T10/06-283r1

To	From	Subject	Date
INCITS T10 Committee	Michael Banther, HP	ADT-2 Limit Login due to Symbol Framing Errors	12 July 2006

Revision History

Revision 0 – Initial document.

Revision 1 – Added P0: Initial to the set of states that ignore symbol framing errors.

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 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 P0:Initial state or P3:Logged-Out state shall ignore symbol framing errors.