Editing instructions for changes:

Insert new 5th paragraph to 147.3.3.1 PCS Receive overview:

“During the WAIT_SYNC state, the PCS notifies the RS of a received BEACON indication by the means of the MII as specified in 22.2.2.8. When a sequence of at least two consecutive 'N' symbols is received, the MII signals RX_DV, RX_ER, and RXD<3:0> are set to the BEACON indication as shown in Table 22–2. Additionally, the PCS notifies the RS of a received COMMIT indication by the means of the MII as specified in 22.2.2.8. When a sequence of at least two consecutive SYNC is received, the MII signals RX_DV, RX_ER, and RXD<3:0> are set to the COMMIT indication as shown in Table 22–2.”

Insert variables rx_cmd and multidrop into 147.3.3.2 Variables:

rx_cmd
See 147.3.7.1.1

multidrop
See 147.3.7.1.1

Change 147.3.3.3 Constants to add new definitions for BEACON and HB:

BEACON
5B symbol defined as ‘N’ in 4B/5B encoding.

HB
5B symbol defined as 'T' in 4B/5B encoding.

See also 147.3.2.3.

Delete 147.3.3.10 and 147.3.3.11 (headers and content).

147.3.7.1.1 - Change description of rx_cmd variable as follows, Replace:

“The following mapping shall be used:

- rx_cmd ⇐ 'BEACON' when a BEACON indication is generated as specified in 147.3.7,
- rx_cmd ⇐ 'COMMIT' when a COMMIT indication is generated as specified in 147.3.3.11,
- rx_cmd ⇐ 'HEARTBEAT' when an HB is detected on the line,
- rx_cmd ⇐ 'NONE' otherwise.

With: “PLCA or HEARTBEAT signaling decoded by the PCS.”

Replace Figure 147-7 and Figure 147-8 as shown in beruto_lewis_3cg_01_0719.pdf