



Change Figure 55-16 as shown:
 Add a new state FR_RX_INIT.
 Change the entry conditions to RX_INIT.

Add the following text to 55.3.5.2.2

‘This variable is only required for PHYs that have the fast retrain capability.

lpi_fr_sigtype

This variable is set to IDLE if 1.147.1 is set to 1 and fast retrain is supported.

The variable is set to LFAULT otherwise.’

Add a mechanism to pass fr_active from the PMA to PCS as follows:

‘55.2.2.12 PMA_FR_ACTIVE.indication

For PHYs that support the fast retrain capability, this primitive indicates whether or not the PMA is currently performing a fast retrain. The fr_active variable is generated by the PMA PHY Control function. It is passed to the PCS Receive Control function via the PMA_FR_ACTIVE.indication primitive.

55.2.2.12.1 Semantics of the primitive

PMA_FR_ACTIVE.indication(fr_active)

The fr_active parameter can take on one of two values.

TRUE The PMA is performing a fast retrain

FALSE The PMA is not performing a fast retrain

55.2.2.12.2 When generated

The PMA PHY Control function generates PMA_FR_ACTIVE.indication messages continuously.

55.2.2.12.3 Effect of receipt

The effect of receipt of this primitive is specified in Figure 55-16.’