

Overview

- The Clause 49.2.13.2.3 Function definition for R_BLOCK_TYPE and T_BLOCK_TYPE for C needs to be revised.
- The Clause 49 Transmit State Diagram has a state transition from TX_LI to TX_E. There needs to be a transition from TX_E back to TX_LI to recover from an error condition during Low Power Idle.
- The Clause 49 Receive State Diagram has a state transition from RX_LI to RX_E. There needs to be a transition from RX_E back to RX_LI to recover from an error condition during Low Power Idle.
- This presentation proposes these changes to the function definitions, Transmit and Receive State Diagrams.

49.2.13.2.3 function definitions for T_BLOCK_TYPE

| $T_BLOCK_TYPE = \{C, S, T, D, E, LI\}$ | 31 |
|--|----|
| This function classifies each 72-bit tx_raw vector as belonging to one of the five types depending | 32 |
| on its contents. | |
| | 34 |
| Values: C; The vector contains one of the following: | 35 |
| a) eight valid control characters other than /O/, /S/, /T/ and /E/; | 36 |
| b) one valid ordered_set and four valid control characters other than /O/, /S/ and /T/; | 37 |
| c) two valid ordered sets. | 38 |
| LI; If the optional Low Power Idle function is supported then LI type is a special case of | 39 |
| the C type where the vector contains a sync header of 10, a block type field of 0x1e | 40 |
| and eight control characters of 0x07 (/LI/). | 41 |

• Proposed redefinition for C:

 a) eight valid control characters other than /O/, /S/, /T/, /E/ and /LI/; Note: /LI/ is excluded only if EEE mode is supported.

Clause 49 Transmit state diagram

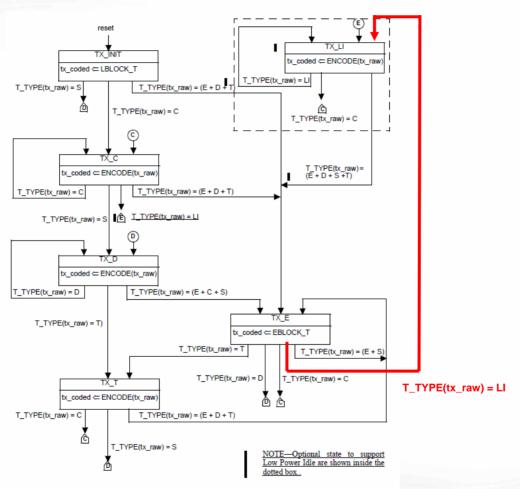


Figure 49-14—Transmit state diagram

49.2.13.2.3 function definitions for R_BLOCK_TYPE

| | | 1 |
|---------|--|---|
| Values: | C; The vector contains a sync header of 10 and one of the following: | 2 |
| | a) A block type field of 0x1e and eight valid control characters other than /E/; | 3 |
| | b) A block type field of 0x2d or 0x4b, a valid O code, and four valid control | 4 |
| | characters; | 5 |
| | c) A block type field of 0x55 and two valid O codes. | 6 |
| | LI; If the optional Low Power Idle function is supported then LI type is a special case of | 7 |
| | the C type where the vector contains a sync header of 10, a block type field of 0x1e | 8 |
| | and eight control characters of 0x07 (/LI/). | 9 |

• Proposed redefinition for C:

a) A block type field of 0x1e and eight valid control characters other than /E/ and /LI/; Note: /LI/ is excluded only if EEE mode is supported.

Clause 49 Receive state diagram

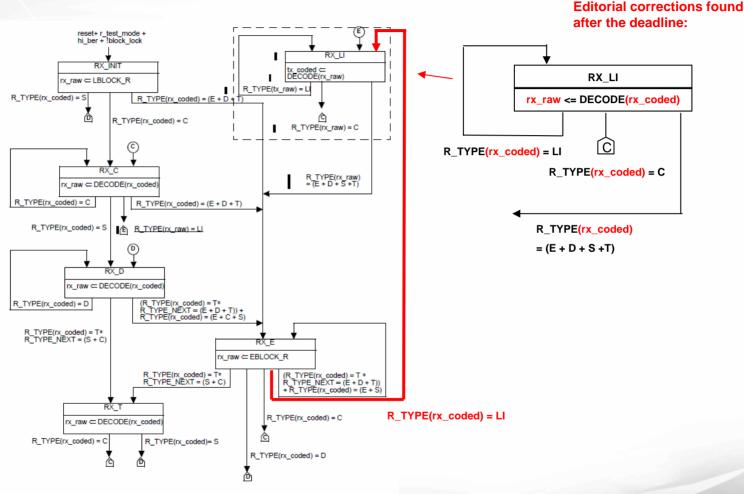


Figure 49-15—Receive state diagram

