

To: T10 Technical Committee
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Date: October 23, 2002
Subject: T10/02-439r0, SAS SMP Phy Control Extensions

Revision History

Revision 0 (October 18, 2002) first revision

Related Documents

SAS-r02a – Serial Attached SCSI revision 02a.

Overview

This proposal adds specific controls to allow an initiator greater control over the OOB initialization of an expander port known to be connected to a SATA target to mitigate potential incompatibilities between the SATA device and the SAS OOB signalling.

Suggested Changes

Modify table 114 – Phy operation, to add the following operations:

| Code | Function | Description |
|-------------|----------------------|--|
| 08h | BYPASS COMSAS | Until next power-cycle, bypass generation of the COMSAS during any link reset or HARD_RESET sequence. Once COMINIT is both sent and received, proceed directly to the SP19:SATA_COMWAKE state. |
| 09h | END BYPASS COMSAS | Restores the normal mode of attempting COMSAS before proceeding to the SATA COMWAKE sequence. |

Modify the OOB state machines accordingly.