

To: T10 Technical Committee
 From: Rob Elliott, HP (elliott@hp.com)
 Date: 1 October 2002
 Subject: 02-396r0 SAS Device Identification VPD page requirements

Revision History

Revision 0 (1 October 2002) First revision

Related Documents

sas-r02 - Serial Attached SCSI revision 2
 02-254r2 - WWNs for W-LUNs

Overview

SAS should be very specific in requirements for INQUIRY vital product data to improve interoperability and ensure the Protocol Specific mode page and log page data can be interpreted correctly.

Suggested Changes

10 Application layer

10.1 SCSI application layer

10.1.3 SCSI commands

10.1.3.1 INQUIRY command

Each logical unit in a SAS SSP target devices shall include the identification descriptors listed in table 1 in the Device Identification vital product data (VPD) page (83h) returned by the INQUIRY command (see SPC-3).

Table 1 — Device Identification VPD page required identification descriptors

Description	How many identification descriptors	Identifier type	Association	Identifier details
Logical unit name	One	NAA (3h)	Logical unit (0h)	NAA = IEEE Registered (5h) or IEEE Registered Extended (6h)
Target port identifier	One per target port	NAA (3h)	Target port (1h)	NAA = IEEE Registered (5h) Contains the SAS address of the target port
Relative target port identifier	One per target port	Relative target port identifier (4h)	Target port (1h)	Ports are numbered 1h and higher

Logical units may include additional identification descriptors.

Editor's Note 1: 02-254 makes the association field a 2-bit field to allow a target device to be identified with 2h.

Editor's Note 2: Additional identifiers might be added to report port-phy relationships and provide details like attached SAS address.
