

## IEEE 802.3by D2.1 25 Gb/s Ethernet 1st Working Group recirculation ballot comments

CI **045** SC **45.2.1.2.3** P **30** L **42** # **26**  
 Anslow, Pete Ciena

Comment Type **E** Comment Status **A** bucket

The references in "45.2.1.19, 45.2.1.42, 45.2.1.43, and 45.2.1.58." should be in forest green.

*SuggestedRemedy*

Re-number Table 45-17c to Table 45-17b

Response Response Status **C**

ACCEPT IN PRINCIPLE.

The comment is not related to the substantive changes between IEEE P802.3by/D2.1 and IEEE P802.3by/D2.0 or the unsatisfied negative comments from the initial ballot and is therefore out of scope.

The suggested remedy was probably intended for comment #25.

Make references "45.2.1.19, 45.2.1.42, 45.2.1.43, and 45.2.1.58" be in forest green.

CI **045** SC **45.2.1.6** P **33** L **5** # **19**  
 Anslow, Pete Ciena

Comment Type **E** Comment Status **A** bucket

The entries in Table 45-7 do not reflect the changes that IEEE Std 802.3bw-201x (which has completed Sponsor Ballot) is making to bits 1.7.5:0

*SuggestedRemedy*

Change the editing instruction to:  
 "Change the indicated row of Table 45-7 (as modified by IEEE Std 802.3bw-201x) for 25G PMA/PMD selection as follows (unchanged rows not shown):"  
 Replace the row "1 1 x x x = reserved" (in strikethrough font) with "1 1 1 0 x x = reserved for future use" (in strikethrough font)  
 Remove the row "1 1 0 x x x = reserved"

Response Response Status **C**

ACCEPT IN PRINCIPLE.

Implement suggested remedy and also delete editor's note on line 6 page 32 as the row "1 1 0 x x x = reserved" will be removed.

CI **045** SC **45.2.1.14c** P **36** L **1** # **25**  
 Anslow, Pete Ciena

Comment Type **E** Comment Status **A** bucket

The editing instruction says "Insert 45.2.1.14c and 45.2.1.14c.1 through 45.2.1.14c.5 after 45.2.1.14b as inserted by IEEE Std 802.3bw-201x as follows:" but the subclause inserted by the P802.3bw draft has been changed to be 45.2.1.14a.

Also, the Table inserted by the P802.3bw draft is now Table 45-17a.

*SuggestedRemedy*

Change the editing instruction to: "Insert 45.2.1.14b and 45.2.1.14b.1 through 45.2.1.14b.5 after 45.2.1.14a as inserted by IEEE Std 802.3bw-201x as follows:" and re-number the new subclauses accordingly.

Response Response Status **C**

ACCEPT IN PRINCIPLE.

Implement suggested remedy and also change table number to Table 45-17b from Table 45-17c

CI **045** SC **45.2.1.97** P **38** L **48** # **20**  
 Anslow, Pete Ciena

Comment Type **E** Comment Status **A** bucket

In the editing instruction on line 48, "45.2.1.95" should be "45.2.1.97"

*SuggestedRemedy*

Change "45.2.1.95" to "45.2.1.97"

Response Response Status **C**

ACCEPT.

CI **045** SC **45.2.3.2.7** P **42** L **8** # **27**  
 Anslow, Pete Ciena

Comment Type **E** Comment Status **A** bucket

"Change second sentence of 45.2.3.2.7 as follows:" should be "Change the third sentence of 45.2.3.2.7 as follows:"

*SuggestedRemedy*

Change "Change second sentence of 45.2.3.2.7 as follows:" to "Change the third sentence of 45.2.3.2.7 as follows:"

Response Response Status **C**

ACCEPT.

## IEEE 802.3by D2.1 25 Gb/s Ethernet 1st Working Group recirculation ballot comments

CI **045** SC **45.2.3.13.1** P **44** L **36** # **22**  
 Anslow, Pete Ciena

Comment Type **E** Comment Status **A** bucket

Missing "of" in "Change last sentence 45.2.3.13.1 as follows:"

## SuggestedRemedy

Change to "Change last sentence of 45.2.3.13.1 as follows:"

Response Response Status **C**

ACCEPT.

CI **069** SC **69.2.3** P **52** L **7** # **85**  
 Dawe, Piers Mellanox

Comment Type **E** Comment Status **A** bucket

This Table 69-1a has a header "Clause" while Table 105-2 has "Clause/Annex". While the latter seems more correct, the base document and P802.3bs/D1.0 use the former.

## SuggestedRemedy

Change this one to Clause/Annex, and log a maintenance request or remember to submit a comment on the next revision. Or change the other to Clause.

Response Response Status **C**

ACCEPT IN PRINCIPLE.

The comment is not related to the substantive changes between IEEE P802.3by/D2.1 and IEEE P802.3by/D2.0 or the unsatisfied negative comments from the initial ballot and is therefore out of scope.

For consistency with similar tables in the base document, in Table 105-2 change "Clause/Annex" to "Clause".

CI **069** SC **69.2.3** P **52** L **8** # **84**  
 Dawe, Piers Mellanox

Comment Type **E** Comment Status **A** bucket

"74" should be a hot link, like the others.

## SuggestedRemedy

Per comment.

Response Response Status **C**

ACCEPT.

The comment is not related to the substantive changes between IEEE P802.3by/D2.1 and IEEE P802.3by/D2.0 or the unsatisfied negative comments from the initial ballot and is therefore out of scope.

CI **073** SC **73.6.4** P **55** L **5** # **11**  
 Ran, Ade Intel

Comment Type **E** Comment Status **A** bucket

"interoperation" as one word is commonly used in 802.3.

Also, "likewise" in the previous sentence seems odd, should it be "and likewise", or just "and"?

## SuggestedRemedy

Delete the hyphen in "inter-operation".

Consider rewording "likewise".

Response Response Status **C**

ACCEPT IN PRINCIPLE.

Delete the hyphen in "inter-operation".

Change "likewise" to "and likewise".

CI **078** SC **78.1.3.3.1** P **72** L **38** # **28**  
 Marris, Arthur Cadence Design Systems

Comment Type **E** Comment Status **A** bucket

The first and last sentences of the last paragraph of 78.1.3.3.1 do not match the modification made by 802.3bq.

## SuggestedRemedy

Change to:

"Except for BASE-T, for PHYs with an operating ...."

and:

"Except for BASE-T PHYs, fast wake support is mandatory ...."

Response Response Status **C**

ACCEPT.

# IEEE 802.3by D2.1 25 Gb/s Ethernet 1st Working Group recirculation ballot comments

**Cl 108**    **SC 108.5.2.4**    **P 106**    **L 4**    # **18**  
 Slavick, Jeff    Avago Technologies

**Comment Type E**    **Comment Status A**    *bucket*  
 Don't think the , should be there

[The commenter did not provide a comment type. The editor set the CommentType to "E"]

**SuggestedRemedy**  
 Remove the ,

**Response**    **Response Status C**  
 ACCEPT.

**Cl 108**    **SC 108.5.3.6**    **P 110**    **L 41**    # **9**  
 Ran, Adeel    Intel

**Comment Type E**    **Comment Status A**    *bucket*  
 Editor's note has served its purpose.

**SuggestedRemedy**  
 Delete editor's note.

**Response**    **Response Status C**  
 ACCEPT.

**Cl 108**    **SC 108.7.3**    **P 121**    **L 6**    # **94**  
 Andrewartha, Mike    Microsoft

**Comment Type E**    **Comment Status A**    *bucket*  
 The first two items, \*KR and \*CR, refer to the opposite PHY in the Feature column. Item \*KR lists feature 25GBASE-CR with Value/Comment "Used to Form a complete 25GBASE-KR PHY". Item \*CR lists feature 25GBASE-KR with Value/Comment "Used to Form a complete 25GBASE-CR PHY". These seem backwards. Item and feature should match.

**SuggestedRemedy**  
 Change Item \*KR Feature column entry to 25GBASE-KR.  
 Change Item \*CR Feature column entry to 25GBASE-CR.

**Response**    **Response Status C**  
 ACCEPT.

The comment is not related to the substantive changes between IEEE P802.3by/D2.1 and IEEE P802.3by/D2.0 or the unsatisfied negative comments from the initial ballot and is therefore out of scope.

The comment highlights an obvious error that should be corrected.

Use suggested remedy.

**Cl 110**    **SC 110.8.4.2**    **P 147**    **L 2**    # **58**  
 Dudek, Mike    QLogic

**Comment Type T**    **Comment Status A**    *bucket*  
 It is not really the COM values that are meant here.

**SuggestedRemedy**  
 Replace "COM values" with "COM parameter values" (3 places).

**Response**    **Response Status C**  
 ACCEPT.

**Cl 110**    **SC 110.8.4.2**    **P 147**    **L 33**    # **2**  
 Krishnasamy, Kumaran    Broadcom

**Comment Type T**    **Comment Status A**    *bucket*  
 Footnote "b" below Table 110-5 (thru Table 110-7) referring to Figure 92-10.

[The commenter did not enter comment type. Editor set comment type to "T".]

**SuggestedRemedy**  
 Refer to Figure 110-4.

**Response**    **Response Status C**  
 ACCEPT.

The comment is not related to the substantive changes between IEEE P802.3by/D2.1 and IEEE P802.3by/D2.0 or the unsatisfied negative comments from the initial ballot and is therefore out of scope.

However, it highlights an obvious error that should be corrected.

Change "Figure 92-10" to a cross-reference to Figure 100-4 in footnotes of tables 110-5, 110-6, and 110-7.

## IEEE 802.3by D2.1 25 Gb/s Ethernet 1st Working Group recirculation ballot comments

Cl 110 SC 110.8.4.2.3 P 149 L 29 # 76  
Dawe, Piers Mellanox

Comment Type E Comment Status A bucket

There's only one test channel to be calibrated for a serial PHY's receiver. While we are here, not sure what "characterized at" means. What character? This is simpler than bj, just one s4p measurement. Are we not allowed to use and de-embed the VNA cables?

## SuggestedRemedy

Change  
The scattering parameters of the test channels are characterized at the test references...  
to  
The scattering parameters of the test channel are measured [or determined] with respect to the test references...

Response Response Status C

ACCEPT.  
The comment is not related to the substantive changes between IEEE P802.3by/D2.1 and IEEE P802.3by/D2.0 or the unsatisfied negative comments from the initial ballot and is therefore out of scope.

The comment highlights an obvious error that should be corrected.

Change "channels" to "channel".  
Change "characterised" to "measured".

Cl 110 SC 110.8.4.2.3 P 149 L 51 # 3  
Krishnasamy, Kumaran Broadcom

Comment Type E Comment Status A bucket

The outer "cascade" operator is redundant in the equation SCHSp = cascade(cascade(S(ctsp),S(hosp))).

## SuggestedRemedy

Replace with SCHSp = cascade(S(ctsp),S(hosp)).

Response Response Status C

ACCEPT.

The comment is not related to the substantive changes between IEEE P802.3by/D2.1 and IEEE P802.3by/D2.0 or the unsatisfied negative comments from the initial ballot and is therefore out of scope.

However, it highlights an obvious error that should be corrected.

See #31.

Cl 110 SC 110.8.4.2.3 P 149 L 51 # 31  
Omer Sella Mellanox Technologie

Comment Type E Comment Status A bucket

It appears that there is a copy-paste issue here: cascade(x,y) is a function of two variables. However, it says in line 51: cascade(cascade(S^(CTSP),S^(HOSP))) so the outer cascade is an erroneous syntax here.

## SuggestedRemedy

Remove the outer cascade and brackets.

Response Response Status C

ACCEPT.

The comment is not related to the substantive changes between IEEE P802.3by/D2.1 and IEEE P802.3by/D2.0 or the unsatisfied negative comments from the initial ballot and is therefore out of scope.

However, it highlights an obvious error that should be corrected.

Apply the suggested remedy.

Cl 110 SC 110.10.7 P 154 L 7 # 90  
Dawe, Piers Mellanox

Comment Type E Comment Status A bucket

Names of parameters in Table 110-10, COM parameter values for CA-25G-N CA-25G-S and CA-25G-L, and Table 111-8, COM parameter values for 25GBASE-KR 25GBASE-KR-S channels, should exactly match the master, 93A.1 and particularly Table 93A-1, COM parameters. They don't have to be descriptive.

## SuggestedRemedy

Change "Alien far-end aggressor" to "Far-end aggressor" in each table.

Response Response Status C

ACCEPT.

Apply the suggested change in both Clause 110 and Clause 111.

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<i>Cl</i> <b>110B</b>	<i>SC</i> <b>110B.1.3.6</b>	<i>P</i> <b>228</b>	<i>L</i> <b>50</b>	# <span style="border: 1px solid black; padding: 0 5px;">61</span>
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Dudek, Mike                      QLogic

*Comment Type*    **E**            *Comment Status*   **A**                      *bucket*

We are calling it "integrated near-end crosstalk everywhere else."

*SuggestedRemedy*

Change "integrated crosstalk" to "integrated near-end crosstalk" on line 50.

*Response*                      *Response Status*   **C**

ACCEPT.

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<i>Cl</i> <b>110B</b>	<i>SC</i> <b>110B.1.3.6</b>	<i>P</i> <b>228</b>	<i>L</i> <b>50</b>	# <span style="border: 1px solid black; padding: 0 5px;">80</span>
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Dawe, Piers                      Mellanox

*Comment Type*    **E**            *Comment Status*   **A**                      *bucket*

Equation (110B-1) through Equation (110B-2)

*SuggestedRemedy*

Equation (110B-1) and Equation (110B-2)

*Response*                      *Response Status*   **C**

ACCEPT.