



Comment #236

Gerrit den Besten
NXP Semiconductors
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Proposed remedy

- ▶ Replace

- tx_RSmessage<3259:10> = tx_RSmessage<3249:0>.
- tx_RSmessage<9:0> = Link partner access field<9:0>.

- ▶ With

- tx_RSmessage<3259:10> = tx_group50x65B<3249:0>.
- tx_RSmessage<9:0> = OAM_field<9:0>.

- ▶ OAM_field is used extensively in the spec

- ▶ We need to define tx_group50x65B somewhere

Definitions

▶ 149.3.2.2.13

- The transmit process generates blocks as specified in the PCS 64B/65B Transmit state diagram (see Figure 136–15 and Figure 136–16). The contents of each block are contained in a vector `tx_coded<64:0>`, which is passed to the transcoder/ scrambler.

▶ 149.1.3.1

- These 65-bit blocks are then aggregated into groups of 50 blocks.
- *Insert after this sentence:*
- The contents of each group are contained in a vector `tx_group50x65B`.

▶ 149.3.2.2.1

- The resulting payload of fifty scrambled 65B blocks, followed by the 10-bit OAM field and 340 parity bits is 3600 bits.
- The resulting RS-FEC frame of fifty 65B blocks, followed by the 10-bit OAM field and 340 parity bits is 3600 bits.

Utilizing this new group definition

- ▶ Replace:
 - The RS-FEC encoding takes the 3260-bit input code vector $x = [x_0 x_1 x_2 \dots x_{3599}]$ and shall ...
- ▶ With
 - The RS-FEC encoding takes the 3260-bit vector `tx_group50x65B` and shall ...

