

To: T10 Technical Committee
From: Rob Elliott, HP (elliott@hp.com)
Date: 2 May 2003
Subject: T10/03-184r1 SAM-3 Hard reset generates I_T nexus loss

Revision History

Revision 0 (2 May 2003) first revision

Revision 1 (7 May 2003) Incorporated feedback from May CAP WG.

Related Documents

sam3r06 - SCSI Architecture Model - 3 revision 6

Overview

In **6.1 SCSI events overview**, figures 31 and 32 shows that:

Power on -> hard reset -> I_T nexus loss, and logical unit reset(s) in targets

The text in **6.3 Conditions resulting from SCSI events** generally reiterates this:

6.3.1 Power on mentions that: When a SCSI device is powered on, it shall cause a hard reset.

6.3.2 Hard reset agrees with that: A hard reset is a response to a power on condition (see 6.3.1) or a **Transport Reset** event notification (see 6.4).

6.3.2 Hard reset mentions that: A SCSI target port's response to a hard reset condition shall include a logical unit reset condition...

6.3.3 Logical unit reset agrees with that: A logical unit reset is:... part of the response to a hard reset condition

6.3.4 I_T nexus loss mentions that: An I_T nexus loss event notification is delivered by a SCSI port in response to a hard reset or

However, **6.3.2 Hard reset** never mentions the "hard reset -> I_T nexus loss" connection.

Suggested Changes

6.3.2 Hard reset

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The hard reset condition applies to both SCSI initiator devices and SCSI target devices.

[Add:]

A SCSI port's response to a hard reset condition shall include an I_T nexus loss for every I_T nexus involving that SCSI port.

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