

To: T10 Technical Committee
From: Tim Symons, PMC-Sierra (Tim_Symons@pmc-sierra.com)
Date: 4 July 2007
Subject: 07-306r1 SAS-2 Route table discovery process

Revision Information

- Revision 0: First draft.
- **Revision 1: Revisions per the working group suggestions**

Referenced Document

sas2r10 Serial Attached SCSI – 2 (SAS-2) revision 10

Overview

Fixes for SAS2r10 Editors Notes: 7, 10 and 11

A self-configuring expander device completes its route table through the discovery process. ZONE GROUP field values are reported in the DISCOVER response for each phy. For ports that are not directly attached to the expander device, the ZONE GROUP field information is reported in DISCOVER responses from attached zoning expander devices but it is not clear in the text that this information should be added to the zone route table.

This proposal adds definition to the discovery process for zone group retrieval.

[Suggested additions to SAS-2 existing text (included in black), new additional text shown in red

4.7.2 Discover process in a self configuring expander device

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If zoning is enabled, the management application client in a self configuring expander device shall use the SMP DISCOVER response (see 10.4.3.8) or SMP DISCOVER LIST response (see 10.4.3.14) values to set the zone group values in the zoning expander route table. for all addresses in the zoning expander route table (see 4.9.3.4).

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