

# memorandum



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T10/06-283r0

To INCITS T10 Committee      From Michael Banther, HP      Subject ADT-2 Limit Login due to Symbol Framing Errors

Date  
15 June 2006

## Revision History

Revision 0 – Initial document.

## Related documents

*Automation/Drive Interface - Transport Protocol -2 (ADT-2), Revision 2, 15 May 2006.*

## Background

ADT-2 revision 2, clause 4.6.2.2 states:

After detecting four or more symbol framing errors without the receipt of a frame, a port shall abort all exchanges, set its operating parameters to default, transition to P1:Login state, and initiate a Port Login exchange with the AOE bit set to one.

This statement conflicts with a statement in clause 4.3.2.5.1:

A port in P3:Logged-Out state shall not initiate an exchange.

It also conflicts with statements in clause 6.5.5:

Upon receiving a Port Logout IU, a DT Device port shall: ...

- c) disable initiating Port Login exchanges; and ....

Upon receiving a Port Logout IU, an automation port shall: ...

- b) disable initiating Port Login exchanges; and ....

## Changes to draft standard

### 4.6.2.2 Error recovery for symbol framing errors

After detecting four or more symbol framing errors without the receipt of a frame, a port in P0:Initial state, P1:Login state, or P2:Logged-In state shall abort all exchanges, set its operating parameters to default, transition to P1:Login state, and initiate a Port Login exchange with the AOE bit set to one. A port in P3:Logged-Out state shall ignore symbol framing errors.

Editorial Note: Does the group wish to exclude other port states from error recovery for symbol framing errors?