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|                          REVISION REQUEST                            |
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DATE: 04 October 2024
NAME: Charity Reed
COMPANY/AFFILIATION: UNH-IOL
E-MAIL: creed@iol.unh.edu

REQUESTED REVISION:
  STANDARD: 802.3-2022
  CLAUSE NUMBER: 149.3.9.2.15
  CLAUSE TITLE: PHY health indicator
PROPOSED REVISION TEXT:
Replace

"If a PHY receives SNR<1:0> set to 01 by its link partner, then it
cannot enter into LPI in the egress direction."

with

"If a PHY receives SNR<1:0> set to 01 by its link partner, then it
shall not enter into LPI in the egress direction."

Add to the PICS:

"OAMx | PHY health indicator | 149.3.9.2.15 | Prevent entering LPI |
EEE*OAM:M | Yes[] NA[]"

RATIONALE FOR REVISION:
There is no shall for preventing entering LPI if SNR<1:0> is received.
Clause 97 sets a precedent by calling this out in the PICS as a
requirement (though it is also missing the shall).

IMPACT ON EXISTING NETWORKS:
This change will impact any 2.5GBASE-T1, 5GBASE-T1, or 10GBASE-T1 PHY
implementations that allow entering LPI in the egress direction after
receiving SNR<1:0> set to 01 by its link partner.

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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: 1456                     |           |
|              | 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#REQ1456 |
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