$\int_{\text{Dec 2025}}^{?} P802.3\text{ds}$

# Editors' Report

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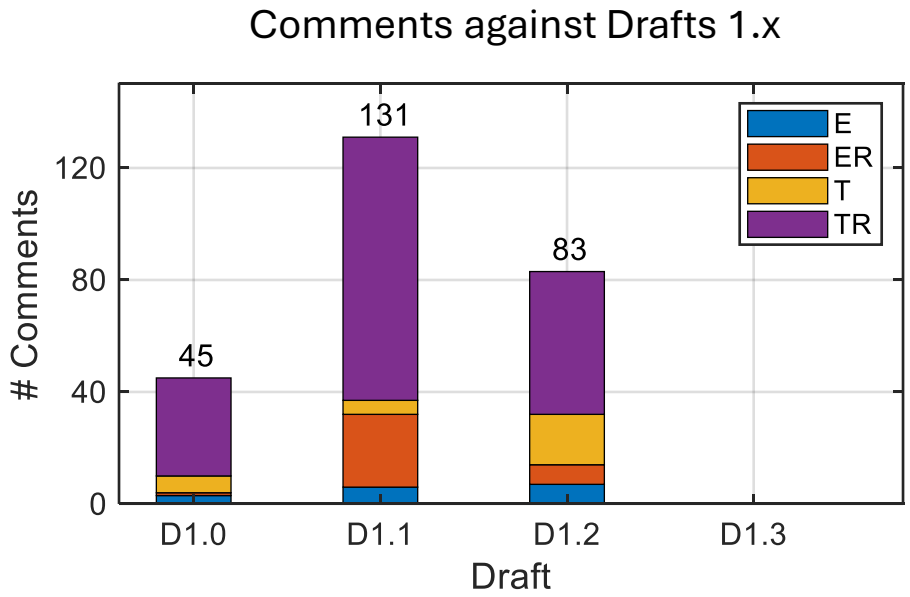
| Name | Clause/Subclause |
|---|---|
| Ramana Murty | FM, 1, 116, 193.7, 193.9, 194.7, 194.9 |
| Roberto Rodes | 169, 174, 193.8, 193.10, 193.12, 194.8, 194.10, 194.12 |
| Eric Bernier | 30, 45, 120, 193.1 – 193.6, 193.11, 194.1 – 194.6, 194.11 |

# D1.3 Task Force Review

- Clause numbers assigned to P802.3ds:
  - Clause 193 850 nm link
  - Clause 194 1060 nm link

- D1.3 Opened for comments on 2026, Oct 2 – Oct 17, AOE

- No comments received against D1.3



# D1.3: Updates and Changes

- Closed all TBDs in D1.2

1. TDECQ (max) 4.2 dB
   Reference equalizer Equalizer DC gain (= 1) defined as sum of all 15 feedforward tap coefficients

2. Specification for the 1060 nm MMF
   Nominal core diameter [25 26 27 28 29] μm
   Encircled flux scaled 850 nm MMF EF specification

3. 1060 nm link
   Receiver reflectance (max) −20 dB
   Optical return loss tolerance (max) 17 dB

4. Cabling skew and skew variation for 850 nm OMz and 1060 nm MMF: Set to the same values as OM3/OM4/OM5 MMF

5. Editorial
   OMz fiber type

- Clarifications

5. Error ratio allocation in 193.2 and 193.9.14, *Receiver sensitivity*

6. TDECQ measurement description, 193.9.7 and 194.9.7

# D1.3: Updates and Changes contd.

- Description in subclause 194.9, *Description of optical parameters and measurement methods*, has been shortened using references to the corresponding subclause 193.9.

- Removed some editors' notes

1. Tx power excursion
   *The transmitter power excursion limit was set with a hit ratio of 3 × 10–3 and the value of the limit is under review.*

2. Figure: Tx $OMA_{outer}$ and Rx sensitivity
   *The figure will be updated after link budget is finalized*.

3. Error ratio allocation
   *Following text is under consideration for inclusion in a future draft: For a receiver where the PMA adjacent to the PMD is the final PMA in the receiver, e.g., in a host ASIC, BERadded is 3.2 × 10–5. For a receiver where the PMA adjacent to the PMD is followed by an AUI C2C and then the final PMA, BERadded is 5 × 10–5*.

4. Signal detect function
   *There is an apparent discrepancy between this and the use of local_rx_ready in 178B.8.3.1 in 193.5.5*.

# Editors' Notes in D1.3

1. IEC document reference for fiber type OMz and 1060 nm MMF

2. Tx overshoot and undershoot
   *Data supporting the limit on transmitter overshoot and undershoot is encouraged. Implementation of optical link training may impact the limit.*

3. Reference equalizer tap coefficients
   *The upper limit on the feedback tap coefficient, b, is under review. A review of the limits on feed-forward tap coefficients is encouraged.*

4. Receiver sensitivity
   *See 180.9.14 for measurement of receiver sensitivity. A list of exceptions to the method is under consideration.*

5. Stressed receiver sensitivity
   *Proposals have been made to replace the sinusoidal interferer. Presentations are encouraged.*

6. 1060 nm MMF
   *The core diameter will be selected from among the values listed after ongoing investigation.*

7. Fiber emulation filter for 1060 nm link
   *Further work on the value of the fiber emulation filter bandwidth is encouraged based on EMB guidance over 1052 – 1068 nm.*