

302.3ck D2.1 100/200/400 Gb/s Electrical Interfaces Task Force 1st Working Group recirculation ballot co

Cl **93A** SC **93A.1.6** P **225** L **15** # **118**
 Dawe, Piers Nvidia
 Comment Type **E** Comment Status **D** *b(n) equation (bucket2)*
 The equation for b(n) is clumsy and hard to follow
SuggestedRemedy
 $b(n) = \min(\max(h\dots, \text{bbmin}(n)), \text{bbmax}(n))$
 Proposed Response Response Status **W**
 PROPOSED REJECT.
 The suggested remedy does not improve upon the clarity of the existing equation.

Cl **162** SC **162.9.3** P **163** L **20** # **101**
 Dawe, Piers Nvidia
 Comment Type **T** Comment Status **D** *units (bucket2)*
 The units for a ratio should be spelled out so the reader knows which of V/V, W/W or A/A, is meant.
SuggestedRemedy
 Change the long dash to V/V. This may be desirable for some other ratios also, and in 163.
 Proposed Response Response Status **W**
 PROPOSED REJECT.
 The suggested remedy does not add clarity to the existing specification.
 [Editor's note: CC: 162, 163]

Cl **162** SC **162.9.4** P **170** L **29** # **111**
 Dawe, Piers Nvidia
 Comment Type **E** Comment Status **D** *TP5 specifications (bucket2)*
 The receiver specifications at TP5 are provided informatively in 162A.3: that's not what 162A.3 says.
SuggestedRemedy
 The *recommended* receiver specifications at TP5 are... Also change the title of 162A.3, Receiver characteristics at TP5, to Recommended receiver characteristics at TP5.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT IN PRINCIPLE.

The suggested change in wording in 162.9.4 is an improvement to the draft. However, if this text is changed, then similar text in 162.9.3 Transmitter characteristics should be updated.

It is not necessary to update the title for subclauses 162A.2 and 162A.3 since Annex 162A is informative and the text introduces the specifications as recommended.

In 162.9.3...
 change "The transmitter characteristics at TP0 are provided informatively in 162A.2." to "Recommended transmitter specifications are provided in 162A.2."

In 162.9.4...
 change "The receiver specifications at TP5 are provided informatively in 162A.3." to "Recommended receiver specifications are provided in 162A.3."

[Editor's note: CC: 162, 162A]

Cl **162** SC **162.9.4.3.3** P **173** L **38** # **113**
 Dawe, Piers Nvidia
 Comment Type **E** Comment Status **D** *broadband noise (bucket2)*
 "sigma_bn is the RMS broadband noise amplitude" means nothing because the text doesn't call it that.
SuggestedRemedy
 Add "RMS broadband noise amplitude" to the text where sigma_bn is mentioned (step g).
 Proposed Response Response Status **W**
 PROPOSED ACCEPT IN PRINCIPLE.
 Implement the suggested remedy with editorial license.

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Cl 162 SC 162.9.4.6 P 176 L 11 # 115

Dawe, Piers Nvidia
 Comment Type ER Comment Status D RLdc/RLcd graphs (bucket2)

Don't waste the reader's time.

SuggestedRemedy

Combine the graphs for Transmitter common mode to differential return loss and Receiver differential to common-mode return loss.

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3ck D2.1 and D2.0 or the unsatisfied negative comments from the initial ballot. Hence it is not within the scope of the recirculation ballot.

The two graphs represent requirements for different components, which happen in this case to have identical responses.

[Editor's note: Changed page from 175.]

Cl 163 SC 163.9.2 P 200 L 12 # 17

Brown, Matt Huawei
 Comment Type E Comment Status D table footnote (bucket2)

For the SNDR specification in Table 163-5, footnote d is redundant. The reference column points to 162.9.3.3 which provides the exact same information as footnote a.

SuggestedRemedy

Delete footnote a.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Resolve using the response to comment #77.

Cl 163 SC 163.9.2 P 200 L 21 # 77

Dudek, Mike Marvell
 Comment Type E Comment Status D table footnote (bucket2)

Footnote d to table 163-5 just duplicates the information in the short section that this footnote refers to.

SuggestedRemedy

Delete the footnote.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Similar footnote "d" in Table 162-10 and Table 120F-1 is also redundant and thus should be deleted as well.

Delete footnote d in Table 162-10, Table 163-5, and Table 120F-1.

Cl 163 SC 163.9.2.1.3 P 201 L 27 # 117

Dawe, Piers Nvidia
 Comment Type TR Comment Status D TF RLcc (bucket2)

Test fixture common-mode to common-mode return loss should be way better than the worst module connector! And needs to be significantly better than the spec for the IC+TF.

SuggestedRemedy

Change 2 to something sensible

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3ck D2.1 and D2.0 or the unsatisfied negative comments from the initial ballot. Hence it is not within the scope of the recirculation ballot.

This comment does not provide sufficient details for implementation.

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Cl 163A SC 163A.3.1.1 P 307 L 33 # 91

Wu, Mau-Lin

MediaTek Inc.

Comment Type E Comment Status D language (bucket2)

For the definition of N_v here, it would be better to change it from "represents the number of symbols to include in the steady-state voltage calculation" to "represents the number of symbols to be included in the steady-state voltage calculation".

SuggestedRemedy

Change from "represents the number of symbols to include in the steady-state voltage calculation" to "represents the number of symbols to be included the steady-state voltage calculation"

Proposed Response Response Status W

PROPOSED REJECT.

The suggested remedy does not add clarity to the existing wording.

Cl 163A SC 163A.3.1.3 P 308 L 52 # 23

Hidaka, Yasuo

Credo Semiconductor, Inc.

Comment Type T Comment Status D language (bucket2)

There may be more than two sets of reference package parameters. Also, this should be taken from the transmitter package parameter.

SuggestedRemedy

Change "the longer package trace length" with "the longest transmitter package trace length".

Apply the same change to page 307 line 36.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 163A SC 163A.3.2 P 309 L 3 # 41

Ran, Adee

Cisco systems

Comment Type ER Comment Status D language (bucket2)

"In this subclause, difference parameters quantify the difference between measured values and reference values, and are used to determine whether a transmitter meets the pass/fail requirements for a given parameter"

This subclause _defines_ the difference parameters. The pass/fail requirements are not in this annex.

SuggestedRemedy

Change the subclause text to "This subclause defines the parameters that quantify the difference between measured values and reference values".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This comment does not apply to the substantive changes between IEEE P802.3ck D2.1 and D2.0 or the unsatisfied negative comments from the initial ballot. Hence it is not within the scope of the recirculation ballot.

However, the proposed changes are an improvement to the draft.

Cl 163A SC 163A.3.2.2 P 309 L 33 # 43

Ran, Adee

Cisco systems

Comment Type E Comment Status D language (bucket2)

"Measure the ERL using the method defined in 93A.5" is phrased as a test procedure. But this should be just a definition of the difference parameter.

The reference to 93A.5 should be in the definition of ERL(meas).

SuggestedRemedy

Delete the quoted sentence.

Change "ERL(meas) is the measured ERL" to "ERL(meas) is the ERL calculated from measurement as defined in 93A.5)".

Proposed Response Response Status W

PROPOSED ACCEPT.