

memorandum



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T10/06-484r1

To INCITS T10 Committee From Michael Banther, HP Subject SPC-4 Encryption MAM Attribute

Date
8 November 2006

Revision History

Revision 0 – Initial document.

Revision 1 – Change ‘value’ to ‘address’ as requested by CAP.

Related documents

SCSI Primary Commands – 4 (SPC-4), Revision 7a, 7 October 2006.

Background

ISV's have requested the ability to obtain the logical position of the first block of encrypted data on the medium. HP proposes the inclusion of a new MAM attribute that contains this information.

Changes to draft standard

7.3.2.2 Device type attributes

Table 264 – Device type attributes

Attribute Identifier	Name	Attribute Length (in bytes)	Format	Subclause
[Not showing all rows]				
0220h	TOTAL MBYTES WRITTEN IN MEDIUM LIFE	8	BINARY	7.3.2.2.7
0221h	TOTAL MBYTES READ IN MEDIUM LIFE	8	BINARY	7.3.2.2.7
0222h	TOTAL MBYTES WRITTEN IN CURRENT/LAST LOAD	8	BINARY	7.3.2.2.8
0223h	TOTAL MBYTES READ IN CURRENT/LAST LOAD	8	BINARY	7.3.2.2.8
0224h	LOGICAL POSITION OF FIRST ENCRYPTED BLOCK	8	BINARY	7.3.2.2.X
02245h - 033Fh	Reserved			
0340h	MEDIUM USAGE HISTORY	90	BINARY	7.3.2.2.9
0341h	PARTITION USAGE HISTORY	60	BINARY	7.3.2.2.9
0342h - 03FFh	Reserved			

Editor's Note: Table 264 as it exists in spc4r07a contains a cross reference mistake for attribute 0341h. Subclause 7.3.2.2.10 describes this attribute.

7.3.2.2.X LOGICAL POSITION OF FIRST ENCRYPTED BLOCK: Indicates the address of the first logical block on the medium that contains encrypted data.