Date: Dec 20, 1994   X3T9.2/95-105 rev 0

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.