

	Nak w/ PR 0 N/A	Nak w/ PR 0 N/A	Nak w/ PR 0 N/A	Nak w/ PR 0 N/A	Nak w/ PR 0 N/A	Nak w/ PR 0 Nak w/ PR 1
R2 Recovering	N/A Nak w/ PR 0 Nak w/ PR 0 N/A	N/A Nak w/ PR 0 Nak w/ PR 0 N/A	N/A Nak w/ PR 0 Nak w/ PR 0 N/A	N/A Nak w/ PR 0 Nak w/ PR 0 N/A	N/A Nak w/ PR 0 Nak w/ PR 0 N/A	N/A Nak w/ PR 0 Nak w/ PR 0 Nak w/ PR 1
T1 Initiate Recovery	Intiate new login exchange – transition to P1 N/A N/A N/A	None N/A N/A N/A	None N/A N/A N/A	None N/A N/A N/A	-Resend N/A N/A N/A	N/A N/A N/A N/A
T2 Retry Initiate Recovery	Intiate new login exchange – transition to P1 N/A N/A N/A	None N/A N/A N/A	None N/A N/A N/A	None N/A N/A N/A	-Abort open exchanges -initiate Login exchange with default params (AOE = 1) N/A N/A N/A	N/A N/A N/A N/A

ADT Revision 10 currently includes the following error recovery subclauses:

4.7 link layer error recovery

4.7.1 Error detection

4.7.1.1 Error detection overview

4.7.1.2 Error detection by the frame sender

4.7.1.3 Error detection by the frame receiver

4.7.2 Error recovery for non link service frames

4.7.2.1 (place holder for Port Login recovery)

4.7.2.2 Retryable error

4.7.2.3 Corrupted frame

4.7.2.4 Protocol error

4.7.2.5 Resource limitation

4.7.2.6 Recoverable error

4.7.2.7 Error recovery for symbol framing errors

3 Proposed changes

4.7.2 Error recovery ~~for non link service frames~~

4.7.2.1 Error recovery for Login IUs

If a ~~transmission~~ **retryable** error is detected ~~on~~ **in** a Port Login IU, the recovery ~~process~~ **procedure** is to restart the negotiation process. This is accomplished by **transitioning to P1:Login and** initiating a login. ~~Port Login IU with a frame number of zero and a new exchange ID value.~~ Values in the payload of the frame ~~shall~~ **should** be set to the default values for the port.

If an error is detected in a Port Login IU, or if a Port Login exchange is initiated as part of the recovery process for error on other frames, the port's operating parameters shall be set to the default values. See clause 4.2 for the default operating parameters.

4.7.2.7 Error recovery for symbol framing errors

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