

7 January 88

TO: Dal Allan, Vice-Chairman X3T9.2

FROM: Dexter Anderson SMS

SUBJECT: TARGET MESSAGE RESPONSE CLARIFICATION

In the Wednesday meeting, 6 January, we discovered some issues with the message handling while the Attention signal is asserted by the host. This is an attempt to clarify this issue.

There are already several proposals that address the issues including 87-213, 87-214 and 88-3.

After reviewing these proposals I suggest the following changes:

In section 5.1.10.2, MESSAGE OUT Phase, change

"The target shall handshake byte(s) in this phase until ATN goes false, unless an error occurs (See MESSAGE REJECT, 5.5.2)."

to

"The target shall handshake byte(s) in this phase until; ATN goes false an error occurs, a unsupported message is decoded or an ABORT or BUS DEVICE RESET message is decoded. Note: if the second of an exchange of Synchronous Data Transfer Request or Wide Data Transfer Request messages precedes the ABORT or BUS DEVICE RESET message, the indicated agreement is in effect between the two SCSI devices involved."

Delete the next 3 paragraphs.

In MESSAGE PARITY ERROR description change the first sentence to "This message is sent from either the initiator or target to indicate that a parity error occurred on the last message byte transferred."

Also add the following paragraph:

"When the target detects a parity error during a MESSAGE OUT Phase it shall change to MESSAGE IN phase and send this message. This provides an interlock so the host can determine which message had the parity error and can retransmit the message by reasserting ATN."