

Date: Mar. 10, 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-28)				RDDATA	WRDATA	
12	(MSB) _____							
27	FCP_CDB _____ (LSB)							
28	MSB _____							
n	ADDITIONAL FCP_CDB _____ 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 ADDITIOANL 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.

2 SPI-3 additions for long CDBs

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-20)				RDDATA	WRDATA	
4	(MSB)	CDB						(LSB)
19								
20	MSB	ADDITIONAL CDB						
n								LSB
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.