

To: Membership of X3T9.2
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 Subject: Scanner Window Descriptor Bytes Proposal

This is a proposal for Scanner command to incorporate the wider data width. It is SCSI-3 proposal under the SCSI-3 Graphics Commands (SGC) project.

1. Definition of Bit Ordering in the "Window Descriptor Bytes" for SET WINDOW

(MSB)	15	14	13	12	11	10	9	8	
	7	6	5	4	3	2	1	0	(LSB)

B0:

- 0: Output leading bit to the least significant data bit
- 1: output leading bit to the most significant data bit

B1:

- 0: Output the lower byte on the lower data position (Big Endian)
- 1: Output the higher byte on the lower data position (Little Endian)

<for example>

Image data byte0,byte1,byte2,byte3,byte4,byte5,byte6,byte7...

Big Endian

((byte0,byte1))((byte2,byte3))((byte4,byte5)(byte6,byte7)),...
 (B1, B0) = (0,1)

Little Endian

16bit (byte1,byte0),(byte3,byte2),(byte5,byte4),(byte7,byte6),...
 32bit (byte3,byte2,byte1,byte0),(byte7,byte6,byte5,byte4),...

(B1, B0) = (1, 1)

B2:

- 0: Output Multi-value unpacked
- 1: Output Multi-value packed

B3 - B6:

Reserved

B7:

- 0: Normal Output
- 1: Mirroring Output

B8 - B15:

Reserved

2. Additional scanner error commands for Additional Sense Code/Qualifier

Automatic Document Feeder (ADF) Error	Additional Sense Code/ Qualifier
ADF Error	65H / 00H
ADF Cover Open	65H / 01H
ADF Lift Up	65H / 02H
Document Jam in ADF	65H / 03H
Document Miss Feed in ADF	65H / 04H