

Cl 128 SC 7.1.6 P 109 L 41 # 1 [REDACTED]  
 McDermott, Thomas Fujitsu

Comment Type ER Comment Status D

The clause deals with common mode output return loss, but references differential output return loss in line 41, and the title of figure 128-5 on page 110.

*SuggestedRemedy*

On page 109 line 41 - change 'differential mode' to 'common mode'.  
 Page 110 line 23 - change 'differential mode' to 'common mode' in the figure title.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.6.1.1.5 P 30 L 38 # 2 [REDACTED]  
 Laubach, Mark Broadcom Limited

Comment Type E Comment Status D

Editing instruction: suggest changing "in after" to "after".  
 Same for line 45

*SuggestedRemedy*

As per comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.2.6.2.3 P 82 L 9 # 3 [REDACTED]  
 Laubach, Mark Broadcom Limited

Comment Type E Comment Status D

Line 9: the "D" goto box is colliding with the text below it. Provide more separation.  
 Line 10: There is a dashed box colliding with the text "assert\_idle \* TX\_OSET.indicate".  
 Can you fix so that the lines do not overwrite the text? Also, should be consistent with the "D" transition next to it, both have dashed boxes or both do not.  
 Line 53: "NOTE—Transitions B and C are only required for the EEE capability." is colliding with the figure caption. Need more visual separation.  
 Line 5: align bottom of arrows, move right most arrow a little more right.  
 Line 15: arrow is entering state box, should just be touching.  
 Line 42: why is there a dashed box around the "B" entry state machine, but not a similar box around the "D" entry state machine? Make box use consistent.

*SuggestedRemedy*

As per comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.2.6.2.4 P 87 L 44 # 4 [REDACTED]  
 Laubach, Mark Broadcom Limited

Comment Type E Comment Status D

Un-needed arrow head, remove.  
 For consideration: some of the state boxes look like unaligned separate lines, rather than a graphic box. Suggestion: make the corners look better aligned regardless of how drawn.  
 Note this could be a FM -> PDF issue.

*SuggestedRemedy*

As per comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.2.6.2.4 P 88 L 7 # 5 [REDACTED]  
 Laubach, Mark Broadcom Limited

Comment Type E Comment Status D

Many of the line "corners" are not graphically aligned in this figure that should be aligned better. Also, seeing lines running into state boxes that should be "move behind" or similar to neaten things up.

*SuggestedRemedy*

As per comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 128 SC 128.10.4.1 P 115 L 53 # 6 [REDACTED]  
 Laubach, Mark Broadcom Limited

Comment Type E Comment Status D

There are three occurrences in this PICS section where the bottom horizontal line of a table is missing. The line needs to be there so we know that text hasn't fallen off the page also. Adjust whatever FM issue is causing this (never seen it before so can't recommend.)

*SuggestedRemedy*

As per comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

**Cl 130**    **SC 130.10.4.2**    **P 150**    **L 53**    # **7**

Laubach, Mark    Broadcom Limited

**Comment Type E**    **Comment Status D**

The bottom horizontal line of the table is missing. It needs to be there.

**SuggestedRemedy**  
As per comment.

**Proposed Response**    **Response Status W**  
PROPOSED ACCEPT.

**Cl 128A**    **SC 128A.3.2.3**    **P 170**    **L 11**    # **8**

Laubach, Mark    Broadcom Limited

**Comment Type E**    **Comment Status D**

The alignment of box corners, lines, and arrows could be improved. Arrow heads in the same diagram should most often be the same size. In many figures, text is uncomfortably close to lines, boxes, and the figure caption. Generally, I like to be specific for page and line, but after getting through the entire doc some over all neatening might be nice (yes, I know it might be considered time consuming....)

**SuggestedRemedy**  
Suggested, as per comment.

**Proposed Response**    **Response Status W**  
PROPOSED ACCEPT.

**Cl 130A**    **SC 130A.2**    **P 204**    **L 10**    # **10**

Laubach, Mark    Broadcom Limited

**Comment Type E**    **Comment Status D**

Line 10 and 25. Text is running into lines. Maintain slightly larger visual separation to avoid collision.

Almost same for Figure 130A-5 on Page 205.

**SuggestedRemedy**  
As per comment.

**Proposed Response**    **Response Status W**  
PROPOSED ACCEPT.

**Cl 130A**    **SC 130A.3.2.2**    **P 209**    **L 53**    # **11**

Laubach, Mark    Broadcom Limited

**Comment Type E**    **Comment Status D**

Orphan subtitle. Keep with next few lines.

**SuggestedRemedy**  
As per comment.

**Proposed Response**    **Response Status W**  
PROPOSED ACCEPT.

**Cl 130A**    **SC 130A.3.2.2**    **P 211**    **L 13**    # **12**

Laubach, Mark    Broadcom Limited

**Comment Type E**    **Comment Status D**

Right side of box is missing. Fix.

**SuggestedRemedy**  
As per comment.

**Proposed Response**    **Response Status W**  
PROPOSED ACCEPT.

**Cl 130A**    **SC 130A.3.4**    **P 214**    **L 10**    # **13**

Laubach, Mark    Broadcom Limited

**Comment Type E**    **Comment Status D**

Adjust column size to avoid breaking "s" of "Units" onto separate line.

**SuggestedRemedy**  
As per comment.

**Proposed Response**    **Response Status W**  
PROPOSED ACCEPT.

**Cl 1**    **SC 1.4.74aa**    **P 26**    **L 25**    # **14**

Hajduczenia, Marek    Charter Communicatio

**Comment Type E**    **Comment Status D**

"IEEE Std 802.3bs™-201x" is not marked as Amendment 8

**SuggestedRemedy**  
Add "Amendment 8—" ahead of "This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 116 through Clause 124" statement

**Proposed Response**    **Response Status W**  
PROPOSED ACCEPT.

CI 45 SC 45.2.3.7a P 35 L 15 # 15  
 Hajduczenia, Marek Charter Communicatio

Comment Type E Comment Status D  
 Rows in Table 45–124a modified (added) by this project are not marked in underline

SuggestedRemedy  
 Mark rows for bits 3.9.3 and 3.9.2

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.3.9a P 36 L 7 # 17  
 Hajduczenia, Marek Charter Communicatio

Comment Type E Comment Status D  
 Rows in Table 45–125a modified (added) by this project are not marked in underline

SuggestedRemedy  
 Mark rows for bits 3.21.8, 3.21.7, and 3.21.6:3 - they are being added

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.3.14.3 P 37 L 43 # 18  
 Hajduczenia, Marek Charter Communicatio

Comment Type E Comment Status D  
 Please make sure that "/" is not used for hyphenation

SuggestedRemedy  
 Alternatively, place a forced line break ahead of: "5/10/25/40/100GBASE-R" to make sure that designators are not broken across lines

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.7.12 P 38 L 38 # 19  
 Hajduczenia, Marek Charter Communicatio

Comment Type E Comment Status D  
 Rows in Table 45–209 modified (added) by this project are not marked in underline

SuggestedRemedy  
 Mark rows for bits 7.48.15 and 7.48.14  
 Similar changed in Table 45–211aa and Table 45–211ab

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 128A SC 128A.3.1 P 164 L 1 # 21  
 Hajduczenia, Marek Charter Communicatio

Comment Type E Comment Status D  
 Table 128A-1 uses "max." and "max" - which is it supposed to be?

SuggestedRemedy  
 Please use "max." consistently. The same goes for "min."

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 128A SC 128A.3.2 P 167 L 24 # 22  
 Hajduczenia, Marek Charter Communicatio

Comment Type E Comment Status D  
 no need to break the line in "See Equation (128A-2)" statement - extend the size of Value column and shrink the Parameter column to compensate. Also, extend the size of Units column to make sure "s" is not forced into line 2.  
 Also, add "-" in Units column where no units are present / needed

SuggestedRemedy  
 Per comment- there are multiple tables in the draft that need the associated change. Please make sure all tables have "-" in Units column where no units are needed / defined.

Proposed Response Response Status W  
 PROPOSED ACCEPT.

**CI 128A** SC **128A.4.2.2** P **175** L **42** # **24**  
 Hajduczenia, Marek Charter Communicatio

**Comment Type E** **Comment Status D**  
 I do not think 802.3cb will be published in 2016.

**SuggestedRemedy**  
 Please change all references to "802.3cb-2016" to "802.3cb-201x"

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**CI 128A** SC **128A.4.4** P **176** L **16** # **25**  
 Hajduczenia, Marek Charter Communicatio

**Comment Type E** **Comment Status D**  
 We do not use "E" based description for BER very often

**SuggestedRemedy**  
 Change "BER < 10E-12" to proper format as seen in 128A.1.1  
 Same for HI4, HI6, DI4, DI6  
 more of "E" based BER values in Table 128C-1  
 There are more instances in text and in PICS that need to be replaced.

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**CI 128B** SC **128B.4.4.2** P **183** L **44** # **26**  
 Hajduczenia, Marek Charter Communicatio

**Comment Type E** **Comment Status D**  
 We do have a special symbol for ">=" please see the front matter and table of symbols

**SuggestedRemedy**  
 Please replace all instances of ">=" with appropriate symbol. The same goes for "<="

See IG3 for proper symbols

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**CI 128C** SC **128C.3** P **185** L **50** # **27**  
 Hajduczenia, Marek Charter Communicatio

**Comment Type E** **Comment Status D**  
 Missing space in "100  $\pm$  10%." - make sure " $\pm$ " symbol has always spaces around it

**SuggestedRemedy**  
 Per comment

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**CI 128D** SC **128D.1.2** P **193** L **50** # **28**  
 Hajduczenia, Marek Charter Communicatio

**Comment Type E** **Comment Status D**  
 text in lines 50-54 is shown in italics, but it is not part of the equation.

**SuggestedRemedy**  
 Please apply proper text tyle  
 Simialr problem on page 196, lines 50-52; page 202, line 54

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**CI 128D** SC **128D.2.3** P **196** L **31** # **29**  
 Hajduczenia, Marek Charter Communicatio

**Comment Type E** **Comment Status D**  
 Tables are usually centered

**SuggestedRemedy**  
 Please center Table 128D-1

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**CI 130A** SC **130A.3.1.1** P **206** L **37** # **31**  
 Hajduczenia, Marek Charter Communicatio

**Comment Type E** **Comment Status D**  
 Odd dash over "93" in 192.93 ps statement

**SuggestedRemedy**  
 Make sure dash is removed

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

Cl 1 SC 1.4.74aa P 26 L 21 # 32  
 Anslow, Pete Ciena

Comment Type E Comment Status D

The first two editing instructions in 1.4 do not conform to the usual style.  
 There is no need to say "in alphanumerical order" as the position is explicit.  
 There is no need to say "and renumber" as re-numbering is not required for the amendment.  
 The list of definitions is incorrect.  
 "5GSEI" should be after "5GBASE-T".

*SuggestedRemedy*

Change the first editing instruction to: "Insert the new definition for 2.5GBASE-KX, before 1.4.74a 2.5GBASE-T (as inserted by IEEE Std 802.3bz-201x) as follows:"  
 Change the second editing instruction to: "Insert the five new definitions for 2.5GBASE-X, 2.5GP11, 2.5GSEI, 5GBASE-KR, and 5GBASE-R, after 1.4.74a 2.5GBASE-T (as inserted by IEEE Std 802.3bz-201x) as follows:"  
 Add a new editing instruction before the definition for "5GSEI": "Insert the new definition for 5GSEI after 1.4.74b 5GBASE-T (as inserted by IEEE Std 802.3bz-201x) as follows:"  
 Re-number "5GSEI" to be 1.4.74c

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 00 SC 0 P 26 L 35 # 33  
 Anslow, Pete Ciena

Comment Type E Comment Status D

Cross references to other parts of the 802.3 standard are not prefaced by "Clause", "subclause" or "Annex" unless they are to the first level heading.  
 Cross references to items in the P802.3cb draft should be live hyperlinks.  
 Cross references to other parts of the 802.3 standard that are not in the P802.3cb draft should be text with the character tag "External" applied.

*SuggestedRemedy*

Scrub the entire draft according to the principles outlined in the comment.  
 This means making at least the following changes:  
 Page 26 line 35, "Clause 127.2.4.1" should be "127.2.4.1" (Xref format "Section")  
 Page 34 line 7, "70.6.4" should be text with the character tag "External" applied  
 Page 34 line 37, "45.2.3.1" should be a hyperlink  
 Page 34 lines 38 to 41, "49.2", "55.3.6.3", "113.3.7.3", "126.3.7.3" should all be text with the character tag "External" applied  
 Page 53 lines 17, 18, and 19 "Clause 49", "Clause 49", and "Clause 82" should all be text with the character tag "External" applied  
 Page 57 line 10, "128A" and "130A" should be hyperlinks  
 Page 63 line 24 "Clause 36" should be text with the character tag "External" applied  
 Page 63 line 45, "clause 35" should be "Clause 35" and text with the character tag "External" applied  
 Page 66 line 28, "Clause 127.2.4.2" should be "127.2.4.2"  
 Page 69 line 30, "Clause 127.2.4.2" should be "127.2.4.2"  
 Page 78 line 14, "Clause 127.2.4.2" should be "127.2.4.2"  
 Page 125 line 20, "Clause 51.2" should be "51.2"  
 Page 125 line 47, "Clause 51.8" should be "51.8"  
 Page 126 line 14, "51.9" should be text with the character tag "External" applied  
 Page 128 line 11 "Clause 49" should be text with the character tag "External" applied  
 Page 135 line 48 "subclause 130.6.5" should be "130.6.5" and a cross-reference  
 Page 136 lines 21, 32 to 35, and 53, "Annex 31B", "Clause 45", "Table 130-2", "Table 130-3", and "Figure 130-1" should all be cross-references  
 Page 137 line 42, "Clause 78" should be a cross-reference  
 Page 140 lines 5, 22, and 23, "Table 130-4", "Equation (130-4)", and "Equation (130-5)" should all be cross-references  
 Page 143 lines 29, and 30, "Equation (130-5)", and "Equation (130-6)" should both be cross-references  
 Page 147 line 47, "130.7.2.1" should be a cross-reference  
 Page 149 lines 2 and 36, "Clause 130" should be a cross-reference in both places  
 Page 149 line 44, "Clause 21" should be text with the character tag "External" applied  
 Page 171 line 50, "92.8.3.7" should be text with the character tag "External" applied  
 Page 223 line 14, "Annex 128C.4.2" should be "128C.4.2"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.3.2.1.2 P 29 L 19 # 34  
Anslow, Pete Ciena

Comment Type E Comment Status D

The editing instructions in 30.3.2.1.2 and 30.3.2.1.3 need to state that the 2.5GBASE-T or 5GBASE-T entries were inserted by IEEE Std 802.3bz.  
Also, incorrect subclause number in the second editing instruction in 30.3.2.1.3

*SuggestedRemedy*

Change the editing instructions in 30.3.2.1.2 to:  
"Insert the following new entry in "APPROPRIATE SYNTAX" in 30.3.2.1.2 after the entry for 2.5GBASE-T (as inserted by IEEE Std 802.3bz-201x)".  
"Insert the following new entry in "APPROPRIATE SYNTAX" in 30.3.2.1.2 after the entry for 5GBASE-T (as inserted by IEEE Std 802.3bz-201x)".  
Change the editing instructions in 30.3.2.1.3 to:  
"Insert the following new entry in "APPROPRIATE SYNTAX" in 30.3.2.1.3 after the entry for 2.5GBASE-T (as inserted by IEEE Std 802.3bz-201x)".  
"Insert the following new entry in "APPROPRIATE SYNTAX" in 30.3.2.1.3 after the entry for 5GBASE-T (as inserted by IEEE Std 802.3bz-201x)".

Proposed Response Response Status W  
PROPOSED ACCEPT.

Cl 30 SC 30.5.1.1.2 P 30 L 10 # 35  
Anslow, Pete Ciena

Comment Type E Comment Status D

The entry for 2.5GBASE-T was not modified by .3bz, it was inserted by .3bz.  
The 5G entries should be placed below "5GBASE-T"

*SuggestedRemedy*

In the two editing instructions, change "as modified by" to "as inserted by".  
In the second editing instruction, change "2.5GBASE-T" to "5GBASE-T"

Proposed Response Response Status W  
PROPOSED ACCEPT.

Cl 30 SC 30.6.1.1.5 P 30 L 38 # 36  
Anslow, Pete Ciena

Comment Type E Comment Status D

The entries for 2.5GBASE-T and 5GBASE-T were not modified by .3bz, they were inserted by .3bz.  
"in after the entry" doesn't make sense.

*SuggestedRemedy*

In the two editing instructions:  
change "in after the" to "after the".  
change "as modified by" to "as inserted by".

Proposed Response Response Status W  
PROPOSED ACCEPT.

Cl 45 SC 45.2.1 P 31 L 16 # 37  
Anslow, Pete Ciena

Comment Type E Comment Status D

There are two register name changes

*SuggestedRemedy*

In the editing instruction change: "name of the register" to "names of the registers"

Proposed Response Response Status W  
PROPOSED ACCEPT.

Cl 45 SC 45.2.1.1.5 P 31 L 31 # 38  
Anslow, Pete Ciena

Comment Type E Comment Status D

Editing instructions should be specific as to the location of the modification and should not try to capture the change in the text.

*SuggestedRemedy*

Change the editing instruction to: "Change the second sentence of 45.2.1.1.5 as follows:"

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

CI 45 SC 45.2.1.6 P 31 L 48 # 39  
 Anslow, Pete Ciena

Comment Type T Comment Status D  
 Most other entries in this table end "PMA/PMD", e.g. "10GBASE-KR PMA/PMD"

*SuggestedRemedy*

Change "5GBASE-KR" to "5GBASE-KR PMA/PMD"  
 Change "2.5GBASE-KX" to "2.5GBASE-KX PMA/PMD"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.1.7.4 P 32 L 6 # 40  
 Anslow, Pete Ciena

Comment Type E Comment Status D  
 Reference to 802.3bz is garbled in 45.2.1.7.4, 45.2.1.7.5, and 45.2.1.8

*SuggestedRemedy*

In the editing instructions in 45.2.1.7.4, 45.2.1.7.5, and 45.2.1.8 change:  
 "IEEE802.3-201x Std 802.3bz" to:  
 "IEEE Std 802.3bz-201x"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.1.14c P 32 L 50 # 41  
 Anslow, Pete Ciena

Comment Type E Comment Status D  
 The editing instruction needs to state where Table 45-17c can be found.  
 Given the underlining of the new rows in the table (which are only appropriate for a  
 "change" editing instruction) it is simplest to make the editing instruction a simple "change".

*SuggestedRemedy*

Change the editing instruction to: "Change the row for 1.21.15:2 in Table 45-17c (as  
 inserted by IEEE Std 802.3bz-201x) as follows (unchanged rows not shown):

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.1.14c.a P 33 L 12 # 42  
 Anslow, Pete Ciena

Comment Type E Comment Status D  
 "Std" and a space missing in the editing instruction.

*SuggestedRemedy*

change "by IEEE 802.3bz-201x)as" to "by IEEE Std 802.3bz-201x) as"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.1.88 P 33 L 32 # 43  
 Anslow, Pete Ciena

Comment Type E Comment Status D  
 "." missing from the end of the sentence.

*SuggestedRemedy*

Add "."

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.3.7a.a P 35 L 34 # 44  
 Anslow, Pete Ciena

Comment Type E Comment Status D  
 There is no editing instruction for 45.2.3.7a.a or 45.2.3.7a.b.  
 For the moment, assume that P802.3bs is ahead of P802.3cb as per the editing instruction  
 on page 34, line 52. If P802.3cb moves ahead of P802.3bs, this will need to change.

*SuggestedRemedy*

Add the editing instruction: "Insert 45.2.3.7a.a and 45.2.3.7a.b before 45.2.3.7a.1 (as  
 inserted by IEEE Std 802.3bs-201x) as follows:"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.7.2.1 P 38 L 28 # 46  
 Anslow, Pete Ciena  
 Comment Type E Comment Status D  
 "more than one of 1000BASE-KX, or 2.5GBASE-KX, or 10GBASE-KX4 PMAs" doesn't need two "or"s  
 SuggestedRemedy  
 Remove the first of the two "or"s  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.5.3.1 P 41 L 28 # 48  
 Anslow, Pete Ciena  
 Comment Type T Comment Status D  
 In item MM124, Status "2.5GKX:M 5GKX:M KX:M KX4:M KR:M", "5GKX:M" should be "5GKR:M"  
 SuggestedRemedy  
 Change "5GKX:M" to "5GKR:M"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.5.3.6 P 41 L 35 # 49  
 Anslow, Pete Ciena  
 Comment Type E Comment Status D  
 There are no editing instruction for items "\*\*2.5GX" or "\*\*5GR"  
 SuggestedRemedy  
 Add an editing instruction for items "\*\*2.5GX" and "\*\*5GR"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.  
 [Editor's note: add "Change the following PCS row by adding 2.5GX and 5GX as shown below (unchanged rows not shown):"

CI 69 SC 69.1.1 P 43 L 16 # 50  
 Anslow, Pete Ciena  
 Comment Type E Comment Status D  
 Space missing in "2.5Gb/s" and comma missing in base text after "25 Gb/s" on line 17  
 SuggestedRemedy  
 change to "2.5 Gb/s" and add comma after "25 Gb/s" on line 17  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.3 P 47 L 46 # 51  
 Anslow, Pete Ciena  
 Comment Type E Comment Status D  
 Since underline is used to show the changes, this has to be a "change" editing instruction. Same issue for the second editing instruction in 73.6.4. IEEE Std 802.3by-2016 is now published. In the last editing instruction for 73.6.4, "paragraphs" should be "paragraph"  
 SuggestedRemedy  
 Change the editing instruction for 73.3 to: "Change the third paragraph of 73.3 (as modified by IEEE Std 802.3by-2016) as follows:"  
 Change the second editing instruction for 73.6.4 to: "Change the third paragraph of 73.6.4 (as modified by IEEE Std 802.3by-2016) as follows:"  
 In the last editing instruction for 73.6.4, change "paragraphs" to "paragraph"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 73 SC 73.7.4.1 P 49 L 52 # 52  
 Anslow, Pete Ciena  
 Comment Type E Comment Status D  
 Since underline is used to show the changes, this has to be a "change" editing instruction.  
 SuggestedRemedy  
 Change the editing instruction to: "Change 73.7.4.1 as follows:"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.



Cl 78 SC 78.1.1 P 53 L 19 # 54  
Anslow, Pete Ciena

Comment Type T Comment Status D

The base text says "Additionally these PCS types generate the RX\_LPI\_ACTIVE signal ..." Where "these PCS types" are the Clause 49 PCS, Clause 107 PCS, and Clause 82 PCS. Now the text has been changed to make the types specific, the Clause 107 PCS is missing from the list.

SuggestedRemedy

Add the Clause 107 PCS to the list.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 125 SC 125 P 55 L 8 # 55  
Anslow, Pete Ciena

Comment Type E Comment Status D

Clause 125 is not in IEEE Std 802.3-2015, so the reader needs some help to find it in the 9 amendments that precede 802.3cb. However, there are 9 editing instructions in Clause 125 and it is cumbersome to add "(as inserted by IEEE Std 802.3by-2016)" to all of them. This problem was encountered by the IEEE Std 802.3bm-2015 amendment of Clause 91 and the solution adopted during publication was to add: "Note that Clause 91 was introduced by IEEE Std 802.3bj-2014." before the first heading for Clause 91.

SuggestedRemedy

Add "Note that Clause 125 was introduced by IEEE Std 802.3bz-201x." above the Clause 125 heading.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 125 SC 125.2.2 P 57 L 33 # 56  
Anslow, Pete Ciena

Comment Type E Comment Status D

The editing instructions in 125.2.2 and 125.2.3 do not conform to the usual style.

SuggestedRemedy

Change the editing instruction for 125.2.2 to: "Insert the following paragraph at the end of 125.2.2:"

Change the editing instruction for 125.2.3 to: "Insert the following paragraph at the end of 125.2.3:"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 125 SC 125.3 P 58 L 10 # 57  
Anslow, Pete Ciena

Comment Type E Comment Status D

The editing instruction does not match the changes made to the table (and it should not try to describe the changes in detail).

SuggestedRemedy

Change to "Change Table 125-3 as follows:"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127 P 59 L 1 # 58  
Anslow, Pete Ciena

Comment Type E Comment Status D

There is no editing instruction for Clauses 127 to 130

SuggestedRemedy

Add a new editing instruction above the heading for Clause 127: "Insert new Clauses 127 to 130 and corresponding new Annexes 127A to 130B as follows:"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.7 P 95 L 39 # 59  
Anslow, Pete Ciena

Comment Type E Comment Status D

The publication date for P802.3cb is unknown.

SuggestedRemedy

Change "2016" to "201x" in two places each in 127.7.3.2, 128.10.2.2, 129.7.2.2, 128A.4.2.2, 128B.4.2.2, 128D.3.2.2, 130A.4.2.2, 130B.4.2.2. This should be done by changing the variable "PICS\_year" in each file in the book.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 31B SC 31B.3.7 P 155 L 35 # 60  
Anslow, Pete Ciena

Comment Type E Comment Status D

Editing instructions need improvement

*SuggestedRemedy*

Change the first editing instruction to: "Change the fifth and sixth paragraphs of 31B.3.7 (as inserted by IEEE Std 802.3bz-201x) as follows:"

Change the second editing instruction to: "Insert a new paragraph in 31B.3.7 immediately after the paragraph starting "2.5 Gb/s (using 2.5GBASE-T) " (as inserted by IEEE Std 802.3bz-201x) as follows:"

Change the third editing instruction to: "Insert a new paragraph in 31B.3.7 immediately after the paragraph starting "5 Gb/s (using 5GBASE-T) " (as inserted by IEEE Std 802.3bz-201x) as follows:"

Remove the underline from "5 Gb/s (not using 5GBASE-T) - max\_overrun = 768+ frame\_length" since the insert editing instruction does not use underline.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 31B SC 31B.4.3 P 156 L 7 # 61  
Anslow, Pete Ciena

Comment Type E Comment Status D

Inserting the two new rows as items \*MIIcc and \*MIId will result in the table no longer being in speed order as it is currently and also not showing the BASE-T variants after the others as currently.  
Similarly for 31B.4.6

*SuggestedRemedy*

Change editing instruction in 31B.4.3 to: "Insert a new row for \*MIICaa before the row for \*MIICa (as inserted by IEEE Std 802.3bz-201x) and a new row for \*MIICa1 before the row for \*MIICb (as inserted by IEEE Std 802.3bz-201x) in the table in 31B.4.3 as follows (unchanged rows not shown):"

Renumber items accordingly.

Change editing instruction in 31B.4.6 to: "Insert a new row for TIM4aa before the row for TIM4a (as inserted by IEEE Std 802.3bz-201x) and a new row for TIM4a1 before the row for TIM4b (as inserted by IEEE Std 802.3bz-201x) in the table in 31B.4.6 as follows (unchanged rows not shown):"

Renumber items accordingly.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 31B SC 31B.4.3 P 156 L 13 # 62  
Anslow, Pete Ciena

Comment Type E Comment Status D

Item TIM4c has "with PHY type other than 2.5GBASE-T" but item \*MIICc has "with PHY types of 2.5GBASE-KX".

These should be consistent with each other. The former seems preferable as a list of all other PHY types may become lengthy.

*SuggestedRemedy*

Change \*MIICc to "At operating speeds of 2.5 Gb/s with PHY types other than 2.5GBASE-T"

Change \*MIICd to "At operating speeds of 5 Gb/s with PHY types other than 5GBASE-T"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 128A SC 128A.4.2.2 P 175 L 36 # 64  
Anslow, Pete Ciena

Comment Type E Comment Status D

"Annex title" should be replaced by the annex title!

*SuggestedRemedy*

Replace "Annex title" with "2.5Gb/s Storage Enclosure Interface (2.5GSEI)"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 128A SC 128A.4.4 P 176 L 16 # 65  
Anslow, Pete Ciena

Comment Type T Comment Status D

The abbreviation "BER" stands for "bit error ratio", not "bit error rate"

*SuggestedRemedy*

Change "Bit Error Rate" to "Bit error ratio" in 128A.4.4 and 130A.4.4

Proposed Response Response Status W

PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

CI 128A SC 128A.4.4 P 176 L 16 # 66  
 Anslow, Pete Ciena

Comment Type T Comment Status D

"10E-12" is equivalent to 1E-11 and also not in the format used in 802.3.

## SuggestedRemedy

Change to "10-12" where "-12" is a superscript.  
 Make the same change in 128A.4.4.2 (2 places), 128A.4.4.4 (2 places), 130A.4.4,  
 130A.4.4.2 (2 places), 130A.4.4.4 (2 places)

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 128A SC 128A.4.4.2 P 177 L 4 # 67  
 Anslow, Pete Ciena

Comment Type E Comment Status D

[http://www.ieee802.org/3/WG\\_tools/editorial/requirements/words.html](http://www.ieee802.org/3/WG_tools/editorial/requirements/words.html) says that "The symbol 'bps' is not used, instead 'b/s' is used"

## SuggestedRemedy

Change "Gbps" to "Gb/s" in 128A.4.4.2 (2 places), 128A.4.4.4 (2 places), 130A.4.4.2 (2 places), 130A.4.4.4 (2 places)

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 130A SC 130A.4.4.3 P 220 L 19 # 68  
 Anslow, Pete Ciena

Comment Type E Comment Status D

The IEEE style manual says "A multiplication sign (×), not the letter "x" should be used for a multiply sign.

## SuggestedRemedy

Replace the "x" with a multiply sign (Ctrl-q 0).  
 Check the draft for other instances.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 130A SC 130A P 201 L 6 # 70  
 Anslow, Pete Ciena

Comment Type E Comment Status D

"5Gb/s" should be "5 Gb/s" (there is always a space between a number and its unit.)

## SuggestedRemedy

Change "5Gb/s" to "5 Gb/s" here and on page 218 lines 2 and 36

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 128C SC 128C.4.1 P 186 L 27 # 71  
 Anslow, Pete Ciena

Comment Type E Comment Status D

802.3 does not use the format 2E-5 etc.

## SuggestedRemedy

Change "2E-5" to 2 x 10<sup>-5</sup> where "x" is a multiply sign (Ctrl-q 0) and "-5" is a superscript.  
 Change the numbers in the next three rows in an equivalent way.  
 Scrub the draft for other instances of this.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI FM SC FM P 8 L 16 # 72  
 Gardner, Andrew Linear Technology

Comment Type E Comment Status D

Name for Task Force Editor-in-Chief is "FirstName SecondName."

## SuggestedRemedy

Insert correct name for Task Force Editor-in-Chief

Proposed Response Response Status W

PROPOSED ACCEPT.

[Editor's note: Daniel F. Smith added as editor in chief]

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

Cl 128A SC 128A.3.1 P 164 L 17 # 73  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The return loss value is pointing to both an insertion loss and return loss equation.  
 SuggestedRemedy  
 Change the value to "See Equation (128A-2)"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.2 P 167 L 28 # 77  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The jitter tolerance Subclause reference is incorrect  
 SuggestedRemedy  
 Change 128A.3.2.1 to 128A.3.2.3  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.1 P 164 L 7 # 74  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Units column is not wide enough for the title Units, so the "s" is on a second line.  
 SuggestedRemedy  
 Widen Units column so the whole word fits into one line.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.2 P 167 L 23 # 78  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Units column is not wide enough for the title Units, so the "s" is on a second line.  
 SuggestedRemedy  
 Widen Units column so the whole word fits into one line.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.2 P 167 L 17 # 75  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The second sentence is inconsistent with the other input characteristics sections.  
 SuggestedRemedy  
 Remove the second sentence: "The test transmitter then transmits any valid PCS output (such as scrambled idle)."  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.2.2 P 167 L 40 # 79  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Figure 128A-9 reference is incorrect.  
 SuggestedRemedy  
 Change 128A-9 to 128A-8.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.2 P 167 L 27 # 76  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The interference tolerance Subclause reference is incorrect  
 SuggestedRemedy  
 Change 128A.3.2.1 to 128A.3.2.2  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.2.3 P 168 L 52 # 80  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Figure 128A-10 reference is incorrect.  
 SuggestedRemedy  
 Change 128A-10 to 128A-9.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.3 P 171 L 7 # 82  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Units column is not wide enough for the title Units, so the "s" is on a second line.  
 SuggestedRemedy  
 Widen Units column so the whole word fits into one line.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.4.3 P 173 L 35 # 86  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Figure 128A-10 reference is incorrect.  
 SuggestedRemedy  
 Change 128A-10 to 128A-11.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.3 P 171 L 28 # 83  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Signal-to-noise-and-distortion ratio (min) Subclause reference is incorrect.  
 SuggestedRemedy  
 Change 128A.3.3.2 to 128A.3.3.3  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.1 P 202 L 3 # 87  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Figure 130A-2 reference is incorrect.  
 SuggestedRemedy  
 Change 130A-2 to 130A-3.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.3.2 P 171 L 43 # 84  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is an extra parenthesis around p(k)  
 SuggestedRemedy  
 Remove the extra parathesis. Change p(k)) to p(k).  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 7 # 89  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Units column is not wide enough for the title Units, so the "s" is on a second line.  
 SuggestedRemedy  
 Widen Units column so the whole word fits into one line.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.4 P 172 L 8 # 85  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Units column is not wide enough for the title Units, so the "s" is on a second line.  
 SuggestedRemedy  
 Widen Units column so the whole word fits into one line.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 9 # 90  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.1 to signaling rate Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

Cl 130A SC 130A.3.1 P 206 L 10 # 91  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.2 to DC CMV Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 17 # 95  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.3 to return loss Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 12 # 92  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.2 to AC CMV Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 20 # 96  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.4.2 to vf(max) Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 14 # 93  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.2 to pk-pk transmitter disabled Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 21 # 97  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.4.2 to vf(min) Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 15 # 94  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.2 to pk-pk transmitter enabled Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 21 # 98  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.4.2 linear fit pulse peak (min) Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

Cl 130A SC 130A.3.1 P 206 L 24 # 99  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.6 to all Jitter Subclause references  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 28 # 100  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is no subclause reference  
 SuggestedRemedy  
 Add 130A.3.1.7 to txsndr Subclause reference  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1 P 206 L 20 # 101  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The mV units are slightly off of the Values  
 SuggestedRemedy  
 Move the mV's down a bit  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1.4.2 P 209 L 1 # 102  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The is not a period after the 1st sentence.  
 SuggestedRemedy  
 Add a period after 130A.3.1.4.1.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.2 P 209 L 40 # 103  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Units column is not wide enough for the title Units, so the "s" is on a second line.  
 SuggestedRemedy  
 Widen Units column so the whole word fits into one line.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.2.3 P 211 L 35 # 104  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The reference to Table 130A-10  
 SuggestedRemedy  
 Change Table 130A-10 to Figure 130A-10  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.3 P 213 L 9 # 106  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Units column is not wide enough for the title Units, so the "s" is on a second line.  
 SuggestedRemedy  
 Widen Units column so the whole word fits into one line.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.3.2 P 213 L 46 # 107  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 There is an extra parenthesis around p(k)  
 SuggestedRemedy  
 Remove the extra parathesis. Change p(k)) to p(k).  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.4 P 214 L 10 # 108  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 The Units column is not wide enough for the title Units, so the "s" is on a second line.  
 SuggestedRemedy  
 Widen Units column so the whole word fits into one line.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128D SC 128D.2 P 194 L 49 # 110  
 Calbone, Anthony Seagate  
 Comment Type E Comment Status D  
 Title is incorrect  
 SuggestedRemedy  
 Change title to "Mated test fixtures"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 127B SC P 158 L 38 # 111  
 Larry, McMillan Western Digital  
 Comment Type E Comment Status D  
 Typo: "1000BASEX PCS will interpret each /Q/ ordered\_set as four // ordered set." "set"  
 should be plural not singular  
 SuggestedRemedy  
 Change to read: "1000BASEX PCS will interpret each /Q/ ordered\_set as four // ordered  
 sets." i.e. change "set" to "sets"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 127B SC P 158 L 43 # 112  
 Larry, McMillan Western Digital  
 Comment Type E Comment Status D  
 in the phrase "can detect false carrier, but these will be converted to receive error",  
 "carrier" and "error" should be plural, not singular  
 SuggestedRemedy  
 Change to read: "can detect false carriers, but these will be converted to receive errors".  
 i.e. change "carrier" to "carriers" and "error" to "errors"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 127B SC P 158 L 45 # 113  
 Larry, McMillan Western Digital  
 Comment Type E Comment Status D  
 "It is permissible for a compliant 1000BASE-X PCS transmit process to truncated the first  
 byte of preamble" is grammatically incorrect  
 SuggestedRemedy  
 Change to read: "It is permissible for a compliant 1000BASE-X PCS transmit process to  
 truncate the first byte of a preamble" i.e. change "truncated" to "truncate" and add an "a"  
 before "preamble"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128 SC 128.2 P 99 L 46 # 114  
 Bains, Amrik Cisco Systems  
 Comment Type ER Comment Status D  
 2.5GBASE-X uses 8B/10B 10 bit interface between PMA/PMD and not  
 "The PMD Service Interface supports the exchange of encoded and scrambled 64B/66B  
 blocks between the  
 PMA and PMD entities."  
 SuggestedRemedy  
 The PMD Service Interface supports the exchange of encoded 8B/10B blocks between the  
 PMA and PMD entities.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.



## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

CI 00 SC P 101 L 42 # 115  
Bains, Amrik Cisco Systems

Comment Type ER Comment Status D  
1000BASE-KX shpuld be changes to 2.5GBAS-KXE

"The 1000BASE-KX PHY receiver should put unused functional blocks into a low power state to save energy."

*SuggestedRemedy*

1000BASE-KX shpuld be changes to 2.5GBAS-KXE

"The 1000BASE-KX PHY receiver should put unused functional blocks into a low power state to save energy."

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 127A SC 127A P 157 L 6 # 116  
D'Ambrosia, John Futurewei, Subsidiary

Comment Type ER Comment Status D  
Annex127A consists of two sentences with a pointer to Annex36A. This does not help with ease of reading for the reader.

*SuggestedRemedy*

Delete Annex127A. Replace the last sentnece in second paragraph of 127.3.4. with - The patterns described in Annex 36A may be used for 2.5GBASE-X except the nominal bit rate is 2.5 times faster and any references to the GMII applies to the XGMII."

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 125 SC 125.1.4 P 57 L 23 # 117  
D'Ambrosia, John Futurewei, Subsidiary

Comment Type TR Comment Status D  
Table 125-2 notes that autonegotiation is optional for 2.5GBASE-KX, however, in 73.3 it is stated that AN shall interact with PHYs. No note was found indicating that AN is optional to implement, but shall be implemented per Clause 73 if implemented.

*SuggestedRemedy*

Change entry in table for Row 2.5GBASE-KX to indicate that Clause 73 FEC is M

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI FM SC P 1 L 18 # 120  
Maguire, Valerie Simon

Comment Type E Comment Status D  
Extraneous "." at the end of the amendment title

*SuggestedRemedy*

Delete extraneous "."

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 127 SC 127.1.2 P 60 L 16 # 121  
Trowbridge, Steve Nokia

Comment Type E Comment Status D  
The left side of the PMD box is "off" in the figure - depending on magnification, it can appear that that box is narrower than the rest of the stack, or perhaps the line width at the left is narrower than that of the rest of the boxes in the stack

*SuggestedRemedy*

Adjust the width or the box or the line width to aligne the appearance with the rest of the stack

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 00 SC 0 P 0 L 0 # 124  
Slavick, Jeff Broadcom Limited

Comment Type ER Comment Status D  
802.3by is an offiical standard

*SuggestedRemedy*

Change all the 802.3by-201x to 8023by-2016

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

Cl 78 SC 78.1.1 P 53 L 18 # 125  
 Slavick, Jeff Broadcom Limited  
 Comment Type **TR** Comment Status **D**  
 The change from "these" to a list of Clauses didn't keep the entire list.  
 SuggestedRemedy  
 Add Clause 107 to the list of Clauses can generate RX\_LPI\_ACTIVE  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl 128 SC 128.7.1.2 P 107 L 34, 3 # 127  
 Smith, Daniel Seagate  
 Comment Type **ER** Comment Status **D**  
 ReturnLoss is not consistant with other usage.  
 SuggestedRemedy  
 change to: Return\_Loss  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl 128 SC 128.7.1.5 P 108 L 31, 3 # 128  
 Smith, Daniel Seagate  
 Comment Type **ER** Comment Status **D**  
 ReturnLoss is not consistant with other usage.  
 SuggestedRemedy  
 change to: Return\_Loss  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl 128C SC 128C.4.4 P 188 L 41 # 129  
 Smith, Daniel Seagate  
 Comment Type **ER** Comment Status **D**  
 Missing parenthesis on the term: Af)  
 SuggestedRemedy  
 s/b: A(f)  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl 130A SC 130A.3.1.1 P 206 L 37 # 130  
 Smith, Daniel Seagate  
 Comment Type **ER** Comment Status **D**  
 Overbar on the decimal 193.93  
 SuggestedRemedy  
 remove the overbar  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl FM SC P 4 L 10 # 132  
 Smith, Daniel Seagate  
 Comment Type **ER** Comment Status **D**  
 spelling of the word arabic  
 SuggestedRemedy  
 Arabic not arabic  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl 127 SC 127.2.6.2.3 P 85 L 2 # 135  
 Smith, Daniel Seagate  
 Comment Type **ER** Comment Status **D**  
 effecting hysteresis  
 SuggestedRemedy  
 s/b: affecting hysteresis (affect is a verb)  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

Cl 127 SC 127.2.6.1.3 P 74 L 14 # 136  
 Smith, Daniel Seagate  
 Comment Type **ER** Comment Status **D**  
 capitalization in name  
 SuggestedRemedy  
 should read: PMD\_SIGNAL.indication(SIGNAL\_DETECT).  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

CI 127 SC 127.2.6.1.6 P 78 L 47 # 137  
 Smith, Daniel Seagate  
 Comment Type ER Comment Status D  
 capitalization in name  
 SuggestedRemedy  
 should read: PMD\_SIGNAL.indication(SIGNAL\_DETECT).  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 128 SC 128.7.2.1 P 112 L 3 # 151  
 Smith, Daniel Seagate  
 Comment Type ER Comment Status D  
 plural missing  
 SuggestedRemedy  
 should read:  
 The receiver interference tolerance consists...  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.  
 [Editor's note: I also removed the extra space before 'consist'.]

CI 00 SC 0 P 10 L 26 # 153  
 Grow, Robert RMG Consulting  
 Comment Type E Comment Status D  
 Draft uses both 201x and 20xx for yet to be approved standards and other year dates.  
 While this project is unlikely to be subject to the uncertainty of the next decade, other  
 projects getting started now face that possible uncertainty.  
 SuggestedRemedy  
 Use one form to simplify search by publication editor. I recommend 20xx as is used in  
 IEEE boilerplate.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 00 SC 0 P 3 L 1 # 158  
 Grow, Robert RMG Consulting  
 Comment Type E Comment Status D  
 Incomplete first sentence.  
 SuggestedRemedy  
 Delete the full stop and words: This amendment  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 00 SC 0 P 10 L 3 # 161  
 Grow, Robert RMG Consulting  
 Comment Type E Comment Status D  
 This box is published as part of the standard, so the self reference should be to the  
 undated year of the standard.  
 SuggestedRemedy  
 Change P802.3cb to IEEE Std 802.3cb-20xx.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 1 SC 1.4.74a6 P 26 L 46 # 167  
 Grow, Robert RMG Consulting  
 Comment Type E Comment Status D  
 5GSEI should follow 5GBASE-T inserted by IEEE Std 802.3bz-20xx.  
 SuggestedRemedy  
 Add editing instruction referencing IEEE Std 802.3bz-20xx and renumber 5GSEI to 1.4.74c.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 127 SC 127.6 P 94 L 43 # 172  
 Hidaka, Yasuo Fujitsu Lab of America  
 Comment Type E Comment Status D  
 Clause 71.8 is interconnect characteristics. Clause 71.9 is environment specifications.  
 SuggestedRemedy  
 Change the reference to 71.8 with a reference to 71.9.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

CI 128 SC 128.7.1.2 P 107 L 30 # 177  
 Hidaka, Yasuo Fujitsu Lab of America  
 Comment Type E Comment Status D  
 "f" is not italic face.  
 SuggestedRemedy  
 Make "f" italic face.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 128 SC 128.7.1.5 P 109 L 21 # 179  
 Hidaka, Yasuo Fujitsu Lab of America  
 Comment Type E Comment Status D  
 Equation 128-3 specifies the return loss from 100MHz, whereas Figure 128-4 specifies the return loss from 10MHz.  
 SuggestedRemedy  
 Change Figure 128-4 frequency to start from 100MHz.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 128 SC 128.7.1.7 P 110 L 29 # 180  
 Hidaka, Yasuo Fujitsu Lab of America  
 Comment Type E Comment Status D  
 Here, a reference to 128B.1 is made, but there is not high-frequency test pattern in 128B.1.  
 The high-frequency test pattern is defined in 36A.1.  
 SuggestedRemedy  
 Change the reference to 128B.1 with a reference to 36A.1.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 128 SC 128.7.2.5 P 113 L 3 # 183  
 Hidaka, Yasuo Fujitsu Lab of America  
 Comment Type E Comment Status D  
 "f" is not italic face.  
 SuggestedRemedy  
 Make "f" italic face.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 128 SC 128.10.3 P 115 L 28 # 186  
 Hidaka, Yasuo Fujitsu Lab of America  
 Comment Type E Comment Status D  
 TD is mandatory if EEE is supported.  
 SuggestedRemedy  
 Change "No []" with "N/A []" in the support column for TD.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 129 SC 129.1.3 P 120 L 15 # 187  
 Hidaka, Yasuo Fujitsu Lab of America  
 Comment Type E Comment Status D  
 5GBASE-X PCS in Figure 129-1.  
 SuggestedRemedy  
 Change "5GBASE-X PCS" with "5GBASE-R PCS".  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.  
 [Editor's note: duplicate of #308]

CI 128A SC 128A.3.2.3 P 168 L 52 # 200  
 Hidaka, Yasuo Fujitsu Lab of America  
 Comment Type E Comment Status D  
 Table 128A-10 is applied peak-to-peak sinusoidal jitter.  
 SuggestedRemedy  
 Change the reference to Figure 128A-10.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

**CI 45** SC **45.2.3.7a** P **35** L **21** # **202**  
 Lusted, Kent Intel  
 Comment Type **ER** Comment Status **D**  
 table 45-125a entries for bits 3.21.8 and 3.21.7 are not underlined (per IEEE style guide) to indicate insertions per editing instructions  
 SuggestedRemedy  
 Underline as necessary  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

**CI 128** SC **128.7.1.10** P **111** L **7** # **204**  
 Lusted, Kent Intel  
 Comment Type **ER** Comment Status **D**  
 Figure 128-6 has a shadowing feature enabled that reduces readability.  
 SuggestedRemedy  
 Remove shadowing.  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

**CI 130** SC **130.7.1.11** P **145** L **29** # **206**  
 Lusted, Kent Intel  
 Comment Type **ER** Comment Status **D**  
 Figure 130-7 has a shadowing feature enabled that reduces readability.  
 SuggestedRemedy  
 Remove shadowing.  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

**CI 130** SC **130.7.1.7** P **144** L **30** # **209**  
 Lusted, Kent Intel  
 Comment Type **TR** Comment Status **D**  
 The rising and falling transition times requirement references v1 and v4. v4 is the pre-emphasis point. v3 is the negative waveform level.  
 SuggestedRemedy  
 change "v4" to "v3"  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

**CI 1** SC **1.4** P **26** L **40** # **211**  
 Lusted, Kent Intel  
 Comment Type **TR** Comment Status **D**  
 the definition for 5GBASE-R incorrectly references 10GBASE-R.  
 SuggestedRemedy  
 Consider changing "10GBASE-R" to "5GBASE-R" in 1.4.74a4  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

**CI 45** SC **45.2.3.7a** P **35** L **21** # **213**  
 Lusted, Kent Intel  
 Comment Type **ER** Comment Status **D**  
 table 45-124a entries for bits 3.9.2 and 3.9.3 are not underlined (per IEEE style guide) to indicate insertions per editing instructions  
 SuggestedRemedy  
 Underline as necessary  
 Proposed Response Response Status **W**  
 PROPOSED ACCEPT.

CI 73 SC 73.3 P 47 L 46 # 215  
Marris, Arthur Cadence Design Syst

Comment Type E Comment Status D  
Editorial instruction should be change rather than insert

*SuggestedRemedy*

Add text "Change third paragreaph as follows" or something similar.

Also fix in 73.6.4 and 73.7.4.1

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 127 SC 127.2.4.2 P 65 L 1 # 219  
McClellan, Brett Marvell

Comment Type E Comment Status D  
in table 127-1 the abbreviation for Normal Interframe is shown as "IDLE", not "Idle" as used in table 127-3 in the 2.5GPPII Columns

*SuggestedRemedy*

Change "Idle" to "IDLE" in the 2.5GPPII Columns

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 127 SC 127.2.4.2 P 65 L 29 # 220  
McClellan, Brett Marvell

Comment Type E Comment Status D  
following the notation of Clause 48, a sequence ordered set is noted as ||Q||, not |Q|. also line 30 missing comma after Seq also line 54, should |W| be /W/ instead?

*SuggestedRemedy*

line 29 change |Q| to ||Q||  
line 30 change "Seq, Data S0, Seq Data S1," to "Seq, Data S0, Seq, Data S1,"  
line 54 change |W| to /W/.

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 127 SC 127.2.4.4 P 66 L 28 # 222  
McClellan, Brett Marvell

Comment Type E Comment Status D  
following the notation of Clause 48, a sequence ordered set is noted as ||Q||, not |Q|, a Signal ordered set is noted as ||Fsig||, not |Fsig|

*SuggestedRemedy*

Change |Q| to ||Q|| and |Fsig| to ||Fsig||

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 127 SC 127.2.4.5 P 67 L 12 # 223  
McClellan, Brett Marvell

Comment Type E Comment Status D  
in table 127-2 the abbreviation for Normal Interframe is shown as "IDLE", not "Idle" as used in table 127-4 in the 2.5GPPII Columns

*SuggestedRemedy*

Change "Idle" to "IDLE" in the 2.5GPPII Columns

Proposed Response Response Status W  
PROPOSED ACCEPT.

CI 127 SC 127.2.4.5 P 67 L 30 # 226  
McClellan, Brett Marvell

Comment Type T Comment Status D  
transition from DATA to LPI should not be allowed, should pass through ERR first

*SuggestedRemedy*

line 30 and line 33 change X in 5th column to !DATA

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

CI 127 SC 127.2.4.5 P 67 L 35 # 227  
 McClellan, Brett Marvell  
 Comment Type T Comment Status D  
 transition from DATA to Sequence should not be allowed, should pass through ERR first  
 SuggestedRemedy  
 line 35 and line 37 change X in 5th column to !DATA  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 127 SC 127.2.5.6 P 69 L 41 # 228  
 McClellan, Brett Marvell  
 Comment Type E Comment Status D  
 move "/" after the line break  
 SuggestedRemedy  
 page 69 line 41 move "/" after the line break  
 also page 71 line 5 move '/' after the line break  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 127 SC 127.2.6.1.2 P 72 L 18 # 229  
 McClellan, Brett Marvell  
 Comment Type T Comment Status D  
 /PL\_LIMIT/ is a number not a set  
 SuggestedRemedy  
 change to PL\_LIMIT  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 127 SC 127.2.6.1.4 P 77 L 18 # 233  
 McClellan, Brett Marvell  
 Comment Type E Comment Status D  
 "Signal\_detectCHANGE" is not capitalized.  
 SuggestedRemedy  
 change "Signal\_detectCHANGE" to "signal\_detectCHANGE"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 1 SC 1.5 P 27 L 6 # 243  
 Baden, Eric Broadcom Limited  
 Comment Type ER Comment Status D  
 2.5GSEI line is missing period (".") at the end of sentence. Also 5GSEI  
 SuggestedRemedy  
 Fix them  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.3.7.a P 35 L 49 # 244  
 Baden, Eric Broadcom Limited  
 Comment Type E Comment Status D  
 Two issues -- first issue: formatting - 45.2.3.7a refers to Table 45-124a, but Table 45-123 is placed between the edit instruction and the referred table.  
 SuggestedRemedy  
 1) move Table 45-123 before 45.2.3.7a  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 45 SC 45.2.3.7.a P 36 L 23 # 245  
 Baden, Eric Broadcom Limited  
 Comment Type E Comment Status D  
 Second issue: Edit instruction says "insert" but the Table 45-124a shows five rows, four without any revision marks. BTW revision marks are not allowed for "insert" instruction.  
 SuggestedRemedy  
 Change the edit instruction to "modify", and note inserted lines 3.9.3 and 3.9.2.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128 SC 128.1 P 99 L 9 # 248  
Healey, Adam Broadcom Ltd.

Comment Type E Comment Status D

Clause 45 is not an external cross-reference since it is amended in this draft.

*SuggestedRemedy*

Make this a live cross-reference to Clause 45 and change the font color to black.

Proposed Response Response Status W

PROPOSED ACCEPT.

[Editor's note: this will show as green until the change markings are removed. Then it will be black.]

Cl 128 SC 128.8 P 113 L 10 # 250  
Healey, Adam Broadcom Ltd.

Comment Type ER Comment Status D

The interconnect requirements are defined in Annex 128C.

*SuggestedRemedy*

Correct the reference.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 130 SC 130.1 P 133 L 9 # 251  
Healey, Adam Broadcom Ltd.

Comment Type E Comment Status D

Clause 45 is not an external cross-reference since it is amended in this draft.

*SuggestedRemedy*

Make this a live cross-reference to Clause 45 and change the font color to black.

Proposed Response Response Status W

PROPOSED ACCEPT.

[Editor's note: will show as green until change markings are removed, then it will be black.]

Cl 128A SC 128A.1 P 159 L 13 # 255  
Healey, Adam Broadcom Ltd.

Comment Type TR Comment Status D

Since this is an Annex to Clause 128, it seems reasonable to assume that transmitters and receivers that satisfy the Clause 128 requirements are suitable for this application. If this is the case, then it seems TP0D-H and TP0H-D should be equivalent to TP1 in Clause 128, and TP5D-H and TP5H-D should be equivalent to TP4 in Clause 128. If so, then it seems that channel between TP0D-H and TP5H-D (or TP0H-D and TP5D-H) is simply a specific partitioning of the generic channel described in Annex 128C. If all of this is correct, then it seems that the text and/or test point definitions should be modified to make this clear. If it is not correct, then the relationship between this interface and clause it is associated with is unclear. Is this Annex defining a completely different PMD?

*SuggestedRemedy*

Clarify the relationship between a 2.5GBASE-KX PMD and the 2.5GSEI.

Proposed Response Response Status W

PROPOSED ACCEPT.

[Editor's note: the commenter agreed to change the paragraph as follows, by adding this before the last sentence:

The compliance point definitions provide a unique partitioning of the channel defined in Annex 128C, such that the test points TP0D-H and TP0H-D defined in this Annex are equivalent to TP1 defined in Annex 128C, and TP5D-H and TP5H-D defined in this Annex are equivalent to TP4 defined in Annex 128C.  
]

Cl 128A SC 128A.3.1.4.2 P 166 L 40 # 259  
Healey, Adam Broadcom Ltd.

Comment Type T Comment Status D

Table 128A.3.1 already states that "A 2.5GSEI host output shall meet the specifications defined in Table 128A-1 if measured at TP4H-D" and Table 128A-1 includes the parameters defined in this subclause. It is not necessary to state the requirements again.

*SuggestedRemedy*

Remove the last two sentences from this subclause. Note similar issues in 128A.3.1.6, 128A.3.1.7, 128A.3.3.2, and 128A.3.3.3.

Proposed Response Response Status W

PROPOSED ACCEPT.



## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

**Cl 128A** SC **128A.2** P **163** L **17** # **264**  
 Healey, Adam Broadcom Ltd.

**Comment Type** TR **Comment Status** D

In the second part of the figure, it seems the test point at the PMD receiver function should be TP5H-D. the test point at the connection interface should be TP4H-D, the "Tx PCB" should be "Rx PCB", and the AC coupling capacitors shown between the TP4 and TP5.

**SuggestedRemedy**  
 Modify the figure per the comment.

**Proposed Response** **Response Status** W  
 PROPOSED ACCEPT.

**Cl 130A** SC **130A.2** P **205** L **20** # **265**  
 Healey, Adam Broadcom Ltd.

**Comment Type** TR **Comment Status** D

In the second part of the figure, it seems the test point at the PMD receiver function should be TP5H-D. the test point at the connection interface should be TP4H-D, the "Tx PCB" should be "Rx PCB", and the AC coupling capacitors shown between the TP4 and TP5.

**SuggestedRemedy**  
 Modify the figure per the comment.

**Proposed Response** **Response Status** W  
 PROPOSED ACCEPT.

**Cl 130** SC **130.8** P **148** L **10** # **271**  
 Healey, Adam Broadcom Ltd.

**Comment Type** TR **Comment Status** D

The interconnect characteristics are not defined in Annex 130B.

**SuggestedRemedy**  
 Change the reference to Annex 128C.

**Proposed Response** **Response Status** W  
 PROPOSED ACCEPT.

**Cl 128C** SC **128C.4.4** P **188** L **46** # **274**  
 Healey, Adam Broadcom Ltd.

**Comment Type** TR **Comment Status** D

Equations (128C-9) and (128C-10) are incorrect.

**SuggestedRemedy**  
 Change " $0.7^{(-9)}$ " to " $0.7 \times 10^{(-9)}$ " in both cases.

**Proposed Response** **Response Status** W  
 PROPOSED ACCEPT.

**Cl 1** SC **1.4** P **26** L **53** # **276**  
 Donahue, Curtis UNH-IOL

**Comment Type** E **Comment Status** D

"...Clause 49 or Clause 82, Clause 107, or Clause 129."

**SuggestedRemedy**  
 Remove the first "or" and add a "," so the sentence reads "...Clause 49, Clause 82, Clause 107, or Clause 129."

**Proposed Response** **Response Status** W  
 PROPOSED ACCEPT.

**Cl 127** SC **127.1.1** P **59** L **10** # **278**  
 Donahue, Curtis UNH-IOL

**Comment Type** E **Comment Status** D

"2.5Gb/s"

**SuggestedRemedy**  
 Change to "2.5 Gb/s"

**Proposed Response** **Response Status** W  
 PROPOSED ACCEPT.

Cl 127 SC 127.1.1 P 59 L 15 # 279  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D

"(may include MDI)". This language seems odd, would you ever not include the MDI?  
Clause 36 (1000BASE-X PCS) is very similar to this paragraph but says "(including MDI)".

*SuggestedRemedy*

Change "(may include MDI)" to "(including MDI)".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.1.3.1 P 60 L 43 # 280  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D

This sentence has some typos.

*SuggestedRemedy*

Remove extra "." and make "Encoding" lowercase. Should read "... PHY implementations.  
The 2.5GBASE-X PCS provides all services required by the XGMII including encoding  
(decoding) of the XGMII ..."

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.2.4.1 P 63 L 38 # 281  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D

Subclause title is "2.5Gb/s PCS Internal Interface (2.5GP11)". Should be a space in  
"2.5Gb/s".

*SuggestedRemedy*

Change to "2.5 Gb/s PCS Internal Interface (2.5GP11)".

Also, "2.5Gb/s" in first sentence of the following paragraph, change that as well.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.2.4.2 P 65 L 31 # 282  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D

In this paragraph there are 2 instances of "Sequence" (capital "S") when it should be  
"sequence" (lowercase "s"). Changing these to lowercase would also make them  
consistant with other instances in this subclause.

*SuggestedRemedy*

Page 65, line 31 & Page 65, line 32: Change "Sequence" to "sequence".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.2.4.2 P 65 L 35 # 283  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D

"24 bit" should be "24-bit".

*SuggestedRemedy*

Change to "24-bit".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 127 SC 127.2.4.4 P 66 L 31 # 284  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D

"2.5GM11" should be "2.5GP11".

*SuggestedRemedy*

Change to "2.5GP11".

Proposed Response Response Status W

PROPOSED ACCEPT.



## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

Cl 128 SC 128.7.1.2 P 107 L 31 # 293  
 Donahue, Curtis UNH-IOL  
 Comment Type E Comment Status D  
 "The differential The differential return loss,"  
 SuggestedRemedy  
 Change to "The differential return loss,"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128 SC 128.7.1.4 P 108 L 6 # 294  
 Donahue, Curtis UNH-IOL  
 Comment Type E Comment Status D  
 In Figure 128-3, it says "SL<p> - SLn<n>".  
 SuggestedRemedy  
 Change to "SL<p> - SL<n>".  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128 SC 128.7.1.6 P 109 L 42 # 295  
 Donahue, Curtis UNH-IOL  
 Comment Type E Comment Status D  
 "The minimum differential return loss is shown in Figure 128-5". Should be "The minimum common-mode output return loss is shown in Figure 128-5". Also the title to Figure 128-5 is wrong.  
 SuggestedRemedy  
 1) Change "The minimum differential return loss is shown in Figure 128-5" to "The minimum common-mode output return loss is shown in Figure 128-5".  
 2) Change the title of Figure 128-5 to "Trasmitter common-mode return loss".  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.  
 [Editor's note: duplicate of #1, but without the '-' before "mode"]

Cl 128 SC 128.7.1.9 P 110 L 46 # 296  
 Donahue, Curtis UNH-IOL  
 Comment Type E Comment Status D  
 Typos. "C" in "Component" and "peak-to-peaks".  
 SuggestedRemedy  
 Change sentence to "... deterministic component of 0.15 UI peak-to-peak and a ..."  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.1.2 P 165 L 6 # 298  
 Donahue, Curtis UNH-IOL  
 Comment Type E Comment Status D  
 In Figure 128A-6 there are two instances of "SL<p>". One of them should be "SL<n>". Same things appears in Figure 120A-6 in 130A.3.1.2.  
 SuggestedRemedy  
 Change one of the "SL<p>" to "SL<n>" in Figure 128A-6 and 130A-6.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128A SC 128A.3.1.5 P 166 L 49 # 299  
 Donahue, Curtis UNH-IOL  
 Comment Type E Comment Status D  
 "5"  
 SuggestedRemedy  
 Change to "five".  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 128B SC 128B.3 P 181 L 40 # 302  
 Donahue, Curtis UNH-IOL  
 Comment Type E Comment Status D  
 Looks like this sentence is missing a subclause reference, "in for 2.5GBASE-KX".  
 SuggestedRemedy  
 Change to "in 128.7.2.1 for 2.5GBASE-KX."  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

Cl 128C SC 128C.3 P 185 L 50 # 303  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
"100 (Ohm)+/- 10%".

*SuggestedRemedy*

Add space so the text reads "100 (Ohm) +/- 10%".

Note: Use Ohm symbol.

Proposed Response Response Status W  
PROPOSED ACCEPT.

Cl 128C SC 128C.4.1 P 186 L 24 # 304  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
Top two rows of Table 128C-1 list parameters "F max" and "F min". Should be "f\_max" and "f\_min" where "\_" represents subscript text.

*SuggestedRemedy*

Change to "f\_max" and "f\_min".

Proposed Response Response Status W  
PROPOSED ACCEPT.

Cl 128C SC 128C.4.6.1 P 190 L 34 # 305  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
Missing "(" in "PSNEXT)".

*SuggestedRemedy*

Change to "(PSNEXT)".

Proposed Response Response Status W  
PROPOSED ACCEPT.

Cl 129 SC 129.1.3 P 120 L 16 # 308  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
"5GBASE-X PCS". Should be "5GBASE-R PCS".

*SuggestedRemedy*

Change to "5GBASE-R PCS"

Proposed Response Response Status W  
PROPOSED ACCEPT.  
[Editor's note: duplicate of #187]

Cl 129 SC 129.1.4 P 121 L 17 # 309  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
There seems to be an inconsistency between "5GBASE-R PMD" and "5GBASE-KR PMD", previously in the draft I only saw "5GBASE-KR PMD". Should be consistent throughout the draft.

*SuggestedRemedy*

Change all instances of "5GBASE-R PMD" to "5GBASE-KR PMD". I see "5GBASE-R PMD" in the following places.

Page 121, Line 17  
Page 125, Line 5  
Page 134, Line 24

Proposed Response Response Status W  
PROPOSED ACCEPT.

Cl 129 SC 129.3.2.2 P 125 L 39 # 310  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
This paragraph has 3 instances of "sixteen". The IEEE style manual states the numbers less than 10 should be spelled out. To be consistent with other text in this draft and the 802.3 std, change "sixteen" to "16".

*SuggestedRemedy*

Change all instances of "sixteen" to "16".

Proposed Response Response Status W  
PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

Cl 129 SC 129.5 P 126 L 10 # 311  
 Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
 "BT" is used in this paragraph to abbreviate "bit-times". But this is the only instance of "BT" I found in the draft. Should be consistent throughout draft.

SuggestedRemedy  
 Change "BT" to "bit-times"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 129 SC 129.7.3 P 128 L 14 # 312  
 Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
 "PCS" is used in the Value column of rows 3 and 4. Two major capabilities should not use the same name.

SuggestedRemedy  
 Change the "PCS" in row 4 to "BER".

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130 SC 130.6.4 P 138 L 3 # 314  
 Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
 "Global PMD signal detect function" should be "Global\_PMD\_signal\_detect function"

SuggestedRemedy  
 Change to "Global\_PMD\_signal\_detect function".

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130 SC 130.7.1.4 P 142 L 5 # 315  
 Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
 In Figure 130-3, "SL<p> - SLn<n>".

SuggestedRemedy  
 Change to "SL<p> - SL<n>".

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130A SC P 201 L 6 # 318  
 Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
 Annex title is "5Gb/s Storage Enclosure Interface".

"5Gb/s" in 130A.4 title too.

SuggestedRemedy  
 Change "5Gb/s" to "5 Gb/s" in both titles.

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 130B SC 130B.1 P 221 L 17 # 320  
 Donahue, Curtis UNH-IOL

Comment Type E Comment Status D  
 "Channel".

SuggestedRemedy  
 Change to "channel" (lowercase). Also in 128B.1.

Proposed Response Response Status W  
 PROPOSED ACCEPT.

## IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Initial Working Group ballot comments

D2p0

**Cl 130B** SC **130B.2.2** P **222** L **35** # **321**  
 Donahue, Curtis UNH-IOL

**Comment Type E** **Comment Status D**  
 "ILTC" should be "IL\_TC" where "\_" represents subscript text.

Also in 128B.2.2.

**SuggestedRemedy**  
 Change "ILTC" to IL\_TC" in both locations.

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**Cl 130B** SC **130B.3** P **223** L **38** # **322**  
 Donahue, Curtis UNH-IOL

**Comment Type E** **Comment Status D**  
 "2.5GBASE-KX" should be "5GBASE-KR".

**SuggestedRemedy**  
 Change to "5GBASE-KR"

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**Cl 130B** SC **130B.3** P **223** L **43** # **323**  
 Donahue, Curtis UNH-IOL

**Comment Type E** **Comment Status D**  
 Looks like this sentence is missing a subclause reference, "in for 5GBASE-KR".

**SuggestedRemedy**  
 Change to "in 130.7.2.1 for 5GBASE-KR."

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**Cl 31B** SC **31B.4.6** P **156** L **28** # **325**  
 Donahue, Curtis UNH-IOL

**Comment Type E** **Comment Status D**  
 Rows are missing divider.

**SuggestedRemedy**  
 Add divider between rows.

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**Cl 45** SC **45.2.7.14aa** P **39** L **25** # **326**  
 Donahue, Curtis UNH-IOL

**Comment Type E** **Comment Status D**  
 In the description column of the third row in Table 45-211aa, "2.5GBASE-KR". This should be "2.5GBASE-KX".

**SuggestedRemedy**  
 Change to "2.5GBASE-KX".

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**Cl 45** SC **45.5.3.1** P **41** L **28** # **327**  
 Donahue, Curtis UNH-IOL

**Comment Type E** **Comment Status D**  
 In the status column, one of the values is "5GKX:M". This should be "5GKR:M".

**SuggestedRemedy**  
 Change to "5GKR:M".

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

**Cl 69** SC **69.1.1** P **43** L **16** # **328**  
 Donahue, Curtis UNH-IOL

**Comment Type E** **Comment Status D**  
 "...1000 Mb/s, 2.5Gb/s, 5 Gb/s, 10 Gb/s,..." There should be a space in "2.5Gb/s".

**SuggestedRemedy**  
 Change to "2.5 Gb/s".

**Proposed Response** **Response Status W**  
 PROPOSED ACCEPT.

CI 73 SC 73.2 P 47 L 33 # 329  
Donahue, Curtis UNH-IOL

Comment Type E Comment Status D

In Figure 73-1, just under the MEDIUM symbol it says "1 Gb/s, 2.5Gb/s, 5Gb/s, 10 Gb/s, 25Gb/s, 40 Gb/s or 100 Gb/s". Should read "1 Gb/s, 2.5 Gb/s, 5 Gb/s, 10 Gb/s, 25 Gb/s, 40 Gb/s or 100 Gb/s".

*SuggestedRemedy*

Add spaces so it reads "1 Gb/s, 2.5 Gb/s, 5 Gb/s, 10 Gb/s, 25 Gb/s, 40 Gb/s or 100 Gb/s".

Note: The "25Gb/s" was added to this diagram by P802.3by but in that draft it is properly inserted as "25 Gb/s".

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.1.3 P 74 L 24 # 337  
Law, David HPE

Comment Type T Comment Status D

Subclause 127.2.6.1.3 'Variables' states that 'The equation for this parameter is  $\text{sync\_status} = \text{code\_sync\_status} + \text{rx\_lpi\_active}$ .' While  $\text{rx\_lpi\_active}$  is a Boolean (see page 76, line 18),  $\text{code\_sync\_status}$  is not, instead the values for the  $\text{code\_sync\_status}$  parameter are 'FAIL' and 'OK' (see page 76, line 10). Further it is stated that The values of the parameter are defined for  $\text{code\_sync\_status}$ .'

As a result the above the output of this equation is defined as parameter with the value of either 'FAIL' or 'OK' based on a OR of a Boolean and a parameter with the value of either 'FAIL' or 'OK'. It however isn't clearly defined how the parameter values 'FAIL' and 'OK' should be mapped to Boolean values for input to, and output from, the OR operation.

*SuggestedRemedy*

Suggest that text 'Where the parameter value 'OK' maps to the Boolean value 'TRUE' and 'FAIL' maps to the Boolean value 'FALSE'.' be added after the equation.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.1.3 P 75 L 16 # 339  
Law, David HPE

Comment Type T Comment Status D

I believe that running disparity is described in subclause 36.2.4.4 'Running disparity rules' of IEEE Std 802.3-2015, not subclause 36.2.4.3 which I believe is 'Valid and invalid code-groups'.

*SuggestedRemedy*

Suggest that 'Running disparity is described in 36.2.4.3.' be changed to read 'Running disparity is described in 36.2.4.4.'

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.2.1 P 81 L 43 # 343  
Law, David HPE

Comment Type T Comment Status D

In Figure 127-4 'PCS Word Encode and Word-to-Octets state diagram' suggest that 'tx\_even\_FALSE' should read 'tx\_even=FALSE' on the exit from state TX\_2.5GP11\_3.

*SuggestedRemedy*

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.2.2 P 83 L 26 # 346  
Law, David HPE

Comment Type E Comment Status D

The 'else' in the states should be uppercase, see the last entry in IEEE Std 802.3-2015 Table 21-1. Suggest that the 'If' and 'then' should also be UPPERCASE. See IEEE Std 802.3-215 Figure 48-7 for example of this formatting.

Suggest similar formatting for state diagram function definition pseudo code that uses the same construct on page 77, line 28.

*SuggestedRemedy*

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.



CI 127 SC 127.2.6.2.3 P 85 L 5 # 347  
Law, David HPE

Comment Type T Comment Status D

It is states that 'For EEE capability the relationship between sync\_status and code\_sync\_status is given by Figure 127-8c; otherwise sync\_status is identical to code\_sync\_status.'. I don't see the relationship between sync\_status and code\_sync\_status given in Figure 127-8c, in fact I don't see sync\_status used in Figure 127-8c, only code\_sync\_status is used.

SuggestedRemedy

Suggest that 'For EEE capability the relationship between sync\_status and code\_sync\_status is given by Figure 127-8c; otherwise sync\_status is identical to code\_sync\_status.' be changed to read 'For EEE capability the relationship between sync\_status and code\_sync\_status is given by the definition of the sync\_status variable in 127.2.6.1.3; otherwise sync\_status is identical to code\_sync\_status.'

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.2.4 P 86 L 5 # 348  
Law, David HPE

Comment Type T Comment Status D

In Figure 127-8a 'PCS receive state diagram, part a' suggest that 'rx\_lpi\_active <= FALSE;' should read 'rx\_lpi\_active <= FALSE' in the LINK\_FAILED state.

SuggestedRemedy

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.2.4 P 86 L 5 # 349  
Law, David HPE

Comment Type E Comment Status D

In Figure 127-8a 'PCS receive state diagram, part a' suggest that in the state 'LINK\_FAILED' the spurious ';' at the end of the first two assignments, and the spurious '.' at the end of the third, be deleted.

SuggestedRemedy

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.2.4 P 86 L 11 # 350  
Law, David HPE

Comment Type E Comment Status D

In Figure 127-8a 'PCS receive state diagram, part a' suggest that in the state 'WAIT\_FOR\_K' the spurious ';' at the end of the first assignments and the spurious '.' at the end of the second, be deleted.

SuggestedRemedy

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.2.4 P 86 L 19 # 351  
Law, David HPE

Comment Type T Comment Status D

In Figure 127-8a 'PCS receive state diagram, part a' suggest that 'rp\_dv <= 0;' should read 'rp\_dv <= 0' in the RX\_K state.

SuggestedRemedy

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 127 SC 127.2.6.2.4 P 86 L 29 # 352  
Law, David HPE

Comment Type T Comment Status D

In Figure 127-8a 'PCS receive state diagram, part a' suggest that 'rp\_dv <= 0;' should read 'rp\_dv <= 0' in the IDLE\_D state.

SuggestedRemedy

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 127 SC 127.7.5.4 P 97 L 48 # 354  
Law, David HPE

Comment Type E Comment Status D

In item PMA1 suggest that '... of tx\_code\_group' should read '... of tx\_code-group' .

SuggestedRemedy

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 129 SC 129.7.6.6 P 131 L 25 # 355  
Law, David HPE

Comment Type E Comment Status D

Suggest we don't use dashes in PICS item designation.

SuggestedRemedy

Suggest that the item designations LP-0X be changed to read 'LPX'.

Proposed Response Response Status W

PROPOSED ACCEPT.