To: X3T9.2 Committee (SCSI)

From: George Penokie (IBM)

Subject: Letter Ballot Comments on SCSI-3 Fast-20

IBM votes NO on SCSI-3 Fast-20 for the following reason:

In clause 6.1.3 Single-ended input characteristics there is no filter requirements. These filter requirements are defined in clause 7.1.3 of rev 14 of SPI (page 27) as follows:

'The REQ/REQQ and ACK/ACKQ receivers, after recognizing a negation transition, shall not respond to a signal reversal for at least 10ns.'

Without the above requirement in fast-20 a non-fast-20 SCSI-3 device that is replaced with a fast-20 SCSI-3 device may not operate if the bus is marginal even if the fast-20 is negotiated to non-fast-20 data rates.

This difference must be resolved.