ENDL
T E X A S

Date: 7 September 2004
To: T10 Technical Committee
From: Ralph O. Weber
Subject: SPC-3 Self-Test and I_T nexus loss

The effects of I_T nexus loss on SPC-3 self-test operations, both foreground and background, is not clearly specified.

The following changes are proposed to clarify the interactions:

5.5.3.1 Foreground mode

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An application client should reserve the logical unit before initiating a self-test in the foreground mode. An application client may terminate a self-test that is being performed in the foreground mode using commands (see clause 6) or task management functions (see SAM-3) (e.g., a PERSISTENT RESERVE OUT command with PREEMPT AND ABORT service action, an ABORT TASK task management function, a CLEAR TASK SET task management function). In addition, a foreground mode self-test shall be terminated by an I_T nexus loss (see SAM-3). If a SEND DIAGNOSTIC command that is performing a self-test in the foreground mode is terminated ~~by a command or task management function~~ (see SAM-3), then it shall abort the self-test and update the Self-Test Results log page (see 7.2.10).

5.5.3.2 Background mode

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An application client may terminate a self-test that is being performed in the background mode by issuing a SEND DIAGNOSTIC command with the SELF-TEST CODE field set to 100b (Abort background self-test function). A background mode self-test shall not be terminated by an I_T nexus loss (see SAM-3).

5.5.3.3 Features common to foreground and background self-test modes

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