To: Membership of X3T9.2 (now X3T10)

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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 Cover Open	66H / 00H
ADF Lift Up	66H / 01H
Document Jam in ADF	66H / 02H
Document Miss Feed in ADF	66H / 03H

ROW Note: 93-036R2 is identical to 93-036R1, except for a revised ASC value. 93-036R1 was considered and deferred in July, 1993. The only reason for not approving the proposal in 1993 was the need to use a different ASC (the one shown above). I believe that the author assumed that the above document was approved. There is a good chance that the ASC/ASCQs are already being used. Given this history, I believe that X3T10 should approve 93-036R2 for inclusion in the SPC and SGC.