

memorandum



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To INCITS T10 Committee From Michael Banther, HP Subject SSC-3 Add WORM VERSION field to Sequential Access Device Capabilities VPD page Date 20 October 2005

Revision History

Revision 0 – Initial document.

Related documents

SCSI Stream Commands – 3 (SSC-3), T10/1611-D, revision 01d, 8 September 2005.

Background

To allow an application client to differentiate between different generations of WORM support, HP proposes the addition of a WORM VERSION field and a Standardized WORM Version bit to the Sequential Access Device Capabilities VPD page.

Changes to SSC-3

8.4.2 Sequential-access device capabilities VPD page

Table 77 specifies the sequential-access device capabilities VPD page. This page provides the application client with the means to determine if the features specified in this page are supported by the device server.

Table 77 – Sequential-access device capabilities VPD page

Bit	Byte	7	6	5	4	3	2	1	0	
0		PERIPHERAL QUALIFIER			PERIPHERAL DEVICE TYPE					
1		PAGE CODE (B0h)								
2	(MSB)									
3		PAGE LENGTH (n-3)						(LSB)		
4	SWV	WORM VERSION				WORM				
5-n		Reserved								

The PERIPHERAL QUALIFIER field and the PERIPHERAL DEVICE TYPE field are defined in SPC-3.

The PAGE LENGTH field specifies the length of the following VPD page data. If the allocation length value in the INQUIRY command descriptor block is too small to transfer all of the VPD page data, the page length shall not be adjusted to reflect the truncation.

If the Write Once Read Many (WORM) bit is set to one, the device server supports WORM mode operation (see 4.2.18.3). If the WORM bit is set to zero, the device server does not support WORM mode operation.

If the Standardized WORM Version (SWV) bit is set to one, the WORM VERSION field specifies the version of WORM mode operation supported (see table x). If the SWV bit is set to zero, the WORM VERSION field contains a vendor-specific indication of the version of WORM mode operation supported.

Table x – WORM VERSION values

Value	Description
00h – 3Fh	Reserved