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4  DATE: 04 October 2024
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8
9  REQUESTED REVISION:
10     STANDARD: 802.3-2022
11     CLAUSE NUMBER: 149.3.9.4.3
12     CLAUSE TITLE: Variables
13  PROPOSED REVISION TEXT:
14  Replace
15
16  "This variable is set to TRUE whenever the transmit data stream reaches
17  the start of a PHY frame and a dummy OAM symbol is not transmitted per
18  149.3.9.2.1 during normal power operation in the data mode, or at the
19  start of a transmit refresh cycle during Low Power Idle operation."
20
21  with
22
23  "This variable is set to TRUE whenever the transmit data stream reaches
24  the start of an RS-FEC frame and a dummy OAM symbol is not transmitted
25  per 149.3.9.2.1 during normal power operation in the data mode, or at
26  the start of a transmit refresh cycle during Low Power Idle operation."
27
28  in the tx_boundary description
29
30  RATIONALE FOR REVISION:
31  There is an incorrect reference to PHY frame instead of RS-FEC frame.
32  If this variable was set to TRUE at the start of each PHY frame then an
33  OAM symbol would only be transmitted every 16 RS-FEC frames. Each PHY
34  frame contains 16 10-bit OAM fields, not just one.
35
36  IMPACT ON EXISTING NETWORKS:
37  This change will impact any 2.5GBASE-T1, 5GBASE-T1, or 10GBASE-T1 PHY
38  implementations that insert only one OAM symbol per PHY frame.
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41  |Please attach supporting material, if any
42  |Submit to:-   David Law, Chair IEEE 802.3
43  |and copy:-    Adam Healey, Vice-Chair IEEE 802.3
44  |
45  |At:-         E-Mail: stds-802-3-maint-req@ieee.org
46  |
47  |             +----- For official use -----+
48  |             | REV REQ NUMBER: 1462
49  |             | DATE RECEIVED: 04 October 2024
50  |             | EDITORIAL/TECHNICAL
51  |             | ACCEPTED/DENIED
52  |             | BALLOT REQ'D   YES/NO
53  |             | COMMENTS:
54  +-----+
55  | For information about this Revision Request see -
56  |http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1462
57  +-----+

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