

Date: March 06, 2003

To: T10 Committee (SCSI)

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Subject: SAS: SPC: Media Access Commands During SCSI Power Conditions

Overview

There are no rules on what to do with media access commands during SCSI power conditions before the device is spun up. This needs to be fixed.

Fixes

The power control proposal that will be going into SBC contains some information on what to do in the Stopped state but gives no guidance as to the specific actions that should be taken. Currently the proposal only states:

- a) the device server is not capable of processing media access commands;

There is no wording at all in SAS rev 3d as to what to do with a media access command received while in the Active_Wait state.

To fix this SAS rev 3 should add into the Active_Wait description:

The device server is not capable of processing media access commands. Any media access commands received while in this state shall cause the device server to terminate the command with a CHECK CONDITION status with a sense key of NOT READY and an additional sense code as LOGICAL UNIT NOT READY, INITIALIZING CMD REQUIRED.

To fix SBC add in:

Any media access commands received while in this state shall cause the device server to terminate the command with a CHECK CONDITION status with a sense key of NOT READY and an additional sense code as LOGICAL UNIT NOT READY, INITIALIZING CMD REQUIRED.