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Subject: Error Handling for SCSI Controllers

The following list of ASC and ASCQ values is proposed to accompany the SCC document under development by the SCC working group. This list has been reviewed by the working group and reflects the RAID model described in the SCC document.

A new column would be added to the ASC/ASCQ lists in the SCSI-3 Primary Commands (SPC) document. The ASC/ASCQ list has two forms, one in alphabetical order in the body of the document and one in numeric order in appendix B of the document, and both would be updated. The new column would be labelled "STORAGE ARRAY DEVICE". Entries in the column would use the letter "A" and would be for SCC class devices.

6Eh	00h	A	Command To Logical Unit Failed
5Eh	01h	A	Logical Unit Failure
5Eh	02h	A	Timeout On Logical Unit
67h	00h	A	Configuration Failure
67h	01h	A	Configuration Of Incapable Logical Units Failed
67h	02h	A	Add Logical Unit Failed
67h	03h	A	Modification Of Logical Unit Failed
67h	04h	A	Exchange Of Logical Unit Failed
67h	05h	A	Remove Of Logical Unit Failed
67h	06h	A	Attachment Of Logical Unit Failed
67h	07h	A	Creation Of Logical Unit Failed
68h	00h	A	Logical Unit Not Configured
69h	00h	A	Data Loss On Logical Unit
69h	01h	A	Multiple Logical Unit Failures
69h	02h	A	Parity/Data Mismatch
04h	05h	A	Logical Unit Not Ready, Rebuild In Progress
04h	06h	A	Logical Unit Not Ready, Recalculation In Progress
6Ah	00h	A	Informational, Refer To Log
6Bh	00h	A	State Change Has Occurred
6Bh	01h	A	Redundancy Level Got Better
6Bh	02h	A	Redundancy Level Got Worse
6Ch	00h	A	Rebuild Failure Occured
6Dh	00h	A	Recalculate Failure Occured