

memorandum



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T10/04-067r1

To INCITS T10 Committee
From Michael Banther, HP
Subject ADT Unexpected Encapsulated SCSI IU's

Date
05 March, 2004

Revision History

Revision 0 – First Draft

Revision 1 – Changed 'receives an unexpected ...' to 'receives within a valid exchange an unexpected'

Introduction

During discussion of item (g) at the 12-13 January 2004 ADI Working Group meeting, the group agreed that a port receiving an unexpected SCSI Data IU will respond with a NAK IU (see 04-034r0). The port will set the NAK status code to INVALID OR ILLEGAL IU RECEIVED. The group also agreed that a port receiving an unexpected SCSI Transfer Ready IU will respond with an ACK IU and take no further action.

This proposal sets out the text changes in ADT to implement the agreed behaviour.

Existing Text

7.1.7 SCSI encapsulation exchange lifetime

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If a port receives a SCSI Response IU, SCSI Transfer Ready IU, or SCSI Data IU in a nonexistent exchange, it shall transmit a NAK IU with a status code of INVALID EXCHANGE ID and discard the SCSI IU.

Proposed Text

7.1.7 SCSI encapsulation exchange lifetime

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7.1.8 Reception of Encapsulated SCSI Information Units in exceptional circumstances

If a port receives a SCSI Response IU, SCSI Transfer Ready IU, or SCSI Data IU in a nonexistent exchange, it shall transmit a NAK IU with a status code of INVALID EXCHANGE ID and discard the SCSI IU.

If a port receives within a valid exchange an unexpected SCSI Data IU, it shall transmit a NAK IU with a status code of INVALID OR ILLEGAL IU RECEIVED and discard the SCSI Data IU. If a port receives within a valid exchange an unexpected SCSI Transfer Ready IU, it shall transmit an ACK IU and take no further action.