P802.3cc D1.0
(Supplementary Explanations)

20160824

K. Tamura, Editor

Requests For Input

1. Section 1.4
   - Impact of adding new definition (see next page)
2. Table 2-6; Table 2-7
   - Tx OMA (max) of from 3 → 2.2 dBm with corresponding change to Rx OMA (max)
3. Table 2-7
   - TBD values (stressed receiver sensitivity and test conditions)
4. Table 2-6; Table 2-7; Table 2-8
   - Budget methodology consistency for 25GBASE-ER
5. Table 2-6; Table 2-9; Section 200.7.5.1; Section 2.7.7; Section 200.11.4.5
   - Removal of RIN specification
6. Table 105-2; Section 105.5
   - Make consistent with IEEE Std 802.3bq-2016

1.4 Definitions

- Comment:
  - Adding new definition 1.4.178a differential group delay (DGD) requires check of prior usage in entire 802.3 document.

- Occurrences in 802.3-2015:
  - 1.5 Abbreviations - DGD appears in list.
  - 52.13 Fiber optic cabling model – definition appears in footnote g of Table 52-24.
  - 87.10 Fiber optic cabling model – definition appears in footnote c of Table 87-14.
  - 88.10 Fiber optical cabling model – definition appears in footnote c of Table 88-14.
  - 89.10 Characteristics of the fiber optic cabling (channel) – definition appears in footnote c of Table 89-13.

- For discussion:
  - If definition is to be added, should it be reflected in the Table footnotes listed above.

Summary Of 8/24 Adhoc Discussion

1. Implement comment entry tool used in other 802.3 projects to receive comments for P802.3cc (Microsoft Access-based).
2. Contributor names can be added later (P802.3by added them at D2.1).
3. Missing “cc” in front matter p10 can be corrected without formal comment (only applies to changes in front matter).
4. New definition for DGD should only be applied to P802.3cc. Prior clauses (see Slide 3) should not be updated, though this should be confirmed with WG Vice Chair.
5. 25GBASE-ER specification should be revised to reflect the IEEE budgeting methodology (current baseline is based on ITU specification and methodology and has internal inconsistency). Requires a presentation.
6. Alternative budget proposals for 25GBASE-ER (e.g. to allow for PIN receivers) need presentations as soon as possible. Interested parties should be contacted.
7. Hit ratio in transmitter eye mask definition in Table 2-6 should use value from 25GBASE-SR (1.5×10^{-3}).
8. Hit ratio should be added to SRS eye mask definition in Table 2-7 (5×10^{-5}, see 25GBASE-SR).
9. RIN specification can be relaxed from current value of -130 dB/Hz (propose -128 dB/Hz or even less). Although removal of spec was being considered, preference is to keep informative (recommended) spec to guard against extreme cases, such as transmitters with poor optical isolation.
10. Proposals needed for TBD values in Table 2-6 and 2-7 related to SRS sensitivity and test conditions.
11. Editor will add comments for changes needed to reflect 802.3bq-2016 to Table 105-2 and elsewhere.