To: Membership of X3T9.2 (now X3T10)
From: Tetsuro Motoyama, Ricoh Corporation
       Ralph O. Weber, 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)                             (LSB)
   15  14  13  12  11  10  9  8
   7  6  5  4  3  2  1  0

   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
Scanner Window Descriptor Bytes Proposal

X3T9.2/93-036R2

B3 - B6:
  Reserved

B7:
  0: Normal Output
  1: Mirroring Output

B8 - B15:
  Reserved

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

<table>
<thead>
<tr>
<th>Automatic Document Feeder (ADF) Error</th>
<th>Additional Sense Code/ Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADF Cover Open</td>
<td>66H / 00H</td>
</tr>
<tr>
<td>ADF Lift Up</td>
<td>66H / 01H</td>
</tr>
<tr>
<td>Document Jam in ADF</td>
<td>66H / 02H</td>
</tr>
<tr>
<td>Document Miss Feed in ADF</td>
<td>66H / 03H</td>
</tr>
</tbody>
</table>

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.