To: Membership of X3T10

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Subject: Editorial Corrections to SPC for SCC

While processing approved document X3T10/94-024R5, I discovered several areas where the relationship between the SPC and the SCC is not as good as it could be. Acting on the belief that all these problems are editorial in nature, I am correcting them in SPC revision 4. This document catalogs the areas being changed. I will accept comments or corrections to the material described herein. Such comments may not appear in the SPC until revision 5.

First, 94-024R5 incorrectly identified the ASC/ASCQ values in the following two cases:

5Eh 01h  LOGICAL UNIT FAILURE
5Eh 02h  TIMEOUT ON LOGICAL UNIT

Discussions with George Penokie have shown that the correct ASC in both cases is 3Eh (not 5Eh). This would put both of the approved new ASC/ASCQ values under:

3Eh 00h  LOGICAL UNIT HAS NOT SELF-CONFIGURED YET

Second, per the discussion at the November plenary meeting, George Penokie, Doug Hagerman and I have constructed the following list of existing ASC/ASCQs that should have an A in their controller (array) device column:

00h 00h  NO ADDITIONAL SENSE INFORMATION
00h 06h  I/O PROCESS TERMINATED
04h 00h  LOGICAL UNIT NOT READY, CAUSE NOT REPORTABLE
04h 01h  LOGICAL UNIT IS IN PROCESS OF BECOMING READY
04h 02h  LOGICAL UNIT NOT READY, INITIALIZING COMMAND REQUIRED
04h 03h  LOGICAL UNIT NOT READY, MANUAL INTERVENTION REQUIRED
05h 00h  LOGICAL UNIT DOES NOT RESPOND TO SELECTION
08h 00h  LOGICAL UNIT COMMUNICATION FAILURE
08h 01h  LOGICAL UNIT COMMUNICATION TIME-OUT
08h 02h  LOGICAL UNIT COMMUNICATION PARITY ERROR
0Ah 00h  ERROR LOG OVERFLOW
1Ah 00h  PARAMETER LIST LENGTH ERROR
1Bh 00h  SYNCHRONOUS DATA TRANSFER ERROR
20h 00h  INVALID COMMAND OPERATION CODE
24h 00h  INVALID FIELD IN CDB
25h 00h  LOGICAL UNIT NOT SUPPORTED
26h 00h  INVALID FIELD IN PARAMETER LIST
26h 01h  PARAMETER NOT SUPPORTED
26h 02h  PARAMETER VALUE INVALID
26h 03h  THRESHOLD PARAMETERS NOT SUPPORTED
28h 00h  NOT READY TO READY TRANSITION, MEDIUM MAY HAVE CHANGED
29h 00h  POWER ON, RESET, OR BUS DEVICE RESET OCCURRED
29h 01h  POWER ON OCCURRED
This list was constructed by listing all the commands that already apply to the D, T, W, R, and O device types and discarding the small number of ASC/ASCQ values that could not apply to array controllers.

Lastly, I have noticed that Peripheral Device Type table (table 21) does not include the array controller device type. I will be adding it as Peripheral Device Type value 0Ch. The text associated with it will be, "Array Controller (e.g. RAID array controller)".