

Date: Mar. 17, 1999

To: T10 Committee (SCSI)

From: George Penokie (IBM), Bob Snively (Sun)

Subject: Very long CDB defination for FCP-2 and SPI-3

1 SPI-3 additions for long CDBs

Table 1 - FCP_CMND Payload

Bit Byte	7	6	5	4	3	2	1	0	
0	(MSB)								
7	LUN							(LSB)	
8	COMMAND REFERENCE NUMBER								
9	RESERVED				TASK ATTRIBUTE				
10	TASK MANAGEMENT FLAGS								
11	RESERVED	ADDITIONAL FCP_CDB LENGTH = (N-27)/4				RDDATA	WRDATA		
12	(MSB)								
27	FCP_CDB							(LSB)	
28	MSB	ADDITIONAL FCP_CDB							
n								LSB	
n+1	MSB								
n+2									
n+3	FCP_DL								
n+4								LSB	

The ADDITIONAL FCP_CDB LENGTH field contains the length in 4-byte words of the ADDITIONAL FCP_CDB field.

The ADDITIONAL FCP_CDB field contains any CDB bytes beyond those contained within the standard 1 byte CDB field. The ADDITIONAL FCP_CDB field is not valid and is ignored if any task management flag except the clear ACA flag (40h) is selected. The contents of the CDB shall be as defined in the SCSI command standards.

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Table 2 - SPI command information unit

Bit Byte	7	6	5	4	3	2	1	0
0	RESERVED							
1	RESERVED				TASK ATTRIBUTE			
2	TASK MANAGEMENT FLAGS							
3	RESERVED	ADDITIONAL CDB LENGTH = $(n-19)/4$				RDDATA	WRDATA	
4	(MSB)	CDB						(LSB)
19								
20	MSB	ADDITIONAL CDB						
n								
n+1	MSB							
n+2								
n+3	CRC							
n+4								
	LSB							

The ADDITIONAL CDB LENGTH field contains the length in 4-byte words of the ADDITIONAL CDB field.

The ADDITIONAL CDB field contains any CDB bytes beyond those contained within the standard 1 byte CDB field. The ADDITIONAL CDB field is not valid and is ignored if any task management flag except the clear ACA flag (40h) is selected. The contents of the CDB shall be as defined in the SCSI command standards.