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To: T10 Technical Committee
From: John Lohmeyer, LSI Logic Principal Member of T10
Subj: Clarification of MODIFY DATA POINTER message

The documentation on the MODIFY DATA POINTER message, while technically accurate, does not deal with exception cases. I proposed that the following be added to section 12.7.2.8 in SPI-3 Rev 2 (page 145:163):

It is recommended that the target not attempt to move the data pointer outside the range addressed by the command. Initiators may or may not place further restrictions on the acceptable values. Should the target send an ARGUMENT value that is not supported by the initiator, the initiator may reject the value by responding with the MESSAGE REJECT message. In this case, the data pointer is not changed from its value prior to the rejected MODIFY DATA POINTER message.