

ENDL TEXAS

Date: 6 January 2007
 To: T10 Technical Committee
 From: Ralph O. Weber
 Subject: MANAGEMENT PROTOCOL IN command field name fixup

06-465r1 cloned the SECURITY PROTOCOL IN command a little bit too closely.

As a result the contents of a non-existent MANAGEMENT PROTOCOL SPECIFIC field are described. The options for correcting this are to use the three-byte MANAGEMENT PROTOCOL SPECIFIC1 field near the beginning of the CDB or the one-byte MANAGEMENT PROTOCOL SPECIFIC2 field which appears immediately before the control byte. This proposal uses the MANAGEMENT PROTOCOL SPECIFIC2 field.

Also, there are no pad bytes because there are no 512 byte blocks transferred.

The following SPC-4 changes are proposed (reference SPC-4 r08).

6.7.2 Management protocol information description

6.7.2.1 Overview

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6.7.2.2 CDB description

When the MANAGEMENT PROTOCOL field is set to 00h in a MANAGEMENT PROTOCOL IN command, the MANAGEMENT PROTOCOL SPECIFIC2 field (see table 100) contains a single numeric value as defined in 3.5.

Table 100 — MANAGEMENT PROTOCOL SPECIFIC2 field for MANAGEMENT PROTOCOL IN protocol 00h

Code	Description	Support	Reference
0000h	Supported management protocol list	Mandatory	6.7.2.3
0001h - FFFFh	Reserved		

The contents of the MANAGEMENT PROTOCOL SPECIFIC1 field shall be ignored. All other CDB fields for MANAGEMENT PROTOCOL IN command shall meet the requirements stated in 6.7.1.

Each time a MANAGEMENT PROTOCOL IN command with the MANAGEMENT PROTOCOL field set to 00h is received, the device server shall transfer the data defined 6.7.2.3 starting with byte 0.

6.7.2.3 Supported management protocols list description

If the MANAGEMENT PROTOCOL field is set to 00h and the MANAGEMENT PROTOCOL SPECIFIC2 field is set to 0000h in a MANAGEMENT PROTOCOL IN command, the parameter data shall have the format shown in table 101.

Table 101 — Supported management protocols MANAGEMENT PROTOCOL IN parameter data

Bit Byte	7	6	5	4	3	2	1	0
0	Reserved							
5								
6	(MSB)	SUPPORTED MANAGEMENT PROTOCOL LIST LENGTH						
7		(n-7)						(LSB)
Supported management protocol list								
8	SUPPORTED MANAGEMENT PROTOCOL (first) (00h)							
	⋮							
n	SUPPORTED MANAGEMENT PROTOCOL (last)							
n+1	Pad bytes (optional)							
n								

The SUPPORTED MANAGEMENT PROTOCOL LIST LENGTH field indicates the total length, in bytes, of the supported management protocol list that follows.

Each SUPPORTED MANAGEMENT PROTOCOL field in the supported management protocols list shall contain one of the management protocol values supported by the logical unit. The values shall be listed in ascending order starting with 00h.

The total data length shall conform to the ALLOCATION LENGTH field requirements (see 4.3.4.6). ~~Pad bytes may be appended to meet this length. Pad bytes shall have a value of 00h.~~