

X3T9.2/89-54

StorageTek

DATE: April 21, 1989
TO: SCSI Committee X3T9.2
FROM: Dennis Appleyard
SUBJECT: Message Parity Error Message

The first paragraph of Section 5.6.13 Message Parity Error of SCSI-2, Rev 8 states that the Message Parity Error message is used to indicate that the last message byte received by the initiator had a parity error. The second paragraph is not so clear as to whether it is the message or the message byte. This makes it unclear whether the target should resend the byte in error or the entire message. Since the setting of ATN allows the identification of the byte with the parity error, only the byte in error needs to be retransferred.

The second paragraph of Section 5.6.13 should be changed as follows:

"In order to indicate its intentions of sending this message, the initiator shall assert the ATN signal prior to its release of the ACK signal for the REQ/ACK handshake of the message byte that has the parity error. This provides an interlock so that the target can determine which message byte has the error."

The following paragraph should be added at the end of Section 5.6.13.

"If the target returns to the MESSAGE IN phase before switching to some other phase, after receiving the Message Parity Error message, it shall resend the message byte that had the parity error."

Please consider incorporating these changes into the next revision of the SCSI-2 document.

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