To: T10 Technical Committee
From: Rob Elliott, HP (elliott@hp.com)
Date: 16 July 2008
Subject: 08-287r1 SPC-4 ATA Information VPD page annex nits

Revision history
Revision 0 (13 July 2008) First revision
Revision 1 (16 July 2008) Incorporated comments from July CAP WG.

Related documents
spc4r15 - SCSI Primary Commands - 4 (SPC-4) revision 15
sat2r05 - SCSI/ATA Translation - 2 (SAT-2) revision 5

Overview
1. In section 7.7.1 table 451, the "Support Requirements" entry for 89h ATA Information should not say "Optional." It is really required ("shall support") in SAT-2 for ATA devices being mapped by a SATL, and optional for ATAPI devices being intercepted by a SATL. Rather than try to keep up with those subtleties, just refer to SAT-2 for the support requirements.

2. The "ATA Information" VPD page 89h should not be listed for the Simplified Direct-Access (Reduced Block) device type in table D.14 VPD page codes. SAT and SAT-2 only define translation to the peripheral device type of 00h (direct-access block device). Quoting SAT-2 revision 5:

> PERIPHERAL DEVICE TYPE field: The SATL shall set this field to 00h to indicate that the peripheral device is a direct access block device.

Simplified direct-access (RBC) devices use device type 0Eh.

Suggested changes

...

Table 451 — Vital product data page codes

Page code	VPD Page Name	Reference	Support Requirements
...			
89h	ATA Information	SAT-2	Optional [b]
...			
a See applicable SCSI transport protocol standard (see 3.1.140) for support requirements. [b] See SAT-2 for support requirements.			

...

Table D.14 — VPD page codes

VPD Page Code	DTLPWROMAEBKVF	VPD Page Name
89h	D ~~B~~	ATA Information