to the same network.	Review your network.	Contact the system administrator to report the contents of the recovery action.
6701	U	SEVERE	The live file system usage exceeds %d%% for %s.	The file system has reached the severe level for space usage.	Delete some files before the file system becomes full.	Contact the system administrator to report the contents of the recovery action.
6704	U	SEVERE	Snapshots file system usage exceeds %d%% for %s.	Snapshots have reached the severe level for space usage.	Delete some snapshots before the file system becomes full.	Contact the system administrator to report the contents of the recovery action.
6707	U	SEVERE	Total file system usage exceeds %d%% for %s.	Total file system usage has reached the severe level for space usage.	Delete some files and/or snapshots before the file system becomes full.	Contact the system administrator to report the contents of the recovery action.
6713	E	SEVERE	File System: file system %s repair failed.	The attempt to repair the file system failed.	—	Collect the failure information and contact the Technical Support Division.
6715	U	SEVERE	File System: file system %s snapshot removal failed.	The attempt to remove all snapshots from the file system failed.	If kill-snapshots was interrupted, try running it again. If this does not succeed run fixfs. If necessary, contact your support provider.	Contact the system administrator to report the contents of the recovery action.
6719	U	SEVERE	File System: file system %s quota system file clearing failed.	The attempt to clear quota system files failed.	If kill-quotas was interrupted, try running it again. If this does not succeed run fixfs. If necessary, contact your support provider.	Contact the system administrator to report the contents of the recovery action.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
6722	U	SEVERE	File System: file system (%s) format failed. Reason: %s.	The attempt to format the file system failed. The reason is given in the event.	Ensure the appropriate value is corrected before re-formatting.	Contact the system administrator to report the contents of the recovery action.
6760	E	SEVERE	File System: file system (%s) has failed.	A file system has failed and will be made unavailable to clients. The file system label is indicated in parentheses.	—	Collect the failure information and contact the Technical Support Division.
6761	E	SEVERE	File System: file system (%s) has invalid superblocks. Reason: %s.	The file system's Super Blocks have become corrupt.	—	Collect the failure information and contact the Technical Support Division.
6764	E	SEVERE	File System: Rollback of file system (%s) failed.	The attempt to rollback the file system failed.	—	Collect the failure information and contact the Technical Support Division.
6767	E	SEVERE	File System: file system (%s) is healthy but has failed more than %d times in %d seconds.	The file system has failed with a frequency that requires investigation. Operator action is required to bring it back on line.	—	Collect the failure information and contact the Technical Support Division.
6771	U	SEVERE	File System: The expansion of the file system (%s) has failed.	The attempt to automatically expand the file system has failed.	Correct the reason for the file system failure, and then use the CLI command "expandfs" to re-try the operation.	Contact the system administrator to report the contents of the recovery action.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
6774	E	SEVERE	File System: The last attempt to write a consistency point to file system (%s) has failed.	The file system identified by the label in parentheses has had a severe failure. It will automatically be rolled back to the last consistency point.	—	Collect the failure information and contact the Technical Support Division.
6775	E	SEVERE	File System: The last operation to file system (%s) indicated a severe file system failure.	The file system identified by the label in parentheses has had a severe failure. It will automatically be rolled back to the last consistency point.	—	Collect the failure information and contact the Technical Support Division.
6778	E	SEVERE	File System: Replay of preserved NVRAM log for file system (%s) failed.	The attempt to replay the preserved NVRAM log for the file system has failed.	—	Collect the failure information and contact the Technical Support Division.
6781	E	SEVERE	%s.	Unexpected configuration was found on disk which may indicate corruption.	—	Collect the failure information and contact the Technical Support Division.
6784	E	SEVERE	File System: Replay of preserved NVRAM log for file system (%s) impossible: %s.	Replay of the preserved NVRAM log for the file system is impossible.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
6785	E	SEVERE	File System: file system (%s). Inconsistent data returned via the fast path.	When reading the static superblock, data returned via the fast path differed from that via the slow path.	—	Collect the failure information and contact the Technical Support Division.
6792	U	SEVERE	File System: file system (%s). Removing target: %s.	The indicated file or directory has been removed possibly as a result of a file system fix which found it to be corrupt.	You may wish to restore the file from a recent backup.	Contact the system administrator to report the contents of the recovery action.
6802	E	SEVERE	FileSystem: An ECC error was detected while checking the NVRAM during system startup.	The contents of NVRAM have been discarded due to an ECC error. This may result in some data loss. All file systems will be returned to their last consistency point.	—	Collect the failure information and contact the Technical Support Division.
6810	E	SEVERE	FileSystem: An address parity error was detected while checking the NVRAM during system startup.	The contents of NVRAM have been discarded due to an ECC error. This may result in some data loss. All file systems will be returned to their last consistency point.	—	Collect the failure information and contact the Technical Support Division.
6820	E	SEVERE	File System Recovery: A root onode of object %llu on file system (%d) has an unexpected checkpoint number (expected %llu).	Root onode checkpoint number does not match that of the DSB in WRITTEN_OBJ_LIST state.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
6825	U	SEVERE	File System: The NVRAM log for file system (%s) was not preserved on this cluster node.	The recovery of the file system identified by the label in parentheses has failed. The file system is in a consistent state but may not contain the most recent updates as its NVRAM was unavailable when recovery was attempted.	If the NVRAM exists in the mirrored region the mount attempt will be retried where the NVRAM is preserved. Migrating the file system to the other cluster node may resolve the problem. Alternatively the file system may be mounted on this cluster node by using the CLI “mount” command and specifying the --force option.	Contact the system administrator to report the contents of the recovery action.
6833	E	SEVERE	File System: Mirroring of NVRAM to partner server is suspended because %s.	File system operations logged in NVRAM are not being mirrored.	—	Collect the failure information and contact the Technical Support Division.
6838	E	SEVERE	File System: The NVRAM log for file system (%s) in the master region has been found to be corrupt for reason: %s.	The recovery of the file system identified by the label in parentheses has failed. The file system is in a consistent state but may not contain the most recent updates.	—	Collect the failure information and contact the Technical Support Division.
6839	E	SEVERE	File System: The NVRAM log for file system (%s) in the mirror region has been found to be corrupt for reason: %s.	The recovery of the file system identified by the label in parentheses has failed. The file system is in a consistent state but may not contain the most recent updates.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
6843	E	SEVERE	File System: The NVRAM log for file system (%s) is at a checkpoint (%llu) which is more recent than the filesystem (%llu).	The recovery of the file system identified by the label in parentheses has failed. The file system is potentially not in a consistent state and further action may be required.	—	Collect the failure information and contact the Technical Support Division.
6845	E	SEVERE	FileSystem: An ECC error was corrected while checking the NVRAM during system startup.	The contents of NVRAM have been discarded due to an ECC error. This may result in some data loss. All file systems will be returned to their last consistency point.	—	Collect the failure information and contact the Technical Support Division.
6846	E	SEVERE	File System: file system (%s) will not be recovered automatically. The NVRAM contains operations logged in a format incompatible with the current firmware version.	The operations stored in the NVRAM for the file system indicated can not be replayed. The file system will remain unmountable.	—	Collect the failure information and contact the Technical Support Division.
6885	U	SEVERE	%s.	A unrecoverable bad block has been encountered when a client tried to read a file. The IO error will have been returned to the client.	Remove the file containing the bad block.	Contact the system administrator to report the contents of the recovery action.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
6900	E	SEVERE	The file system size is recorded in multiple areas, and one or more of these is inconsistent.	—	Collect the failure information and contact the Technical Support Division.
	File System: The file system (%s) size is reported inconsistently by the file system meta data structures.				
6904	U	SEVERE	The number of open files has reached the maximum and new files cannot be opened.	Close some files to allow new files to be opened.	Contact the system administrator to report the contents of the recovery action.
	%s.				
6907	E	SEVERE	This can indicate a hardware problem - consider keeping the file system offline and examining the storage for errors.	—	Collect the failure information and contact the Technical Support Division.
	File System: file system (%s) has been taken offline after too many inconsistencies were found on disk.				
6912	E	SEVERE	The server may be running unreasonably slowly or it may be deadlocked.	—	Collect the failure information and contact the Technical Support Division.
	File System: A shared file system lock has been hogged for an excessive time by %s.				
6913	E	SEVERE	The server may be running unreasonably slowly or it may be deadlocked.	—	Collect the failure information and contact the Technical Support Division.
	File System: An exclusive file system lock has been hogged for an excessive time by %s.				
6931	E	SEVERE	A file system inconsistency has been detected.	—	Collect the failure information and contact the Technical Support Division.
	%s.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7108	E	SEVERE	Quota config load aborted: Not enough heap pool resources to load the remaining %s.	Insufficient free space in the long-term heap pool type mentioned in the error message to load all entries from the quota config file.	—	Collect the failure information and contact the Technical Support Division.
7118	E	SEVERE	The quota space constraint config on file system %s is corrupt.	All quotas have been erased.	—	Collect the failure information and contact the Technical Support Division.
7166	U	SEVERE	The snapshots on file system %s could not be loaded.	When the file system was mounted the existing snapshots could not be validated. Snapshots are disabled on this file system until the file system is fixed.	Run kill-snapshots or fixfs - note that either will delete any existing snapshots on the file system.	Contact the system administrator to report the contents of the recovery action.
7168	E	SEVERE	Deletion of snapshot (%s) encountered an invalid snapshot blocks list and has been truncated.	The deletion of a snapshot completed with errors. Space may have been leaked on this file system.	—	Collect the failure information and contact the Technical Support Division.
7176	E	SEVERE	Deletion of snapshot (%s) encountered file system inconsistency and has been aborted.	The deletion of a snapshot could not be completed. Snapshot deletion is now suspended on this file system.	—	Collect the failure information and contact the Technical Support Division.
7184	E	SEVERE	Recovery of file system “%s” from snapshot “%s” failed, reason “%s”.	An attempt to recover a file system from a snapshot failed.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7200	U	SEVERE	This server is using more system drives or more disk space than the license allows.	This server is licensed to use a certain amount of disk capacity and a certain number of SDs. The terms of that license are now exceeded.	Check whether an SD has expanded since it was licensed. Check the sd_license_limit and sd_license_boost telcs. Consider buying a further storage license.	Contact the system administrator to report the contents of the recovery action.
7204	U	SEVERE	%s has experienced %s failure (offset 0x%llX).	An I/O error has prevented the server from reading from or writing to the system drive. Retries have not helped. Depending on where the error occurred, the server may have to fail the span and briefly unmount all the file systems it contains. If so, a further event will be logged, shortly after this one.	Rectify the storage fault.	Contact the system administrator to report the contents of the recovery action.
7207	U	SEVERE	Discarding a duplicate device from the ID Manager database: device %u, WWN %llX, Luid '%s'.	When the server loaded devices (system drives, tape hardware and filesystems) from the registry at boot time, it found two or more devices with the same device ID, world wide name or Luid. Those devices have been ignored and will be deleted from the registry.	You may need to reconfigure some of the devices that were discarded: for example, license SDs, set up superflush, or assign backup hardware to an EVS. If this is a cluster, we recommend that each server be rebooted in order to ensure that all servers are using the same, fixed version of the registry. They can be rebooted sequentially; they need not all be rebooted at the same time.	Contact the system administrator to report the contents of the recovery action.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7250	E	SEVERE	Encroachment is described in the 'encroachment' man page. The server has found damaged encroachment data on the SD, suggesting that either a foreign server has written to the system drive or a storage problem has arisen. This span's file systems would be taken offline if an administrator had not run 'span-ignore-corruption'.	—	Collect the failure information and contact the Technical Support Division.
	The encroachment area on %s is compromised. 'span-heed-corruption' would take filesystems offline.				
7261	U	SEVERE	'sd-recover-from-changed-luids --span-base-name' has been run, but, as protection against partial failovers, one of the prerequisites of that command is that all the SDs in the span be assigned to sites.	Consult the 'site' man page. Then use 'sd-set --site' to assign the SDs in each copy of the span to a different, non-zero site, and finally re-run 'sd-recover-from-changed-luids --span-base-name'.	Contact the system administrator to report the contents of the recovery action.
	The span Cod with base name '%s' and ID %016llX on SD %u has been ignored because the SD has not been assigned to a site.				
7262	U	SEVERE	'sd-recover-from-changed-luids --span-base-name' has been run, but, as protection against partial failovers, one of the prerequisites of that command is that the SDs in each copy of the data be assigned to a different site. Here, SD whose Cod has been ignored is at the same site as the span specified on the command line.	Consult the 'site' man page. Then use 'sd-set --site' to assign the SDs in each copy of the span to a different, non-zero site, and finally re-run 'sd-recover-from-changed-luids --span-base-name'.	Contact the system administrator to report the contents of the recovery action.
	The span Cod with base name '%s' and ID %016llX on SD %u has been ignored because the SD has been assigned to site %u.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7268	E	SEVERE	Each filesystem known to the server needs a device ID, which is between 1024 and 1151. There are too few free device IDs to load the filesystems on the specified span. The span has been loaded; the filesystems have not.	—	Collect the failure information and contact the Technical Support Division.
	Can't read filesystems for span '%s' (ID %llX): too few filesystem device IDs are available.				
7292	E	SEVERE	Encroachment data is explained in the 'encroachment' man page. The server has found damage here, suggesting that either a foreign server has written to the system drive or a storage problem has arisen. All this span's file systems will be unmounted until the encroachment is fixed and any damage addressed.	—	Collect the failure information and contact the Technical Support Division.
	The encroachment area on %s is compromised. The span's file systems will be forcibly unmounted, even if they are online.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7313	U	SEVERE	No virus scan engines are available on EVS %s (ID=%d).	Virus scanning is enabled but there are no virus scan engines registered with the server. Access will be denied to all file types that require virus scanning.	Register a virus scan server or disable virus scanning.	Contact the system administrator to report the contents of the recovery action.
7345	E	SEVERE	%s.	No file exists for the given LUN.	—	Collect the failure information and contact the Technical Support Division.
7346	E	SEVERE	%s.	Failed to set the length of a LUN.	—	Collect the failure information and contact the Technical Support Division.
7347	E	SEVERE	%s.	Failed to open LUN.	—	Collect the failure information and contact the Technical Support Division.
7348	E	SEVERE	%s.	Failed to invalidate persistent reservation file.	—	Collect the failure information and contact the Technical Support Division.
7352	U	SEVERE	There are %d Exports which exceeds the supported limit of %d.	All exports have been loaded but performance may be impaired and no new exports can be created.	Delete sufficient exports such that the supported limit is no longer exceeded.	Contact the system administrator to report the contents of the recovery action.
7362	E	SEVERE	%s.	The NFS character set in the registry is unsupported.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7429	E	SEVERE	Each filesystem has a unique permanent ID. In this span's filesystem catalogue (the list of filesystems on the span), two filesystems have the same permanent ID.	—	Collect the failure information and contact the Technical Support Division.
	Can't load the filesystems for span %s (ID %llX): filesystem %s has the same ID, %llX, as another filesystem in the same Cod.				
7444	E	SEVERE	The Cod that the server is trying to load is corrupt. No two filesystems on a single span should have the same base name.	—	Collect the failure information and contact the Technical Support Division.
	Can't load filesystems for span %s (ID %llX): multiple filesystems have the same base name, '%s'.				
7445	E	SEVERE	This condition can occur (a) if you restore a stale Cod backup that was made before a file system was manually or automatically expanded, (b) if you transfer a span between clusters without using the procedure in the 'span-assign-to-cluster' man page, or (c) if two clusters both have write access to the same copy of the span and both their cluster UUIDs are in the Cod. Too few chunks are allocated to the file system, and it can't be mounted.	—	Collect the failure information and contact the Technical Support Division.
	Filesystem '%s' (ID %llX) on span '%s' (ID %llX) is undersized and won't be mounted. Cod says capacity is %llu; SSB says %llu.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7460	U	SEVERE	Virus scan engine %s (%s) is not responding%s.	The virus scan engine is no longer responding to virus scan requests.	Check the virus scan engine. If symptoms persist you should consider adding additional virus scan engines to address the load.	Contact the system administrator to report the contents of the recovery action.
7472	E	SEVERE	Can't load filesystems from span %s (ID %llX): filesystem %s (ID %llX) has the same name as a loaded span or filesystem.	All span and filesystem instance names must be unique. If a name is duplicated, the server can load only one span or filesystem with the affected name. Others cannot be loaded until the naming conflict is resolved. Uniqueness rules are explained in the 'storage-based-snapshot-label' man page.	—	Collect the failure information and contact the Technical Support Division.
7473	E	SEVERE	Can't load filesystems from span %s (ID %llX): filesystem %s (ID %llX) has the same instance name as a different filesystem known to ID Manager.	All span and filesystem instance names must be unique. The registry already knows of a different filesystem with the same name as the one mentioned in this event.	—	Collect the failure information and contact the Technical Support Division.
7508	E	SEVERE	%s.	Failed to connect to a virus scan server.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7613	E	SEVERE	Span ‘%s’ (ID %llX) has gone offline because %s has become a mirrored primary.	There are now two SDs that both claim to be the primary partner in the same mirror. Either the primary and secondary SDs are exchanging roles, or the mirror has broken. All the file systems on this span will now be unmounted. Other spans will stay online unless they too suffer storage failures.	—	Collect the failure information and contact the Technical Support Division.
7614	E	SEVERE	Span ‘%s’ (ID %llX) has gone offline because %s has become a mirrored secondary.	Two SDs both claim to be the secondary partner in the same mirror; or an unmirrored SD unexpectedly became a mirrored secondary. The primary and secondary SDs are exchanging roles, or the mirror has broken, or an unmirrored SD has been made a secondary of another SD (in which case data may be lost). All file systems on this span will be unmounted.	—	Collect the failure information and contact the Technical Support Division.
7615	E	SEVERE	Span ‘%s’ (ID %llX) has gone offline because %s has become unlicensed.	Access to the system drive (SD) has been denied. The span has been forced offline. All file systems on this span will be unmounted.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7676	E	SEVERE	Cod is explained in the 'cod' man page. A Luid is a string that identifies an SD. Each SD's Cod contains a Cod Luid -- a copy of the SD's own Luid; the server uses it to check that it is reading Cod from the right SD. A mirrored SD has two Cod Luids, because Cod can be read from either of two SDs. At least one of the Cod Luids on the primary SD is wrong. SD failover would probably be impossible.	—	Collect the failure information and contact the Technical Support Division.
	%s (mirrored to system drive %s; used in span '%s', ID %llX) has a wrong Cod Luid.				
7680	E	SEVERE	Every system drive (SD) has a Luid, or serial number, by which the server identifies it. The SCSI standard dictates that the serial number of an SD must never change. The server has detected that this SD's Luid has, in fact, changed. The server cannot load the span of which this SD is a part.	—	Collect the failure information and contact the Technical Support Division.
	The Luid (serial number) on %s has changed. The span that uses this SD cannot be loaded.				
7681	E	SEVERE	Cod is explained in the 'cod' man page. The Cod discovered on the available SDs is invalid, and so the span cannot be loaded.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: Cod is corrupt.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7682	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: it uses space already used by another span.	The server found two system drives (SDs) containing Cod for different that use the same SD. To protect existing data, it has loaded only the first span. It's possible that (a) a previous span was not deleted cleanly, or (b) an I/O failure prevented Cod from being deleted from some SDs when the span was deleted, or (c) some of the SDs in the span lost their Cod, possibly by being reinitialized, and were then reused in a new span.	—	Collect the failure information and contact the Technical Support Division.
7683	E	SEVERE	Cannot load span configuration %llX (instance name '%s', permanent ID %llX) from %s: it uses space beyond the end of an SD.	The server found Cod that requires more space on a system drive (SD) than the current capacity of the SD. The span configuration has been corrupted, or copied from another, larger SD, or restored from a single-SD backup taken from the wrong SD; or the Cod has been manually edited to use an SD that is too small. The span has not been loaded.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7684	E	SEVERE	Span Cod specifies the capacity that the SD had when the Cod was written. This SD's Cod claims that the SD is larger than it actually is. The span configuration has been (a) corrupted, or (b) copied from another, larger SD, or (c) restored from a single-SD backup taken from the wrong SD; or the span Cod has been manually edited to use an SD that is too small; or the SD has been shrunk. The span has not been loaded.	—	Collect the failure information and contact the Technical Support Division.
	Cannot load span configuration %llX (instance name '%s', permanent ID %llX) from %s: the capacity stored in the Cod exceeds the SD's actual capacity.				
7685	E	SEVERE	Span Cod is explained in the 'cod' man page. This SD contains span Cod for a span that does not use the SD in question. The Cod was probably copied from another SD. The span will not be loaded unless Cod is found on the SDs that are used in the span.	—	Collect the failure information and contact the Technical Support Division.
	Not reading span configuration %llX (instance name '%s', permanent ID %llX) from unrelated %s.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7686	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: its permanent ID clashes with that of another span.	Every span has a 64-bit permanent ID, which is assigned by the server when the span is created and which never changes. Possible causes: (a) two unrelated spans have the same permanent ID -- extremely unlikely; (b) there was an I/O failure at some point in the past while Cod was being written to disk, and some system drives have stale Cod; (c) a mistake was made while Cod was being edited manually.	—	Collect the failure information and contact the Technical Support Division.
7687	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: the span name is not unique.	The server cannot load two spans with the same name or, more generally, any span whose name breaks the uniqueness rules given in the 'storage-based-snapshot-label' man page.	—	Collect the failure information and contact the Technical Support Division.
7688	E	SEVERE	Cannot read filesystems for span '%s' (permanent ID %llX) from %s: Cod is corrupt.	On each of the system drives (SDs) that make up a span, the server stores a list of the filesystems in the span. (See the 'cod' man page.) This list is corrupt. The span's filesystems can't be loaded.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7689	E	SEVERE	Every span and filesystem has a unique permanent ID. (This is not the same as a filesystem device ID, which is a number close to 1024. The device ID is stored in the registry, not in Cod.) No two filesystems, and no span and filesystem, can be loaded simultaneously if they have the same permanent ID.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read filesystems for span ‘%s’ (ID %llX): filesystem ‘%s’ (ID %llX) has the same permanent ID as a span or filesystem that has already loaded.				
7690	E	SEVERE	On each of the system drives (SDs) that make up a span, the server stores a list of the filesystems in the span. (See the ‘cod’ man page.) Two SDs disagree about the list of filesystems. It is possible that an earlier I/O error prevented the latest filesystem catalogue from being written to one of the SDs. The filesystems cannot be loaded.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read filesystems for span ‘%s’ (ID %llX): filesystem catalogues differ between %s and %s.				
7692	E	SEVERE	Every span contains a ‘chunk table’, which describes how the space on the span is allocated to the filesystems on the span. (See the ‘cod’ man page.) The chunk table on this span was missing or damaged.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read chunk table for span ‘%s’ (ID %llX) from %s: it is missing or damaged.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7693	E	SEVERE	Every span contains a 'chunk table', which describes how the space on the span is allocated to the filesystems on the span. (See the 'cod' man page.) It should be identical on every system drive (SD) in the span, but a discrepancy was found. It is possible that an earlier I/O error prevented the latest version being written to one or more SDs.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read chunk table for span '%s' (ID %llX): tables differ between %s and %s.				
7718	E	SEVERE	Encroachment is explained in the 'encroachment' man page. The server has found corruption here, suggesting that either a foreign server has corrupted the system drive or a storage problem has arisen. This span's file systems will be forcibly unmounted.	—	Collect the failure information and contact the Technical Support Division.
	The encroachment area on %s is compromised. The span's file systems can't be mounted, even if they are online.				

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7723	E	SEVERE	When it starts up, the server loads spans from a structure called 'Cod', which is described in the 'cod' man page. A schema (or version) number embedded in the Cod tells the server how to interpret the Cod. The schema number on this SD was too high, suggesting that the span was created or most recently updated on a later version of software than the server is now running. The span and its file systems can't be loaded or mounted.	—	Collect the failure information and contact the Technical Support Division.
	%s has span Cod that uses schema %u. The latest schema this system can read is schema %u.				
7724	E	SEVERE	When it starts up, the server loads spans from a structure called 'Cod', which is described in the 'cod' man page. A schema (or version) number embedded in the Cod tells the server how to interpret the Cod. The schema number on this SD was too low, suggesting that the span was created on a very old version of the operating system. The span cannot be loaded; its file systems can't be mounted.	—	Collect the failure information and contact the Technical Support Division.
	%s has span Cod that uses schema %u. The earliest schema this system can read is schema %u.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7725	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: Cod differs between system drives.	Cod is explained in the 'cod' man page. Two or more SDs have different span Cod for the span mentioned, or one SD that should be in the span has no Cod for it. An earlier I/O error may have prevented the server from updating one or more SDs' Cod.	—	Collect the failure information and contact the Technical Support Division.
7727	E	SEVERE	Cannot update the description of filesystem '%s' (ID %llX) on span '%s' (ID %llX) during formatting or 'filesystem-update-description': %s.	The filesystem catalogue (explained in the 'cod' man page) stores essential details of each file system: Worm flag, WFS version number, DSB count, and cluster ('block') size. The server failed to write these details to disk. It may now be possible to delete a Worm filesystem (or impossible to delete a non-Worm filesystem), and filesystem recovery in general will be more difficult.	—	Collect the failure information and contact the Technical Support Division.
7730	E	SEVERE	Cannot read filesystems for span '%s' (permanent ID %llX) from %s: no filesystem-catalogue signature found.	On each of the system drives (SDs) that make up a span, the server stores a list of the filesystems in the span. On this SD, the filesystem catalogue (described in the 'cod' man page) has been replaced by junk. The filesystems cannot be loaded.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7731	E	SEVERE	Cannot read filesystems for span ‘%s’ (permanent ID %llX) from %s: schema %u found; oldest supported is %u.	On each of the system drives (SDs) that make up a span, the server stores a list of the filesystems in the span. On this span, the filesystem catalogue (described in the ‘cod’ man page) is stored in a format too old for this operating system release to load.	—	Collect the failure information and contact the Technical Support Division.
7732	E	SEVERE	Cannot read filesystems for span ‘%s’ (permanent ID %llX) from %s: schema %u found; newest supported is %u.	On each of the system drives (SDs) that make up a span, the server stores a list of the filesystems in the span. On this span, the filesystem catalogue (described in the ‘cod’ man page) is stored in a format too recent for this operating system release to understand.	—	Collect the failure information and contact the Technical Support Division.
7733	E	SEVERE	Cannot read chunk table for span ‘%s’ (ID %llX) from %s: no signature found.	Every span contains a ‘chunk table’, described in the ‘cod’ man page, which describes how the space on the span is allocated to the filesystems on the span. This SD’s chunk table has been replaced by junk.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7734	E	SEVERE	Cannot read chunk table for span ‘%s’ (ID %llX) from %s: schema %u found; newest supported is %u.	Every span contains a ‘chunk table’, described in the ‘cod’ man page, which describes how the space on the span is allocated to the filesystems on the span. This SD’s chunk table is stored in a format that’s too recent for this operating system release to load.	—	Collect the failure information and contact the Technical Support Division.
7735	E	SEVERE	Cannot read filesystems for span ‘%s’ (ID %llX): cannot read from %s: %s.	On each of the system drives (SDs) that make up a span, the server stores the ‘filesystem catalogue’, which is described in the ‘cod’ man page and contains a list of the filesystems in the span. The server was unable to read from one SD. The filesystems cannot be loaded.	—	Collect the failure information and contact the Technical Support Division.
7736	E	SEVERE	Cannot read chunk table for span ‘%s’ (ID %llX): cannot read from %s: %s.	Every spanned system drive (SD) contains a ‘chunk table’, which is explained in the ‘cod’ man page and describes how the span’s space is allocated to its filesystems. An I/O error prevented the server from reading the chunk table from this SD.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7737	E	SEVERE	An I/O error prevented the server from writing to the span Cod on %s. Span '%s' (ID %llX) may no longer be loadable. %s.	Span Cod is explained in the 'cod' man page. In a healthy span, all system drives (SDs) have the same Cod. If span Cod differs between SDs, the server will refuse to load the span next time you reboot or run 'sd-rescan-cod'.	—	Collect the failure information and contact the Technical Support Division.
7738	E	SEVERE	An I/O error prevented the server from writing to the filesystem catalogue on %1s. Filesystems on span '%1s' (ID %1llX) may no longer be loadable. %1s.	The filesystem catalogue, which is explained in the 'cod' man page, is an on-disk structure that specifies the names and IDs of the filesystems on a span. In a healthy span, all system drives (SDs) have the same filesystem catalogue. If it differs between SDs, the server will refuse to load the filesystems on the span next time you reboot or run 'sd-rescan-cod'.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
7739	E	SEVERE	The chunk table, which is described in the 'cod' man page, is an on-disk structure that specifies how space is allocated to the filesystems on the span. In a healthy span, all system drives (SDs) have the same chunk table. If it differs between SDs, the server will not know how space is allocated to each filesystem, and will refuse to mount the file systems on the span next time you reboot or run 'sd-rescan-cod'.	—	Collect the failure information and contact the Technical Support Division.
	An I/O error prevented the server from writing to the chunk table on %1s. File systems on span '%1s' (ID %llX) may no longer be mountable. %1s.				
7741	E	SEVERE	Encroachment is described in the 'encroachment' man page. An I/O error prevented the server from writing this fixed pattern to the system drive. In the absence of valid encroachment data, the server will refuse to mount any file systems on this span in future.	—	Collect the failure information and contact the Technical Support Division.
	Failed to write encroachment data to %s (used in span '%s', ID %llX): %s.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7742	E	SEVERE	An I/O error on %s prevented span Cod from being read. %s.	Span Cod is described in the 'cod' man page. It is the structure from which the server loads spans at boot time. This system drive (SD) experienced an I/O error that made it impossible to read span Cod, if there is any. Any span or file system that includes this system drive cannot be loaded.	—	Collect the failure information and contact the Technical Support Division.
7743	E	SEVERE	Failed to wipe the Cod signature on %s while deleting span '%s' (ID %llX): %s. You may see unloadable-span errors later.	When the server creates a span, it writes to each SD in the span a structure called 'span Cod', which is described in the 'cod' man page. When you delete a span, it wipes the signature on the Cod. This wiping failed; inconsistent Cod may have been left on the SDs. You may not be able to use them in a new span.	—	Collect the failure information and contact the Technical Support Division.
7744	E	SEVERE	Failed to read encroachment data from %s: %s.	Encroachment is described in the 'encroachment' man page. An I/O error prevented the server from reading this SD's encroachment area.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7747	E	SEVERE	Cannot read Cod from %s: I/O failure: %s.	Cod is described in the 'cod' man page. The server tried to read Cod from the SD, but could not. However, this failure occurred during a management operation such as dumping or backing up the Cod; it has not prevented the server from loading spans and filesystems (though a previous failure may have done so).	—	Collect the failure information and contact the Technical Support Division.
7748	E	SEVERE	Cannot read Cod from %s: I/O failure: %s.	Cod is described in the 'cod' man page. The server tried to update the Cod on the SD, but could not.	—	Collect the failure information and contact the Technical Support Division.
7767	E	SEVERE	Span '%s' (ID %llX) has gone offline because %s has failed or become unlicensed.	Storage failure or the 'span-deny-access' command has caused the span to fail. All the file systems on this span will now be unmounted. Other spans will stay online unless their SDs also fail or you unlicense (deny access to) them.	—	Collect the failure information and contact the Technical Support Division.
7768	E	SEVERE	Span '%s' (ID %llX) will be failed and possibly revived as a result of the I/O error on %s.	The recent I/O error will force the server to unmount the file systems on the span. If, after that, the span looks healthy, the file systems will be made available for mounting, and the server may automatically remount them.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
7789	E	SEVERE	Cannot reset SDs in an attempt to open span ‘%s’ (ID %llX). The span has failed.	When the first file system on a span is opened (in order to be mounted, formatted, checked, fixed, etc.), the server resets the state of all the system drives (SDs) in the span to prepare them for I/O. In this case, at least one SD could not be reset. The server cannot do I/O to this span.	—	Collect the failure information and contact the Technical Support Division.
7795	E	SEVERE	The site IDs for the primary SDs in span ‘%s’ (ID %llX) differ. The span’s file systems can’t be mounted.	SD sites are explained in the ‘site’ man page. The licensed primary SDs in the span do not all have the same site ID. The span’s file systems will not be mounted.	—	Collect the failure information and contact the Technical Support Division.
7853	E	SEVERE	Cannot read span configuration %llX (instance name ‘%s’, permanent ID %llX) from %s: a different cluster node is running software incompatible with this Cod.	During a rolling upgrade or downgrade, the servers in your cluster will be running two different software versions. Although the cluster node that encountered the Cod is capable of loading it, it detected that a different cluster node is running a different firmware version that is not compatible with this Cod.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
8310	E	SEVERE	No span can contain a mixture of tiered and untiered SDs, and all the SDs in each stripeset must be in the same tier. File systems cannot be created, mounted, checked or fixed.	—	Collect the failure information and contact the Technical Support Division.
	The system drive tiers on span ‘%s’ (ID %llX) are not coherent.				
8316	E	SEVERE	When you use storage-based snapshots, all the snapshots reside in a snapshot group. Each snap is loaded separately, but the snapshot groups in the Cod must all agree about which snapshots are present, their names and their permanent IDs. In this case, Cod being loaded disagreed with Cod that had already been loaded. The new snapshot can’t be loaded.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read span configuration %llX (instance name ‘%s’, permanent ID %llX) from %s: snap group disagrees with one that is already loaded.				
8319	E	SEVERE	Filesystems on this span are unable to expand into this tier. Performance may drop and then write operations will fail. Data may also be written to the wrong tier, causing permanent performance degradation.	—	Collect the failure information and contact the Technical Support Division.
	Filesystem %s expansion failed because tier %u is now full and is unable to expand.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
8459	E	SEVERE	[%s] The database on SMU %s stopped running and could not be restarted. Or connectivity to the database could not be established.	The SMU database stopped running and could not be restarted. Or connectivity to the database could not be established.	—	Collect the failure information and contact the Technical Support Division.
8500	E	SEVERE	Span '%s' (ID %llX) cannot be loaded: too many spans are already loaded.	The server can load only a finite number of spans at once. Spans encountered after this limit has been reached cannot be loaded.	—	Collect the failure information and contact the Technical Support Division.
8510	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: it has different geometry from other snapshots in the same snap group.	All snapshots in a snapshot group must have the same geometry (the same number of stripesets and the same number of system drives in each stripeset as the corresponding stripesets in other snapshots). This Cod breaks that rule.	—	Collect the failure information and contact the Technical Support Division.
8520	E	SEVERE	Spanned primary SD%s %s %s unhealthy.	The system drives are unhealthy. They are used in one or more loaded spans, and their failure is probably causing loss of service.	—	Collect the failure information and contact the Technical Support Division.
8528	E	SEVERE	Spanned SD%s %s %s unlicensed (server denied access).	Unlicensing a span's primary SDs prevents the server from mounting its file systems or doing any I/O to the span.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
8531	E	SEVERE	Spanned SD%s %s %s invisible to the server.	This condition makes the span unhealthy and prevents the server from mounting its file systems.	—	Collect the failure information and contact the Technical Support Division.
8533	E	SEVERE	Filesystem%s %s %s gone down.	When a span becomes unhealthy, its filesystems also become unhealthy. Any file system I/O stops and file system are forcibly unmounted.	—	Collect the failure information and contact the Technical Support Division.
8535	E	SEVERE	Can't load the chunk table for span %s (ID %llX) from %s: an incompatible software version is in the cluster.	Because the chunks can't be loaded, the span's file systems can't be mounted.	—	Collect the failure information and contact the Technical Support Division.
8539	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: bad span or filesystem base name.	Every span and filesystem has a base name, which must obey certain rules, detailed in the 'storage-based-snapshot-label' man page. The base name found in the Cod does not obey these rules.	—	Collect the failure information and contact the Technical Support Division.
8540	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: snapshot number is too large.	The Cod on this system drive uses storage-based snapshots. Every snapshot has an ordinal number. Either a snapshot's ordinal number or the total number of snapshots was too large for this server and software release.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
8541	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: bad storage-based snapshot name.	The Cod on this system drive uses storage-based snapshots. Every snapshot has a snapshot name, which must obey certain rules, detailed in the 'storage-based-snapshot-label' man page. The snapshot name found in the Cod does not obey these rules.	—	Collect the failure information and contact the Technical Support Division.
8542	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: instance name is too long.	The server read the base name and instance name from Cod. It calculated an instance name, which turned out to be too long. These name types are explained in the 'storage-based-snapshot-label' man page.	—	Collect the failure information and contact the Technical Support Division.
8543	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: the chunk size is too small.	Every span has a guideline chunk size, which is explained in the 'chunk' man page. The Cod found on this system drive has a chunk size too small for this server and/or software release.	—	Collect the failure information and contact the Technical Support Division.
8544	E	SEVERE	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: the chunk size is too large.	Every span has a guideline chunk size, which is explained in the 'chunk' man page. The Cod found on this system drive has a chunk size too large for this server and/or software release.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
8545	E	SEVERE	When it starts up, the server loads spans from a structure called 'Cod', which is described in the 'cod' man page. The server is unable to read this system drive's span Cod for the reason given. The span cannot be loaded; its file systems can't be mounted.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read span Cod from %s: %s.				
8546	E	SEVERE	On each of the system drives (SDs) that make up a span, the server stores a list of the filesystems in the span. (See the 'cod' man page.) At least one of the filesystems in this list has an invalid base name. The span's filesystems can't be loaded, and file systems can't be mounted.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read filesystems for span '%s' (permanent ID %llX) from %s: invalid filesystem base name '%s'.				
8547	E	SEVERE	Every server model and software release imposes a maximum limit on the capacity of a span. This span is too large for the present server and/or software release.	—	Collect the failure information and contact the Technical Support Division.
	Cannot read span configuration %llX (instance name '%s', permanent ID %llX) from %s: the span is too big.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
8548	E	SEVERE	Cannot read the chunk table for span ‘%s’ (ID %llX) from %s: it is incompatible with the rest of the Cod.	Every system drive (SD) in a span contains Cod, which specifies the span and its filesystems. Cod is divided into three types, each in a separate location. See the ‘cod’ man page. On this SD, the chunk table can’t be loaded with the rest of the Cod on the same SD: for example, it may specify chunks for filesystems that don’t appear in the filesystem catalogue, or it may use more chunks than exist on the span.	—	Collect the failure information and contact the Technical Support Division.
8549	E	SEVERE	Cannot read the chunk table for span ‘%s’ (ID %llX) from %s: at least one filesystem is too large.	The chunk table specifies the chunks (regions of disk space) allocated to each filesystem on the span. One or more filesystems in the Cod are too large for this server platform and/or software release.	—	Collect the failure information and contact the Technical Support Division.
8550	E	SEVERE	Cannot read the chunk table for span ‘%s’ (ID %llX) from %s: at least one filesystem contains too many chunk runs.	The chunk table specifies the chunks (regions of disk space) allocated to each filesystem on the span. Consecutive chunks are collapsed into runs before being configured into VLSI. One or more filesystems in the Cod require too many chunk runs for this server platform and/or software release.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
8551	E	SEVERE	Cannot read the chunk table for span ‘%s’ (ID %llX) from %s: a chunk index number is too large.	The chunk table specifies the chunks (regions of disk space) allocated to each filesystem on the span. One or more filesystems in the chunk table require chunk numbers outside the permitted range for this server platform and/or software release.	—	Collect the failure information and contact the Technical Support Division.
8556	E	SEVERE	Cannot load the filesystem catalogue for span %s (ID %llX) from %s: the filesystem type is unrecognized.	The filesystem catalogue (described in the ‘cod’ man page) lists all the filesystems on a span. Filesystems have different types: for example, live filesystems have one type and deleted filesystems another. This filesystem catalogue included a filesystem of a type that the current software release does not recognize and cannot load.	—	Collect the failure information and contact the Technical Support Division.
8559	E	SEVERE	Can’t load the filesystem catalogue for span %s (ID %llX) from %s: an incompatible software version is in the cluster.	Because the filesystems can’t be loaded, this span’s file systems cannot be mounted.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
8560	E	SEVERE	Cannot load the filesystem catalogue for span %s (ID %llX) from %s: too many live (not-deleted) filesystems per span.	The filesystem catalogue (described in the 'cod' man page) lists all the filesystems on a span. This Cod contains more live (not-deleted) filesystems than the present software release supports on a single span. The span's file systems cannot be loaded or mounted on this release.	—	Collect the failure information and contact the Technical Support Division.
8561	E	SEVERE	Cannot load the filesystem catalogue for span %s (ID %llX) from %s: too many deleted filesystems per span.	The filesystem catalogue (described in the 'cod' man page) lists all the filesystems on a span. This Cod contains more deleted filesystems than the present software release supports on a single span. The span's file systems cannot be loaded, mounted or undeleted on this release.	—	Collect the failure information and contact the Technical Support Division.
8572	E	SEVERE	The server failed to write Cod to span '%s' (ID %016llX) after one or more unused chunks were unmapped: %s.	Some time ago, an administrator started a background process that returned unused chunks to the HDP pool on which the span resides (i.e. it unmapped them). This process updates the chunk table periodically (so that not too much work is lost if the process fails), and also when it terminates or is cancelled. The attempt to update Cod failed.	—	Collect the failure information and contact the Technical Support Division.

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ID	Type	Severity	Description	Recovery Action	Action by Maintenance Personnel
	Message				
8600	E	SEVERE	A boot request from another node was denied.	—	Collect the failure information and contact the Technical Support Division.
	The boot request from node %d was denied because the feature '%s' is not supported on that node.				

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ID	Type	Severity	Message	Description	Recovery Action	Action by Maintenance Personnel
9159	U	SEVERE	External migration overloaded, request ignored: %s.	The maximum number of unprocessed external migration requests has been exceeded.	Let outstanding migration requests complete before initiating any new ones.	Contact the system administrator to report the contents of the recovery action.
9213	E	SEVERE	Virtualization/ Migration: The background migration process has identified an issue with object %llu - ObjectLength > enode Length for ingested file '%s' (FS: '%s' / EVS: %d).	Possible data inconsistency. Background migration of this file will be skipped.	—	Collect the failure information and contact the Technical Support Division.
9222	E	SEVERE	Virtualization exceeds %s%% of the license allowance.	Universal NAS Virtual Capacity license usage.	—	Collect the failure information and contact the Technical Support Division.
9400	E	SEVERE	EVS Security does not have a valid license.	EVSs are configured with individual security but without a valid license.	—	Collect the failure information and contact the Technical Support Division.
9401	E	SEVERE	Multi-tenancy does not have a valid EVS Security license.	Multi-tenancy is enabled without there being a valid EVS security license	—	Collect the failure information and contact the Technical Support Division.
Other than above	E	—	—	—	—	Collect the failure information and contact the Technical Support Division.

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5. Action According to the Error Code

When the error codes given to the message ID are displayed, follow [Action] of the message ID or contact the Technical Support Division.