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3 |                8802-3/802.3 REVISION REQUEST                |
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5 DATE: 07/16/2015
6 NAME: Adrian Butter
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10 REQUESTED REVISION:
11     STANDARD: P802.3/D3.1
12     CLAUSE NUMBER: 82
13     CLAUSE TITLE: Physical Coding Sublayer (PCS) for 64B/66B, type
14                   40GBASE-R and 100GBASE-R
15
16 PROPOSED REVISION TEXT:
17 On page 164, in Figure 82-18-LPI Transmit state diagram, not all
18 logical combinations of the T_TYPE(tx_raw) function and LPI_FW variable
19 are represented in the illustrated transitions from the TX_ACTIVE
20 state. To make the logical combinations complete, it is requested that
21 the TX_ACTIVE to TX_ACTIVE state transition appearing on Line 9 of page
22 164 be updated from -
23     T_TYPE(tx_raw) ≠ LI
24 to -
25     T_TYPE(tx_raw) ≠ LI + [T_TYPE(tx_raw) = LI * LPI_FW = TRUE]
26
27 Alternatively, per the following rule governing state machines in
28 Clause 1.2.1 State diagram conventions - "When a state is entered and
29 the condition to leave that state is not immediately fulfilled, the
30 state executes continuously, sending the messages and executing the
31 actions contained in the state in a continuous manner." - Another
32 valid resolution is to altogether remove the TX_ACTIVE to TX_ACTIVE
33 state transition, meaning the TX_ACTIVE state remains in effect until
34 the TX_ACTIVE to TX_SLEEP state transition (LPI_FW = FALSE *
35 T_TYPE(tx_raw) = LI) occurs.
36
37 RATIONALE FOR REVISION:
38 Improves the clarity of the standard.
39
40 IMPACT ON EXISTING NETWORKS:
41 None.
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44

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2 |Please attach supporting material, if any|
3 |Submit to:- David Law, Chair IEEE 802.3|
4 |and copy:- Adam Healey, Vice-Chair IEEE 802.3|
5 |
6 |At:- E-Mail: stds-802-3-maint-req@ieee.org|
7 |
8 | +----- For official 802.3 use -----+
9 | | REV REQ NUMBER: 1281 |
10 | | DATE RECEIVED: 16th July, 2015 |
11 | | EDITORIAL/TECHNICAL |
12 | | ACCEPTED/DENIED |
13 | | BALLOT REQ'D YES/NO |
14 | | COMMENTS: |
15 +-----+
16 | For information about this Revision Request see -|
17 | http://www.ieee802.org/3/maint/requests/revision\_history.html#REQ1281 |
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