DATE: 2022/06/06
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REQUESTED REVISION:
STANDARD: IEEE Std 802.3-2022
CLAUSE NUMBER: 56.1.3
CLAUSE TITLE: Physical Layer signaling systems

PROPOSED REVISION TEXT:
Break down the existing Table 56-1 into three separate tables as follows:
- Table 56-1a, covering just EPON media (1G-EPON, 10G-EPON, Nx25G-EPON, and upcoming 802.3cs PHYs)
- Table 56-1b, covering all P2P (single and dual) fiber PHYs
- Table 56-1c, covering all copper PHYs

Within each new table, use the existing ordering of PHYs.

Change text "Specifications unique to the operation of each Physical Layer device are shown in Table 56-1." to read "Specifications unique to the operation of individual Physical Layer device types are shown in Table 56-1a for EPON, in Table 56-1b for P2P fiber, and in Table 56-1c for copper Physical Layer devices."

Update reference in 1.4.7 1000BASE-PX from Table 56-1 to Table 56-1a
Update reference in 1.4.48 10/1GBASE-PRX from Table 56-1 to Table 56-1a
Update reference in 1.4.77 10GBASE-PR from Table 56-1 to Table 56-1a
Update reference in 1.4.90 10GPASS-XR from Table 56-1 to Table 56-1c

RATIONALE FOR REVISION:
Table 56-1 is becoming quickly unwieldy, spanning multiple pages, and getting hard to read and even harder to maintain.

IMPACT ON EXISTING NETWORKS:
None, it is just a reorganization of Table 56-1 into 3 separate tables.

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 information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1399