Date: Mar. 15, 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)				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 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.

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