Cl **160**   *SC* **160.7.4**   *P* **118**   *L* **25**   # 4

Dawe, Piers   Nvidia

Comment Type **TR**   *Comment Status* **R**

    Too much duplication

SuggestedRemedy

    Refer to other clauses, for several subclauses here

Response   *Response Status* **U**

    REJECT.

    This is the same as D2.1 Comment #44.

    This material is included in Clause 139. It follows the recent style of the subclause of
    definition of optical parameters and measurement methods.

Cl **160**   *SC* **160.6.1**   *P* **113**   *L* **28**   # 14

Dawe, Piers   Nvidia

Comment Type **TR**   *Comment Status* **R**

    It is very unwise to delete the limit on $K = 10\log10(Ceq)$, and also unwise to to add the
    over/under-shoot and transmitter power excursion (max) limits (see the latest P802.3cu
    draft). These three limits protect the receiver from different stressful signals that the ideal
    reference receiver with infinite resolution and perfect linearity reports have acceptable
    TDECQ, but real receivers designed to realistic cost and power objectives struggle with.

SuggestedRemedy

    Reinstate the limit on $K = 10\log10(Ceq)$.
    Add over/under-shoot and transmitter power excursion (max) limits as in the latest
    P802.3cu draft.

Response   *Response Status* **U**

    REJECT.

    For the first suggested remedy of "Reinstate the limit on $K = 10\log10(Ceq)$", cp follows the
    removal of "$K = 10\log10(Ceq)$" in P802.3cu. The latest decision from P802.3cu supports
    removal of K. In the case it will be necessary to include full refererences:
    •In P802.3cu resolution to comment #2 to D1.1 it was agreed to remove $K = 10\log10(Ceq)$
    and replace with several other parameters like TECQ and TDECQ – TECQ.
    •In P802.3cu resolution to comment #87 to D2.0, a proposal to reinstate $K = 10\log10(Ceq)$
    was rejected.
    •In P802.3cu resolution to comment #30 to D2.1, another proposal to reinstate $K =
    10\log10(Ceq)$ was rejected, referring to comment #87 to D2.0.

    For the second suggested remedy of "Add over/under-shoot and transmitter power
    excursion (max) limits as in the latest P802.3cu draft", the commenter has not provided any
    evidence that these requirements are necessary for 50 Gb/s PAM4 applications and that
    adding those would increase the quality of the draft.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **14**   Page 1 of 1
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   11/17/2020 1:53:02 PM
SORT ORDER: Comment ID