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|                          REVISION REQUEST                         |
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DATE: 04 October 2024
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REQUESTED REVISION:
  STANDARD: 802.3-2022
  CLAUSE NUMBER: 149.3.9.2.1
  CLAUSE TITLE: MultiGBASE-T1 OAM frame structure
PROPOSED REVISION TEXT:
Replace

"One OAM symbol is placed in the 10-bit OAM field in each PHY frame
during normal power operation in the data mode. One OAM symbol is
placed in the 10-bit OAM field in each refresh cycle during Low Power
Idle. The sixteen OAM symbols are consecutively inserted into sixteen
consecutive PHY frames and/or refresh cycles."

with

"One OAM symbol is placed in the 10-bit OAM field in each RS-FEC frame
during normal power operation in the data mode. One OAM symbol is
placed in the 10-bit OAM field in each refresh cycle during Low Power
Idle. The sixteen OAM symbols are consecutively inserted into sixteen
consecutive RS-FEC frames and/or refresh cycles."

RATIONALE FOR REVISION:
There is an incorrect reference to PHY frame instead of RS-FEC frame.
If one symbol was placed in each PHY frame then an OAM symbol would
only be transmitted every 16 RS-FEC frames. Each PHY frame contains 16
10-bit OAM fields, not just one.

IMPACT ON EXISTING NETWORKS:
This change will impact any 2.5GBASE-T1, 5GBASE-T1, or 10GBASE-T1 PHY
implementations that insert only one OAM symbol per PHY frame.

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|Please attach supporting material, if any                          |
|Submit to:-   David Law, Chair IEEE 802.3                          |
|and copy:-    Adam Healey, Vice-Chair IEEE 802.3                   |
|                                                                   |
|At:-          E-Mail: stds-802-3-maint-req@ieee.org                |
|                                                                   |
|             +------------ For official use ------------+          |
|             |  REV REQ NUMBER: 1449                    |          |
|             |  DATE RECEIVED: 04 October 2024          |          |
|             |  EDITORIAL/TECHNICAL                     |          |
|             |  ACCEPTED/DENIED                         |          |
|             |  BALLOT REQ'D    YES/NO                  |          |
|             |  COMMENTS:                               |          |
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| For information about this Revision Request see -                 |
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1449 |
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