Please configure project comments

Cl **125**   *SC* **125.1.4**   *P* **61**   *L* **23**   # 1

Zimmerman, George   CME Consulting, Inc.

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

Vertical lines are overly thick in header section for clauses 127 through 130A

SuggestedRemedy

Apply appropriate very thin line style between clause 126 through 130A columns

Response   *Response Status* **C**

ACCEPT.

Cl **125**   *SC* **125.1.3**   *P* **60**   *L* **40**   # 2

Zimmerman, George   CME Consulting, Inc.

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

Editing instruction for table 125-1 appears to float randomly about the draft - beat on frame to tie it to where Table 125-1 ends up or it will cause confusion (yes, this is out of scope, but will prevent confusion later)

SuggestedRemedy

See comment.

Response   *Response Status* **C**

ACCEPT.

Cl **127**   *SC* **127.2.5.7**   *P* **76**   *L* **18**   # 3

Zimmerman, George   CME Consulting, Inc.

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

suppliedon - typo, missing space

SuggestedRemedy

change to "supplied on"

Response   *Response Status* **C**

ACCEPT.

(Same as Comment #122)

Cl **127**   *SC* **127.2.6.1.2**   *P* **78**   *L* **13**   # 4

Zimmerman, George   CME Consulting, Inc.

Comment Type **TR**   *Comment Status* **A**

127.2.5.11 doesn't specify anything about "part 2" or "part 3" of the End_of_Packet delimiter - it delineates no "parts" - also applies to line 19.

SuggestedRemedy

Change "End_of_Packet delimiter part 2 or End_of_Packet delimiter part 3" to "the second or third code-group in an End_of_Packet delimiter" on line 13, and change "End_of_Packet delimiter part 1" to "the first code-group in an End_of_Packet delimiter" on line 19.

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Replace definition with:
"The code-group used for the second and, if present, the third code-group in an End_of_Packet delimiter as specified in 127.2.5.11."

Also make the suggested change to the /T/ definition on line 19 as:
"The code-group used for the first code group in the End_of_Packet delimiter as specified in 127.2.5.11."

Cl **127**   *SC* **127.2.6.1.4**   *P* **83**   *L* **18**   # 5

Zimmerman, George   CME Consulting, Inc.

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

"variabletx_disparity" - typo, missing space

SuggestedRemedy

change to "variable tx_disparity"

Response   *Response Status* **C**

ACCEPT.

Cl **127**   *SC* **127.2.6.2.3**   *P* **90**   *L* **33**   # 6

Zimmerman, George   CME Consulting, Inc.

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

"bythe" - typo, missing space

SuggestedRemedy

change to "by the"

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **6**

Page 1 of 28
1/27/2017 7:13:41 PM

Cl **FM** *SC* **FM** *P* **12** *L* **18** # 7

Zimmerman, George CME Consulting, Inc.

Comment Type **E** *Comment Status* **R**

It is unlikely bs, which is more complex and at the same stage as this standard will be approved prior to 802.3cb. Is this standard written to assume bs comes first? (other places leave out bs)

SuggestedRemedy

Please be consistent on which amendments are expected to precede this one. Consult 802.3 leadership on likely order and monitor the several standards in working group ballot.

Response *Response Status* **C**

REJECT.

This draft assumes 802.3bs project still gets finished before 802.3cb and/or in parallel, and being consistent.

The current text is consistent with the schedule of the two groups. We will continue to monitor the schedule of 802.3bs and make appropriate changes as needed.

Cl **1** *SC* **1** *P* **28** *L* **4** # 8

Zimmerman, George CME Consulting, Inc.

Comment Type **ER** *Comment Status* **A**

Editor's note (and subsequent editor's notes) list a large number of amendments, many of which are already published. If there is resolution of the clause to be done, it should be done already. Having already approved amendments hanging around in notes as though they are undecided muddies the issues and makes review more difficult. (THIS COMMENT APPLIES GLOBALLY, BUT THIS IS THE FIRST INSTANCE I FOUND)

SuggestedRemedy

Delete approved amendments or those in late stages of sponsor ballot from th list of amendments needing consideration on update. Perform any needed updates relevant to already approved amendments or amendments in later stages of sponsor ballot - it is clear these will be before cb.

Response *Response Status* **W**

ACCEPT IN PRINCIPLE.

Delete all approved amendments from the editors note here and all other instances in changed clauses (pages 28, 31, 33, 49, and 57). Editor's note on Pg 45 (CL69), Pg 163 (CL69A), Pg 51 (CL73) to be deleted (and not modified - comment 47, 54 & 48 resolutions). As of 01/12/2017, 802.3bv (amendment 9) is not yet approved by revcom. 802.3bu and prior are all approved.

So it should read:
"The editing instruction needs to be updated once the approval order of the various amendments and corrigenda (e.g. IEEE Std 802.3bv-20xx, IEEE Std 802.3bt-20xx, IEEE Std 802.3bs-20xx, and IEEE Std 802.3-2015-Cor_1) become settled."

Per the second part of the suggested remedy, "Perform any needed updates relevant to already approved amendments or amendments in later stages of sponsor ballot - it is clear these will be before cb.", we have already performed the needed synchronization with the existing drafts and approved amendments and continue to monitor.

Cl **30** *SC* **30.5.1.1.2** *P* **32** *L* **9** # 9

Zimmerman, George CME Consulting, Inc.

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

Doesn't 2.5GBASE-KX come before 2.5GBASE-T?

SuggestedRemedy

Split editing instructions (similar to 30.3.2.1.2) to show that 2.5GBASE-KX both come before the inserted BASE-T and 2.5GBASE-X comes after it.

Response *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **9**

Page 2 of 28
1/27/2017 7:13:50 PM

Cl **30** *SC* **30.5.1.1.2** *P* **32** *L* **16** # 10
Zimmerman, George CME Consulting, Inc.

Comment Type **E** *Comment Status* **A**
Doesn't 5GBASE-KX come before 5GBASE-T?

SuggestedRemedy
Change editing instruction to insert 5GBASE-KR and 5GBASE-R BEFORE 5GBASE-T

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

Cl **45** *SC* **45.2.1.89.6** *P* **36** *L* **15** # 11
Zimmerman, George CME Consulting, Inc.

Comment Type **T** *Comment Status* **A**
Commenter realizes this is out of scope (somehow my comments and ballot on D2.0 got lost...) - Clarity - reads like PMD signal detect is only mandatory on 2.5GBASE-T if EEE is implemented. Should be always mandatory with EEE. I applaud the editor fixing the description in 45.2.1.89.6 to reflect that it is mandatory when EEE is implemented.

SuggestedRemedy
Change "The PMD signal detect function is optional for 1000BASE-X PCS (see 70.6.4) and 2.5GBASE-X PCS (see 128.6.4), and mandatory if EEE is implemented." to "The PMD signal detect function is optional for both 1000BASE-X PCS (see 70.6.4) and 2.5GBASE-X PCS (see 128.6.4), if EEE is not implemented, and it is mandatory for both if EEE is implemented."

Response *Response Status* **C**
ACCEPT IN PRINCIPLE.

Change:
"The PMD signal detect function is optional for 1000BASE-X PCS (see 70.6.4) and 2.5GBASE-X PCS (see 128.6.4), and mandatory if EEE is implemented."

To:
"The PMD signal detect function for both 1000BASE-X PCS (see 70.6.4) and 2.5GBASE-X PCS (see 128.6.4) is mandatory if EEE is implemented, and optional otherwise."

Cl **45** *SC* **45.2.3.7a** *P* **37** *L* **22** # 12
Zimmerman, George CME Consulting, Inc.

Comment Type **E** *Comment Status* **A**
Editing instruction suggests this draft will follow 802.3bs. Seems unlikely. Be consistent. If this precedes 802.3bs, it will have to insert Table 45-124a.

SuggestedRemedy
Consult with IEEE 802.3 leadership on ordering of amendments and be consistent.

Response *Response Status* **C**
ACCEPT IN PRINCIPLE.

Change editing instruction to say:
"Change Table 45–124a (as inserted by IEEE Std 802.3bs-20xx) as shown."

We need to be consistent -- and for now we assume this project is behind 802.3bs in amendment order.

Insert the following editors note (in a box, just below the 45.2.3.7a header):
"Editors note (to be removed prior to publication): If this project is approved before IEEE P802.3bs, modify the editing instruction to insert Table 45-124a, and the subclause 45.2.3.7a PCS status 3 register (Register 3.9)."

Cl **128** *SC* **128.7.1** *P* **112** *L* **29** # 13
Kim, Yong Broadcom LTD

Comment Type **TR** *Comment Status* **D**
Either the total jitter value of 0.35 is wrong, or the deterministic jitter value of 0.12 is wrong. It believe should be 0.32. Was pointed out by LM, but edit review missed it.

SuggestedRemedy
Change the value from 0.35 to 0.32 on the Total jitter row.

Proposed Response *Response Status* **Z**
REJECT.

This comment was WITHDRAWN by the commenter.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **13** Page 3 of 28
1/27/2017 7:13:50 PM

Cl **128**　　*SC* **128.7.1**　　　　　　*P* **112**　　*L* **26**　　　　# 14
Kim, Yong　　　　　　　　　Broadcom LTD

Comment Type **ER**　　*Comment Status* **D**
Units column needs a carrige return or line feed to align the first "UI" to Random jitter row

SuggestedRemedy
Insert a line as commneted.

Proposed Response　　*Response Status* **Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **128**　　*SC* **128.7.1.4**　　　　　*P* **114**　　*L* **2**　　　　# 15
Kim, Yong　　　　　　　　　Broadcom LTD

Comment Type **TR**　　*Comment Status* **D**
The sentence "… eight symbols of alternating polarity" is incomplete, as previously pointed out by LM, but edit review missed it. Whatever the resolution, do the same to 130.7.14 comment.

SuggestedRemedy
Complete the sentence as follows: "… eight symbols of alternating polarity, i.e. 0x1111111100000000".)

Proposed Response　　*Response Status* **Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **128**　　*SC* **128.7.2**　　　　　　*P* **117**　　*L* **14**　　　　# 16
Kim, Yong　　　　　　　　　Broadcom LTD

Comment Type **E**　　*Comment Status* **D**
As commented by LM "suggest deletion of the "Receiver coupling" to help eliminate double specification with this table 128-5 and 128.7.2.3   Whatever the resolution, do the same to 130.7.2

SuggestedRemedy
Consider.

Proposed Response　　*Response Status* **Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **128**　　*SC* **128.7.2.1**　　　　　*P* **117**　　*L* **44**　　　　# 17
Kim, Yong　　　　　　　　　Broadcom LTD

Comment Type **T**　　*Comment Status* **D**
As commented by LM "these jitter numbers need some more review. Is the DCD here supposed to be part of the rest of the jitter as in Table 128-4?   Or is it in addition to? Why is there no ISI component?" Whatever the resolution, do the same to 130.7.2.1 Table 130-6 (comment not replicated for CL130)

SuggestedRemedy
Consider & Clarify

Proposed Response　　*Response Status* **Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **128**　　*SC* **128.10.4.3**　　　　*P* **124**　　*L* **18**　　　　# 18
Kim, Yong　　　　　　　　　Broadcom LTD

Comment Type **TR**　　*Comment Status* **D**
As commented by LM "Is this supposed to be 0.35 or 0.32?".

SuggestedRemedy
Change the value from 0.35 to 0.32.

Proposed Response　　*Response Status* **Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**　　*SC* **130.1**　　　　　　*P* **139**　　*L* **14**　　　　# 19
Kim, Yong　　　　　　　　　Broadcom LTD

Comment Type **ER**　　*Comment Status* **D**
As commented by LM "Why does this say 10GBASE-KR? Shouldn't it be 5GBASE-KR instead?"

SuggestedRemedy
Change Table column heading of "10GBASE-KR" to "5GBASE-KR"

Proposed Response　　*Response Status* **Z**
REJECT.

This comment was WITHDRAWN by the commenter.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **19**

Page 4 of 28
1/27/2017 7:13:50 PM

Cl **130**   *SC* **130.7.1**   *P* **146**   *L* **34**   # 20

Kim, Yong   Broadcom LTD

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

As commented by LM "Total jitter should be 0.27"

SuggestedRemedy

Change the value from 0.30 to 0.27 on the Total jitter row

Proposed Response   *Response Status*   **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.7.1.4**   *P* **148**   *L* **2**   # 21

Kim, Yong   Broadcom LTD

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

The sentence "… eight symbols of alternating polarity." is incomplete, as previously pointed out by LM, but edit review missed it. Whatever the resolution, do the same to 128.7.14 comment.

SuggestedRemedy

Complete the sentence as follows: "… eight symbols of alternating polarity, i.e. 0x1111111100000000".)

Proposed Response   *Response Status*   **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.7.1.5**   *P* **148**   *L* **26**   # 22

Kim, Yong   Broadcom LTD

Comment Type   **ER**   *Comment Status*   **D**

Fix by adding a space after "of" in "…the requirements ofTable 103-4".

SuggestedRemedy

Do so.

Proposed Response   *Response Status*   **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.7.1.6**   *P* **149**   *L* **29**   # 23

Kim, Yong   Broadcom LTD

Comment Type   **ER**   *Comment Status*   **D**

Fix by adding a space after "of" in "…the requirements ofTable 103-4".

SuggestedRemedy

Do so.

Proposed Response   *Response Status*   **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.7.1.11**   *P* **151**   *L* **22**   # 24

Kim, Yong   Broadcom LTD

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

As commented by LM, "shouldn't this say "...a run of at least eight consecutive ones followed by at least eight consecutive zeroes."" -- the sentence seems incomplete.

SuggestedRemedy

Change "…at least eight consecutive ones." to "…at least eight consecutive ones followed by at least eight consecutive zeros"

Proposed Response   *Response Status*   **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.7.2**   *P* **152**   *L* **25**   # 25

Kim, Yong   Broadcom LTD

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

As commented by LM "suggest deletion of the "Receiver coupling" to help eliminate double specification with this table 130-5 and 130.7.2.3   Whatever the resolution, do the same to 128.7.2

SuggestedRemedy

Consider.

Proposed Response   *Response Status*   **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **25**

Page 5 of 28
1/27/2017 7:13:50 PM

Cl **130**　　*SC* **130.7.2.2**　　　　*P* **153**　　*L* **21**　　　# 26
Kim, Yong　　　　　　　　　　　Broadcom LTD

Comment Type　**E**　　*Comment Status*　**D**
As commented by LM, consider changing "A 5GBASE-KR receiver…" to "The signaling speed of a 5GBASE-KR receiver…"

SuggestedRemedy
Consider.

Proposed Response　　　　*Response Status*　**Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**　　*SC* **130.7.2.4**　　　　*P* **153**　　*L* **38**　　　# 27
Kim, Yong　　　　　　　　　　　Broadcom LTD

Comment Type　**E**　　*Comment Status*　**D**
As commented by LM, and paraphrased by me, delete "1200 mV" and change "of" to "in" the second sentence

SuggestedRemedy
Change from "This may be larger than the 1200 mV differential maximum of 130.7.1.4" to "This may be larger than the differential maximum in 130.7.1.4"

Proposed Response　　　　*Response Status*　**Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**　　*SC* **130.7.2.5**　　　　*P* **153**　　*L* **47**　　　# 28
Kim, Yong　　　　　　　　　　　Broadcom LTD

Comment Type　**TR**　　*Comment Status*　**D**
As commented by LM, delete equation references 130-3 and 130-4 and replace them by a reference to the table 130-5

SuggestedRemedy
Change from "...greater than or equal to Equation (130–3) and Equation (130–4)." to "...as specified in Table 130-5."

Proposed Response　　　　*Response Status*　**Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**　　*SC* **130.10.4.2**　　　*P* **156**　　*L* **43**　　　# 29
Kim, Yong　　　　　　　　　　　Broadcom LTD

Comment Type　**TR**　　*Comment Status*　**D**
As commented by LM, fix "2.GBASE-KX" on FS1 line

SuggestedRemedy
Change from "2.GBASE-KX" to "5GBASE-KR"

Proposed Response　　　　*Response Status*　**Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**　　*SC* **130.10.4.2**　　　*P* **156**　　*L* **51**　　　# 30
Kim, Yong　　　　　　　　　　　Broadcom LTD

Comment Type　**TR**　　*Comment Status*　**D**
As commented by LM, fix "2.5GBASE-KX" on FS3 line

SuggestedRemedy
Change from "2.5GBASE-KX" to "5GBASE-KR"

Proposed Response　　　　*Response Status*　**Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**　　*SC* **130.10.4.2**　　　*P* **157**　　*L* **27**　　　# 31
Kim, Yong　　　　　　　　　　　Broadcom LTD

Comment Type　**ER**　　*Comment Status*　**D**
As commented by LM, change "effected" to "affected" and insert a space " " after "by" on FS16 line

SuggestedRemedy
Change to read "Loopback not affected by Global_PMD_transmit_disable"

Proposed Response　　　　*Response Status*　**Z**
REJECT.

This comment was WITHDRAWN by the commenter.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **31**

Page 6 of 28
1/27/2017 7:13:50 PM

Cl **130**   *SC* **130.10.4.2**   *P* **157**   *L* **51**   # 32
Kim, Yong   Broadcom LTD

Comment Type **TR**   *Comment Status* **D**
    As commented by LM, fix "10GBASE-RX" on FS18 line

SuggestedRemedy
    Change from "10GBASE-KR" to "5GBASE-KR"

Proposed Response   *Response Status* **Z**
    REJECT.

    This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.10.4.4**   *P* **158**   *L* **20**   # 33
Kim, Yong   Broadcom LTD

Comment Type **TR**   *Comment Status* **D**
    As commented by LM, replace 0.2V with 0V on TC7 line

SuggestedRemedy
    Change from "0.2V" to "0 V"

Proposed Response   *Response Status* **Z**
    REJECT.

    This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.10.4.4**   *P* **158**   *L* **24**   # 34
Kim, Yong   Broadcom LTD

Comment Type **TR**   *Comment Status* **D**
    As commented by LM, replace "Less than" with "Less than or equal to" on TC9 line

SuggestedRemedy
    Replace "Less than" with "Less than or equal to"

Proposed Response   *Response Status* **Z**
    REJECT.

    This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.10.4.4**   *P* **158**   *L* **29**   # 35
Kim, Yong   Broadcom LTD

Comment Type **TR**   *Comment Status* **D**
    As commented by LM, add "within" after "output" and fix capitalization on TC11 line

SuggestedRemedy
    Replace "output ..." with "Output within ..."

Proposed Response   *Response Status* **Z**
    REJECT.

    This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.10.4.4**   *P* **158**   *L* **38**   # 36
Kim, Yong   Broadcom LTD

Comment Type **TR**   *Comment Status* **D**
    As commented by LM, TC15 values are not updated to match the draft

SuggestedRemedy
    Replace "Between 30 ps and 100 ps..." with "Between 20 ps and 60 ps…"

Proposed Response   *Response Status* **Z**
    REJECT.

    This comment was WITHDRAWN by the commenter.

Cl **130**   *SC* **130.10.4.4**   *P* **158**   *L* **42**   # 37
Kim, Yong   Broadcom LTD

Comment Type **TR**   *Comment Status* **D**
    As commented by LM, TC16 values are not updated to match the draft

SuggestedRemedy
    Replace "Between 30 ps and 100 ps..." with "Between 20 ps and 60 ps…"

Proposed Response   *Response Status* **Z**
    REJECT.

    This comment was WITHDRAWN by the commenter.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **37**   Page 7 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/27/2017 7:13:50 PM
SORT ORDER: Comment ID

Cl **130**	*SC* **130.10.4.5**	*P* **159**	*L* **22**	# 38

Kim, Yong   Broadcom LTD

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

As commente dby LM, RC1 value was not updated to match the draft

SuggestedRemedy

Replace "1200" with "1600"

Proposed Response   *Response Status* **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **130**	*SC* **130.10.4.5**	*P* **159**	*L* **25**	# 39

Kim, Yong   Broadcom LTD

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

As commente dby LM, RC2 refereces weren not updated to match the draft

SuggestedRemedy

Replace "...in Annex 130B with parameters in Table 130–5" with "1600" with "...in Annex 69A with parameters in Table 130–6"

Proposed Response   *Response Status* **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **129**	*SC* **129.2.1**	*P* **129**	*L* **38**	# 40

Marris, Arthur   Cadence Design Syst

Comment Type **TR**   *Comment Status* **A**

Clause 49 has:
hi_ber
Boolean variable which is asserted true when the ber_cnt exceeds 16 indicating a bit error ratio >10-4

Clause 129 has:
The 5GBASE-R PCS shall have all the functionality of the 10GBASE-R PCS specified in Clause 49 with the changes noted below.

The BER monitor state diagram shown in Figure 49-15 applies but it shall test ber_cnt for a value of 32 rather than 16 in the exit conditions from state BER_BAD_SH as listed below.
a) The definition of "ber_cnt" in 49.2.13.2.4 is replaced with "Count up to a maximum of 32 of the number of invalid sync headers within the current 125 us period."
b) The definition of "hi_ber" in 49.2.13.2.2 is replaced with "Boolean variable which is asserted true when the ber_cnt exceeds 32 indicating a bit error ratio >10-4."

Boolean variable which is asserted true when the ber_cnt exceeds 16 indicating a bit error ratio
>10–4

Seeing as the clock speed is halved this implies a four times increase in BER which is wrong as 802.3cb has the same 10-12 overall BER requirement.

SuggestedRemedy

Change:
"The 5GBASE-R PCS shall have all the functionality of the 10GBASE-R PCS specified in Clause 49 with the changes noted below.

The BER monitor state diagram shown in Figure 49–15 applies but it shall test ber_cnt for a value of 32 rather than 16 in the exit conditions from state BER_BAD_SH as listed below."

To:
"The 5GBASE-R PCS shall have all the functionality of the 10GBASE-R PCS specified in Clause 49 except that the 125us timer becomes a 250us timer.

The BER monitor state diagram shown in Figure 49–15 applies but the definition of "ber_cnt" in 49.2.13.2.4 is replaced with "Count up to a maximum of 16 of the number of invalid sync headers within the current 250 us period." and the ber_cnt defintion in 49.2.14.2 is similalry modified."

Delete paragraphs a) and b) on lines 40 to 44.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **40**

Page 8 of 28
1/27/2017 7:13:50 PM

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Change:
"The 5GBASE-R PCS shall have all the functionality of the 10GBASE-R PCS specified in Clause 49 with the changes noted below.

The BER monitor state diagram shown in Figure 49–15 applies but it shall test ber_cnt for a value of 32 rather than 16 in the exit conditions from state BER_BAD_SH as listed below."

To:
"The 5GBASE-R PCS shall have all the functionality of the 10GBASE-R PCS specified in Clause 49.

The BER monitor state diagram shown in Figure 49–15 applies but the definition of "ber_cnt" in 49.2.13.2.4 is replaced with "Count up to a maximum of 16 of the number of invalid sync headers within the current 250 us period." and the ber_cnt defintion in 49.2.14.2 is similalry modified."

Delete paragraphs a) and b) on lines 40 to 44.

Cl **FM**   *SC* **FM**   *P* **12**   *L* **13**   # 41
Grow, Robert   RMG Consulting

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

"other eight amdnements" was right for P802.3bv, but does not agree with the list that follows in the note nor in the front matter.

SuggestedRemedy

"other 12 documents"

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change wording to read:
"This draft assumes that the other amendments listed below will be approved…"

Cl **FM**   *SC* **FM**   *P* **13**   *L* **25**   # 42
Grow, Robert   RMG Consulting

Comment Type **ER**   *Comment Status* **A**

This is not the description in draft P802.3bv/D3.3 submitted for approval.

SuggestedRemedy

Amendment 9—This amendment includes changes to IEEE Std 802.3-2015 and adds Clause 115 and Annex 115A. This amendment adds point-to-point 1000 Mb/s Physical Layer (PHY) specifications and management parameters for operation on duplex plastic optical fiber (POF) targeting use in automotive, industrial, home-network, and other applications.

Response   *Response Status* **W**

ACCEPT.

Cl **FM**   *SC* **FM**   *P* **27**   *L* **43**   # 43
Grow, Robert   RMG Consulting

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

Editor's Note is not current. About half of the listed projects are approved amendments, not parallel projects, there are a lot of other amendments that modify related text (e.g., aPHYType enumerations).

SuggestedRemedy

Preferred solution is to delete the parenthetical list, end with "other IEEE 802.3 amendment projects."

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

End with "any other IEEE 802.3 amendment projects or corrigendum running in parallel."

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **43**   Page 9 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/27/2017 7:13:50 PM
SORT ORDER: Comment ID

Cl **1**   *SC* **1**   *P* **28**   *L* **5**   # **44**
Grow, Robert   RMG Consulting

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

The order is settled for most everything in the list. P802.3bu was approved during the December SASB meeting series. P802.3bv is a conditional submittal to RevCom for early consideration. I may have missed assignment of Amendment 10 to P802.3bt, but if Mr. Law has made that assignment, it too could probably be removed from the list.

SuggestedRemedy

I think P802.3bs, P802.3bt, will be working on D2.2 comments in January, P802.3cb on D2.1 comments, and P802.3cc on D2.0 initial WG ballot comments. I would expect only these are the amendment projects for which order is not yet settled. Also applies to similar Editor's Note on pages 21, 31 and 33.

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

See comment #8 resolution.

Cl **1**   *SC* **1.4**   *P* **28**   *L* **27**   # **45**
Grow, Robert   RMG Consulting

Comment Type   **E**   *Comment Status*   **R**

Consider adding a reminder note that P802.3bs should be inserting terms in this area (200G terms would appropriately be inserted between 2.5G and 5G terms).

SuggestedRemedy

See comment.

Response   *Response Status*   **C**

REJECT.

Sufficient editors notes in appropriate places remind editors to update the editing instructions when amendment orders are settled.

Cl **1**   *SC* **1.4.107**   *P* **29**   *L* **8**   # **46**
Grow, Robert   RMG Consulting

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

The duplicate clause lists in this definition is getting absurd. Delete the first list.

SuggestedRemedy

An 802.3 family of Physical Layer devices using 64B/66B encoding. (See …

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

Change subclause to read:
"1.4.107 BASE-R: An IEEE 802.3 family of Physical Layer devices using the 64B/66B encoding. (See IEEE Std 802.3 Clause 49, Clause 82, or Clause 107, or Clause 129.)"

Cl **69**   *SC* **69**   *P* **45**   *L* **2**   # **47**
Grow, Robert   RMG Consulting

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

The note is not needed, no other current amendment projects are touching clause 69 (IEEE Std 802.3by is approved and published).

SuggestedRemedy

Delete note.

Response   *Response Status*   **C**

ACCEPT.

Cl **73**   *SC* **73**   *P* **51**   *L* **2**   # **48**
Grow, Robert   RMG Consulting

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

Editor's Note is overly broad. Of other amendments in WG ballot, none modify this clause. (IEEE Std 802.3bz is approved and published.)

SuggestedRemedy

Delete note.

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **48**   Page 10 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/27/2017 7:13:51 PM
SORT ORDER: Comment ID

Cl **78**   *SC* **78**   *P* **57**   *L* **2**   # **49**
Grow, Robert   RMG Consulting

Comment Type **E**   *Comment Status* **A**
Editor's Note is overly broad. Of other amendments in WG ballot, only P802.3bs and P802.3cc modify this clause.

SuggestedRemedy
Prune list to other current amdendment projects touching the clause that have not been assigned an amendment number.

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

Only list 802.3bs. 802.3cc is not included because it follows 802.3cb.

Cl **125**   *SC* **125**   *P* **61**   *L* **10**   # **50**
Grow, Robert   RMG Consulting

Comment Type **E**   *Comment Status* **A**
Not knowing if we will specify other 2.5G and 5G interfaces it might be better to maintain a speed ordering of the tables in this clause.

SuggestedRemedy
Consistently group 2.5G rows and 5G rows rather than interspersing them in Tables 125-1, 125-2 and 125-3.

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

Cl **125**   *SC* **125**   *P* **62**   *L* **3**   # **51**
Grow, Robert   RMG Consulting

Comment Type **E**   *Comment Status* **R**
This appears to be a note from P802.3bz.

SuggestedRemedy
Delete.

Response   *Response Status* **C**
REJECT.

It is not from P802.3bz.

Cl **31B**   *SC* **31B**   *P* **161**   *L* **2**   # **52**
Grow, Robert   RMG Consulting

Comment Type **E**   *Comment Status* **A**
Editor's Note is overly broad. Of other amendments in WG ballot, only P802.3bs modifies this clause.

SuggestedRemedy
Prune list to other current amdendment projects touching the clause that have not been assigned an amendment number.

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

Cl **FM**   *SC* **FM**   *P* **9**   *L* **18**   # **53**
Grow, Robert   RMG Consulting

Comment Type **E**   *Comment Status* **A**
Do we have two Daniel Smiths in 802.3? If not, this one should be deleted because "the" Daniel Smith is listed with TF officers.

SuggestedRemedy
Delete "Daniel Smith"

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

Also delete "William Lo" who is already listed as TF officer (chief editor, phase 1)

Cl **69A**   *SC* **69A**   *P* **163**   *L* **2**   # **54**
Grow, Robert   RMG Consulting

Comment Type **E**   *Comment Status* **A**
The note is not needed, no other current amendment projects are touching Annex 69A.

SuggestedRemedy
Delete note.

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **54**   Page 11 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/27/2017 7:13:51 PM
SORT ORDER: Comment ID

Please configure project comments

Cl **128**	*SC* **128.6.4**	*P* **110**	*L* **17**	# 55

Larry, McMillan   Western Digital

Comment Type **T**   *Comment Status* **R**

I believe we need to give the reader better guidance about the PMD signal detect definition than simply saying it is beyond the scope of the spec. (Sections 128.6.4 and 130.6.4)

SuggestedRemedy

Either provide a definition or point the reader to another document/reference where there is a definition

Response   *Response Status* **C**

REJECT.

10GBASE-KX4 signal detect function, clause 71.6.4, uses same wording. To change this wording requires a proposal for signal detect definition.

Cl **128**   *SC* **128.6.6**   *P* **110**   *L* **51**   # 56

Larry, McMillan   Western Digital

Comment Type **T**   *Comment Status* **A**

I believe we need to give the reader better guidance about how to implement loopback mode than simply saying it is not defined. (Sections 128.6.6 and 130.6.6)

SuggestedRemedy

Either provide a method of implementation or point the reader to another document/reference where there is one

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change the last sentence on page 110, line 50 to read:
"The method of implementing loopback mode within the PMD is not defined by this standard."

Cl **128**   *SC* **128.7.1**   *P* **112**   *L* **29**   # 57

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

Either the total jitter value of 0.35 is wrong, or the deterministic jitter value of 0.12 is wrong. I believe TJ should be 0.32. Was pointed out before, but editorial review missed it.

SuggestedRemedy

Change the value from 0.35 to 0.32 on the Total jitter row.

Response   *Response Status* **C**

ACCEPT.

Cl **128**   *SC* **128.7.1**   *P* **112**   *L* **26**   # 58

Larry, McMillan   Western Digital

Comment Type **ER**   *Comment Status* **A**

Units column needs a carrige return or line feed to align the first "UI" to Random jitter row

SuggestedRemedy

Insert a line as commented.

Response   *Response Status* **C**

ACCEPT.

Cl **128**   *SC* **128.7.1.4**   *P* **114**   *L* **1**   # 59

Larry, McMillan   Western Digital

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

The added text in 128.7.1.4, "The differential peak to peak output voltage when TX is disabled is defined in Table 128–4" is unnecessary, redundant, and confusing. It should be removed.

SuggestedRemedy

Delete the sentence as commented.

Response   *Response Status* **C**

ACCEPT.

Cl **128**   *SC* **128.7.1.4**   *P* **114**   *L* **2**   # 60

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

The sentence "… eight symbols of alternating polarity" is incomplete, as previously pointed out, but editorial review missed it. Whatever the resolution, do the same to 130.7.14 comment.

SuggestedRemedy

Complete the sentence as follows: "… eight symbols of alternating polarity, i.e. 0x1111111100000000...".)

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **60**   Page 12 of 28
1/27/2017 7:13:51 PM

Cl **128**　　*SC* **128.7.1.9**　　　　*P* **116**　　*L* **45**　　　# 61

Larry, McMillan　　　　　　　　Western Digital

Comment Type　**TR**　　*Comment Status*　**A**

At the beginning of the text of 128.7.1.9, the word "jitter" needs to be inserted after "The transmitter"

SuggestedRemedy

add "jitter" after "transmitter"

Response　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Change to "transmit jitter".

Cl **128**　　*SC* **128.7.2**　　　　*P* **117**　　*L* **14**　　　# 62

Larry, McMillan　　　　　　　　Western Digital

Comment Type　**ER**　　*Comment Status*　**A**

As commented before, "suggest deletion of the "Receiver coupling" row to help eliminate double specification between this table 128-5 and 128.7.2.3　Whatever the resolution, do similarly to 130.7.2

SuggestedRemedy

Delete the "Receiver Coupling" row from Tables 128-5 and 130-5

Response　　　　　*Response Status*　**C**

ACCEPT.

Cl **128**　　*SC* **128.7.2.1**　　　　*P* **117**　　*L* **44**　　　# 63

Larry, McMillan　　　　　　　　Western Digital

Comment Type　**T**　　*Comment Status*　**A**

These jitter numbers need some more review. Is the DCD here supposed to be part of the rest of the jitter as in Table 128-4?　Or is it in addition to? Why is there no ISI component? Whatever the resolution, do the same to 130.7.2.1 Table 130-6 (comment not replicated for CL130)

SuggestedRemedy

Consider & Clarify

Response　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

For Table 128-6 and Table 130-6, remove the row, "Applied duty cycle distortion (min peak-to-peak)". DCD is observable but not controllable/programmable in the receiver tolerance test instrumentation, leading to complicated and unnecessary test requirements.

For Table 130-6, change "Applied random jitter (min peak-to-peak)" to 0.15 in order to match Table 130-4.

ISI is taken into account by the channel definition which is used for testing defined in 69A.2.2.

Cl **128**　　*SC* **128.10.3**　　　　*P* **121**　　*L* **8**　　　# 64

Larry, McMillan　　　　　　　　Western Digital

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

"2.5GBASE-X" needs to change to "2.5GBASE-KX" in 128.10.3

SuggestedRemedy

change "2.5GBASE-X" to "2.5GBASE-KX"

Response　　　　　*Response Status*　**C**

REJECT.

PCS reference is supposed to be -X.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general　　　　　*Comment ID* **64**　　　Page 13 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn　　　1/27/2017 7:13:51 PM
SORT ORDER: Comment ID

Cl **128**   *SC* **128.10.4.3**   *P* **124**   *L* **18**   # 65

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

Is this supposed to be 0.35 or 0.32?

SuggestedRemedy

Change the value from 0.35 to 0.32.

Response   *Response Status* **C**

ACCEPT.

Cl **129**   *SC* **129**   *P* **127**   *L* **2**   # 66

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

5GBASE-R is used throughout Clause 129; shouldn't it be 5GBASE-KR instead? Also noted at least two instances of a reference to 10GBASE in the PICS

SuggestedRemedy

Replace incorrect references to 5GBASE-R, 10GBASE-R, and 10GBASE-KR in Clause 129 with references to 5GBASE-KR

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Per suggested remedy:
PCS reference is -R.

In PICS:
table 129.7.2.2,
table 129.7.3 - item PCS,
table 129.7.6.5 item - AN1 & AN2

change 10GBASE- to 5GBASE-

Cl **130**   *SC* **130.1**   *P* **139**   *L* **14**   # 67

Larry, McMillan   Western Digital

Comment Type **ER**   *Comment Status* **A**

Why does this say 10GBASE-KR? Shouldn't it be 5GBASE-KR instead?

SuggestedRemedy

Change Table column heading of "10GBASE-KR" to "5GBASE-KR"

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.6.4**   *P* **144**   *L* **8**   # 68

Larry, McMillan   Western Digital

Comment Type **T**   *Comment Status* **R**

I believe we need to give the reader better guidance about the PMD signal detect definition than simply saying it is beyond the scope of the spec. (Sections 128.6.4 and 130.6.4)

SuggestedRemedy

Either provide a definition or point the reader to another document/reference where there is a definition

Response   *Response Status* **C**

REJECT.

10GBASE-KX4 signal detect function, clause 71.6.4, uses same wording. To change this wording requires a proposal for signal detect definition.

Cl **130**   *SC* **130.6.6**   *P* **144**   *L* **51**   # 69

Larry, McMillan   Western Digital

Comment Type **T**   *Comment Status* **A**

I believe we need to give the reader better guidance about how to implement loopback mode than simply saying it is not defined. (Sections 128.6.6 and 130.6.6)

SuggestedRemedy

Either provide a method of implementation or point the reader to another document/reference where there is one

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change the last sentence on page 144, line 51 to read:
"The method of implementing loopback mode within the PMD is not defined by this standard."

Cl **130**   *SC* **130.7.1**   *P* **146**   *L* **34**   # 70

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

Total jitter should be 0.27

SuggestedRemedy

Change the value from 0.30 to 0.27 on the Total jitter row

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **70**

Page 14 of 28
1/27/2017 7:13:51 PM

Cl **130**   *SC* **130.7.1.4**   *P* **148**   *L* **1**   # **71**
Larry, McMillan   Western Digital

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

The third sentence in 130.7.1.4 ("The transmitter output voltage shall be as specified in Table 130–4") is unnecessary, redundant, and confusing. It should be removed

SuggestedRemedy

Delete the sentence as commented.

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.4**   *P* **148**   *L* **2**   # **72**
Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

The sentence "… eight symbols of alternating polarity." is incomplete. Whatever the resolution, do the same to 128.7.14 comment.

SuggestedRemedy

Complete the sentence as follows: "… eight symbols of alternating polarity, i.e. 0x1111111100000000...".)

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.5**   *P* **148**   *L* **26**   # **73**
Larry, McMillan   Western Digital

Comment Type **ER**   *Comment Status* **A**

Fix by adding a space after "of" in "…the requirements ofTable 103-4".

SuggestedRemedy

Do so.

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.6**   *P* **149**   *L* **29**   # **74**
Larry, McMillan   Western Digital

Comment Type **ER**   *Comment Status* **A**

Fix by adding a space after "of" in "…the requirements ofTable 103-4".

SuggestedRemedy

Do so.

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.7**   *P* **150**   *L* **31**   # **75**
Larry, McMillan   Western Digital

Comment Type **ER**   *Comment Status* **A**

shouldn't this say "...a run of at least eight consecutive ones followed by at least eight consecutive zeroes."? -- the sentence seems incomplete.

SuggestedRemedy

Change "…at least eight consecutive ones." to "…at least eight consecutive ones followed by at least eight consecutive zeros"

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.11**   *P* **151**   *L* **22**   # **76**
Larry, McMillan   Western Digital

Comment Type **ER**   *Comment Status* **A**

shouldn't this say "...a run of at least eight consecutive ones followed by at least eight consecutive zeroes."? -- the sentence seems incomplete.

SuggestedRemedy

Change "…at least eight consecutive ones." to "…at least eight consecutive ones followed by at least eight consecutive zeros"

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **76**   Page 15 of 28
1/27/2017 7:13:51 PM

Cl **130**   *SC* **130.7.1.11**   *P* **151**   *L* **50**   # 77

Larry, McMillan   Western Digital

Comment Type   **TR**   *Comment Status*   **A**

For v1, "t1 + 2T to t – 2T" should be "t1 + 2T to t2 – 2T"

SuggestedRemedy

change per comment

Response   *Response Status*   **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.11**   *P* **151**   *L* **52**   # 78

Larry, McMillan   Western Digital

Comment Type   **TR**   *Comment Status*   **A**

For v3, "positive steady-state voltage…" should be "negative steady-state voltage…"

SuggestedRemedy

change per comment

Response   *Response Status*   **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.11**   *P* **151**   *L* **53**   # 79

Larry, McMillan   Western Digital

Comment Type   **TR**   *Comment Status*   **A**

For v4, "maximum voltage measured…" should be "minimum voltage measured…" There also needs to be a carriage return before "v4" to move it down one line

SuggestedRemedy

change per comment

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

Also add a space between "interval" and "t2".

Cl **130**   *SC* **130.7.2**   *P* **152**   *L* **25**   # 80

Larry, McMillan   Western Digital

Comment Type   **ER**   *Comment Status*   **A**

suggest deletion of the "Receiver coupling" row to help eliminate double specification betwee this table 130-5 and 130.7.2.3   Whatever the resolution, do the same to 128.7.2

SuggestedRemedy

Delete the "Receiver Coupling" row from Tables 128-5 and 130-5

Response   *Response Status*   **C**

ACCEPT.

Cl **130**   *SC* **130.7.2.2**   *P* **153**   *L* **21**   # 81

Larry, McMillan   Western Digital

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

consider changing "A 5GBASE-KR receiver…" to "The signaling speed of a 5GBASE-KR receiver…"

SuggestedRemedy

Consider.

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

Change the sentence to read:
"The signaling speed of a 5GBASE-KR receiver shall comply with the requirements of Table 130–5."

Cl **130**   *SC* **130.7.2.4**   *P* **153**   *L* **38**   # 82

Larry, McMillan   Western Digital

Comment Type   **ER**   *Comment Status*   **A**

delete "1200 mV" and change "of" to "in" the second sentence

SuggestedRemedy

Change from "This may be larger than the 1200 mV differential maximum of 130.7.1.4" to "This may be larger than the differential maximum in 130.7.1.4"

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **82**   Page 16 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/27/2017 7:13:51 PM
SORT ORDER: Comment ID

Cl **130**   *SC* **130.7.2.5**   *P* **153**   *L* **47**   # 83

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

delete equation references 130-3 and 130-4 and replace them by a reference to the table 130-5

SuggestedRemedy

The entire text of 130.7.2.5 should be limited to only: "For frequencies from 100 MHz to 3750 MHz, the differential return loss, in dB with f in MHz, of the receiver shall be as specified in Table 130-5. This return loss requirement applies at all valid input levels."

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.10.3**   *P* **156**   *L* **8**   # 84

Larry, McMillan   Western Digital

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

"5GBASE-R" needs to change to "5GBASE-KR" in 130.10.3

SuggestedRemedy

change "5GBASE-R" to "5GBASE-KR"

Response   *Response Status* **C**

REJECT.

This is correct as is.

Cl **130**   *SC* **130.10.4**   *P* **156**   *L* **26**   # 85

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

In 130.10.4, "10GBASE-KR" should be "5GBASE-KR"

SuggestedRemedy

Change "10GBASE-KR" to "5GBASE-KR"

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.10.4.2**   *P* **156**   *L* **43**   # 86

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

fix "2.GBASE-KX" on FS1 line

SuggestedRemedy

Change from "2.GBASE-KX" to "5GBASE-KR"

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.10.4.2**   *P* **156**   *L* **51**   # 87

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

fix "2.5GBASE-KX" on FS3 line

SuggestedRemedy

Change from "2.5GBASE-KX" to "5GBASE-KR"

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.10.4.2**   *P* **157**   *L* **27**   # 88

Larry, McMillan   Western Digital

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

change "effected" to "affected" and insert a space " " after "by" on FS16 line

SuggestedRemedy

Change to read "Loopback not affected
by Global_PMD_transmit_disable"

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.10.4.2**   *P* **157**   *L* **33**   # 89

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

fix "10GBASE-RX" on FS18 line

SuggestedRemedy

Change from "10GBASE-KR" to "5GBASE-KR"

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **89**   Page 17 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/27/2017 7:13:51 PM
SORT ORDER: Comment ID

Cl **130**	*SC* **130.10.4.4**	*P* **158**	*L* **20**	*#* 90

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

replace 0.2V with 0V on TC7 line

SuggestedRemedy

Change from "0.2V" to "0 V"

Response   *Response Status* **C**

ACCEPT.

Cl **130**	*SC* **130.10.4.4**	*P* **158**	*L* **24**	*#* 91

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

replace "Less than" with "Less than or equal to" on TC9 line

SuggestedRemedy

Replace "Less than" with "Less than or equal to"

Response   *Response Status* **C**

ACCEPT.

Cl **130**	*SC* **130.10.4.4**	*P* **158**	*L* **29**	*#* 92

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

add "within" after "output" and fix capitalization on TC11 line

SuggestedRemedy

Replace "output ..." with "Output within ..."

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change to:
"Output within ± 150 mV of the pre-LPI value"

Cl **130**	*SC* **130.10.4.4**	*P* **158**	*L* **38**	*#* 93

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

TC15 values are not updated to match the draft

SuggestedRemedy

Replace "Between 30 ps and 100 ps..." with "Between 20 ps and 60 ps…"

Response   *Response Status* **C**

ACCEPT.

Cl **130**	*SC* **130.10.4.4**	*P* **158**	*L* **42**	*#* 94

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

TC16 values are not updated to match the draft

SuggestedRemedy

Replace "Between 30 ps and 100 ps..." with "Between 20 ps and 60 ps…"

Response   *Response Status* **C**

ACCEPT.

Cl **130**	*SC* **130.10.4.4**	*P* **159**	*L* **3**	*#* 95

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

TC17 values are not updated to match the draft

SuggestedRemedy

Replace "0.30 UI" with "0.27 UI"

Response   *Response Status* **C**

ACCEPT.

Cl **130**	*SC* **130.10.4.5**	*P* **159**	*L* **22**	*#* 96

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

RC1 value was not updated to match the draft

SuggestedRemedy

Replace "1200" with "1600"

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **96**

Page 18 of 28
1/27/2017 7:13:51 PM

Cl **130**   *SC* **130.10.4.5**   *P* **159**   *L* **25**   # 97

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

RC2 references were not updated to match the draft

SuggestedRemedy

Replace "...in Annex 130B with parameters in Table 130–5" with "...in Annex 69A with parameters in Table 130–6"

Response   *Response Status* **C**

ACCEPT.

Cl **130**   *SC* **130.10.4.5**   *P* **159**   *L* **30**   # 98

Larry, McMillan   Western Digital

Comment Type **TR**   *Comment Status* **A**

RC4 reference was not updated to match the draft

SuggestedRemedy

Replace "...in Annex 130B" with "...in Annex 69A"

Response   *Response Status* **C**

ACCEPT.

Cl **FM**   *SC* **FM**   *P* **1**   *L* **4**   # 99

Anslow, Pete   Ciena

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

Space missing in "Cor 1-20xx(list"

SuggestedRemedy

Add the space

Response   *Response Status* **C**

ACCEPT.

Cl **FM**   *SC* **FM**   *P* **1**   *L* **32**   # 100

Anslow, Pete   Ciena

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

802.3bt and 802.3bs are not approved

SuggestedRemedy

Change "IEEE Std 802.3bt-2016, IEEE Std 802.3bs-2016" to "IEEE Std 802.3bt-20xx, IEEE Std 802.3bs-20xx"

Response   *Response Status* **C**

ACCEPT.

Cl **FM**   *SC* **FM**   *P* **13**   *L* **23**   # 101

Anslow, Pete   Ciena

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

The assumed order of amendments has been announced by the Working Group Chair up to Amendment 9

SuggestedRemedy

Change the "9" in "Amendment 9" to black.
Change "Amendment 10" to "Amendment TBD"

Response   *Response Status* **C**

ACCEPT.

Cl **FM**   *SC* **FM**   *P* **27**   *L* **44**   # 102

Anslow, Pete   Ciena

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

In the note, "802.3bv" should be "P802.3bv"

SuggestedRemedy

Change, "802.3bv" to "P802.3bv"

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

But no action needed (text being deleted by Comment #43 resolution.)

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **102**   Page 19 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/27/2017 7:13:51 PM
SORT ORDER: Comment ID

Cl **1** *SC* **1.4.74c** *P* **28** *L* **46** # 103
Anslow, Pete Ciena

Comment Type **E** *Comment Status* **A**
In the Editor's note, "5BSEI" should be "5GSEI" and "IEEE 802.3bz" should be "IEEE Std 802.3bz"

SuggestedRemedy
In the Editor's note, change "5BSEI" to "5GSEI" and change "IEEE 802.3bz" to "IEEE Std 802.3bz"

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

Cl **45** *SC* **45.2.1.6** *P* **33** *L* **41** # 104
Anslow, Pete Ciena

Comment Type **E** *Comment Status* **A**
Three incorrect references to amendments

SuggestedRemedy
Page 33, line 41, change "IEEE 802.3bs" to "IEEE Std 802.3bs"
Page 34, line 22, change "IEEE802.3bz" to "IEEE Std 802.3bz"
Page 34, line 36, change "IEEE802.3bz" to "IEEE Std 802.3bz"

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

Cl **45** *SC* **45.2.3.1.2** *P* **36** *L* **39** # 105
Anslow, Pete Ciena

Comment Type **E** *Comment Status* **A**
Spurious text in red strikethrough font in the editing instruction here and on page 37, line 4

SuggestedRemedy
Delete "201x" in red strikethrough here.
Delete ")" in red strikethrough on page 37 line 4.

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

Cl **45** *SC* **45.2.3.7a** *P* **37** *L* **23** # 106
Anslow, Pete Ciena

Comment Type **E** *Comment Status* **A**
The editing instruction has been changed and now "Change two new rows" doesn't make sense.

SuggestedRemedy
Change the editing instruction to "Change Table 45–124a (as modified by IEEE Std 802.3bs-20xx) as shown."

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

[Editor's note: see comment 12 for revised wording - "inserted" rather than "modified".]

Cl **45** *SC* **45.2.3.7a.a** *P* **37** *L* **46** # 107
Anslow, Pete Ciena

Comment Type **E** *Comment Status* **A**
The editing instruction added in response to comment #16 against D2.0 is incorrect.
It should be as proposed by comment #44 against D2.0.
Also, there is a typo in the second subclause number.

SuggestedRemedy
Change " 45.2.3.9a.b after 45.2.3.7a.1" to "45.2.3.7a.b before 45.2.3.7a.1"

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

Cl **45** *SC* **45.2.3.9a** *P* **38** *L* **9** # 108
Anslow, Pete Ciena

Comment Type **E** *Comment Status* **A**
"IEEE 802.3by" should be "IEEE Std 802.3by-2016"

SuggestedRemedy
Change "IEEE 802.3by" to "IEEE Std 802.3by-2016"

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **108** Page 20 of 28
1/27/2017 7:13:51 PM

Cl **45**　　*SC* **45.2.3.14.1**　　　　*P* **39**　　　*L* **31**　　　# 109

Anslow, Pete　　　　　　　　　　　　Ciena

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

IEEE Std 802.3bq-2016 made changes to the text shown in 45.2.3.14.1, 45.2.3.14.2, 45.2.3.14.3, and 45.2.3.14.4

SuggestedRemedy

Change the base text in 45.2.3.14.1, 45.2.3.14.2, 45.2.3.14.3, and 45.2.3.14.4 to reflect the changes made by IEEE Std 802.3bq-2016 and also change the editing instructions to say "as modified by IEEE Std 802.3by-2016 and IEEE Std 802.3bq-2016"

Response　　　　　　*Response Status*　**C**

ACCEPT.

Cl **69**　　*SC* **69.1.1**　　　　　*P* **45**　　　*L* **16**　　　# 110

Anslow, Pete　　　　　　　　　　　　Ciena

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

The space in "2.5 Gb/s" should be underlined

SuggestedRemedy

Underline the space

Response　　　　　　*Response Status*　**C**

ACCEPT.

Cl **69**　　*SC* **69.1.1**　　　　　*P* **46**　　　*L* **35**　　　# 111

Anslow, Pete　　　　　　　　　　　　Ciena

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

As Figure 69-2 is the last figure in Clause 69, the figure inserted after it should be Figure 69-3

SuggestedRemedy

Renumber Figure 69-2a to Figure 69-3

Response　　　　　　*Response Status*　**C**

ACCEPT.

Cl **73**　　*SC* **73.3**　　　　　*P* **51**　　　*L* **47**　　　# 112

Anslow, Pete　　　　　　　　　　　　Ciena

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

The editing instruction has been changed and now "Change "2.5GBASE-KX, 5GBASE-KR," in" doesn't make sense.

SuggestedRemedy

Change the editing instruction to "Change the third paragraph of 73.3 (as modified by IEEE Std 802.3by-2016) as shown."

Response　　　　　　*Response Status*　**C**

ACCEPT.

Cl **73**　　*SC* **73.4.6**　　　　*P* **52**　　　*L* **9**　　　# 113

Anslow, Pete　　　　　　　　　　　　Ciena

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

Space missing in "ChangeTable 73–4"

SuggestedRemedy

Add the space

Response　　　　　　*Response Status*　**C**

ACCEPT.

Cl **73**　　*SC* **73.4.6**　　　　*P* **52**　　　*L* **22**　　　# 114

Anslow, Pete　　　　　　　　　　　　Ciena

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

The editing instruction has been changed and now "Change "2.5GBASE-KX, 5GBASE-KR," in" doesn't make sense.

SuggestedRemedy

Change the editing instruction to "Change the third paragraph of 73.6.4 (as modified by IEEE Std 802.3by-2016) as shown."

Response　　　　　　*Response Status*　**C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **114**　　　Page 21 of 28
1/27/2017 7:13:51 PM

Cl **73**   *SC* **73.4.6**   *P* **52**   *L* **29**   # 115
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
"as the MDI and physical medium are different" was deleted by IEEE Std 802.3by-2016.

SuggestedRemedy
Remove the text.

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

Cl **73**   *SC* **73.7.4.1**   *P* **52**   *L* **52**   # 116
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
Spurious "." at the beginning of the editing instruction

SuggestedRemedy
Remove the "."

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

Cl **125**   *SC* **125**   *P* **59**   *L* **1**   # 117
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
Comment #55 against D2.0 was:
ACCEPT IN PRINCIPLE.
Add "Note that Clause 125 was introduced by IEEE Std 802.3bz-2016." above the Clause 125 heading.
However, the text of the note has been changed, it is not above the heading, and it has been marked as "TO BE REMOVED PRIOR TO FINAL PUBLICATION"

SuggestedRemedy
Follow the precedent set in IEEE Std 802.3bm-2015 page 64.
Replace the current note with "Note that Clause 125 was introduced by IEEE Std 802.3bz-2016." above the Clause 125 heading in bold italic font.

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

Cl **125**   *SC* **125.1.4**   *P* **61**   *L* **18**   # 118
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
"Clause 127[tilde]130" should be "Clause 127 to Clause 130"

SuggestedRemedy
Change "Clause 127[tilde]130" to "Clause 127 to Clause 130"

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

Cl **125**   *SC* **125.1.4**   *P* **61**   *L* **25**   # 119
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
The border width in the heading rows of Table 125-2 is incorrect

SuggestedRemedy
Fix the borders

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

Cl **125**   *SC* **125.2.3**   *P* **62**   *L* **9**   # 120
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
"clause number" should be "subclause number"

SuggestedRemedy
Change "clause number" to "subclause number"

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **120**   Page 22 of 28
1/27/2017 7:13:51 PM

Cl **127**   *SC* **127**   *P* **63**   *L* **3**   # 121
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
    Comment #58 against D2.0 was:
    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:"
    ACCEPT.
    However, the text has not been added as an editing instruction and it has been marked as
    "(to be removed prior to publication)"

SuggestedRemedy
    Follow the precedent set in IEEE Std 802.3bm-2015 page 67.
    Replace the current Editor's note with "Insert new Clauses 127 to 130 and corresponding
    new Annexes 127A to 127C and 130A as follows:" just above the Clause 125 heading in
    bold italic font (as per an editing instruction.

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

Cl **127**   *SC* **127.2.5.7**   *P* **76**   *L* **18**   # 122
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
    Space missing in "suppliedon"

SuggestedRemedy
    Add the space

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

Cl **127**   *SC* **127.2.6.1.7**   *P* **86**   *L* **5**   # 123
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
    46.3.1.1 should have character tag "External" applied

SuggestedRemedy
    Apply character tag "External"

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

Cl **127**   *SC* **127.2.6.2.3**   *P* **90**   *L* **33**   # 124
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
    Space missing in "bythe"

SuggestedRemedy
    Add the space

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

Cl **128**   *SC* **128.7.1.4**   *P* **114**   *L* **16**   # 125
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
    The style manual says that "Within each subclause, notes should be numbered
    sequentially"

SuggestedRemedy
    Number the notes

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

Cl **128**   *SC* **128.7.2.5**   *P* **118**   *L* **24**   # 126
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
    Space missing in "ofTable"

SuggestedRemedy
    Add the space

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

Cl **129**   *SC* **129.3.1**   *P* **132**   *L* **26**   # 127
Anslow, Pete   Ciena

Comment Type   **E**   *Comment Status*   **A**
    Space missing in "in51.2"

SuggestedRemedy
    Add the space

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **127**   Page 23 of 28
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/27/2017 7:13:51 PM
SORT ORDER: Comment ID

Cl **129**   *SC* **129.7.6.2**   *P* **137**   *L* **36**   # 128

Anslow, Pete   Ciena

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

"of Clause 51.8" should be "of 51.8"

SuggestedRemedy

Change "of Clause 51.8" to "of 51.8"

Response   *Response Status*   **C**

ACCEPT.

Cl **130**   *SC* **130.1**   *P* **139**   *L* **18**   # 129

Anslow, Pete   Ciena

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

The format of Table 130-1 has been changed from the one used in a very large number of PMD clauses in 802.3

SuggestedRemedy

Revert Table 130-1 back to the version in D2.0 with the exception that "73", "78", and "129" are cross-references with a format "Section" to bring it back to the format used in Clauses 85, 86, 87, 88, 89, 92, 93, 94, 95, 110, 111, 112, 121, 122, 123, 124, 136, 137, 138, 139, 140.

Response   *Response Status*   **C**

ACCEPT.

[Editor's note: add back the words behind the clause numbers, as shown in Clause 85 in 802.3-2015_SECTION6.pdf.

Should read:
73 - Auto Negotiation for Backplane
78 - EEE
129 - PCS and PMA for 64B/66B

Cl **130**   *SC* **130.7.1.4**   *P* **148**   *L* **11**   # 130

Anslow, Pete   Ciena

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

The style manual says that "Within each subclause, notes should be numbered sequentially"

SuggestedRemedy

Number the notes

Response   *Response Status*   **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.5**   *P* **148**   *L* **26**   # 131

Anslow, Pete   Ciena

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

Space missing in "ofTable"

SuggestedRemedy

Add the space

Response   *Response Status*   **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.5**   *P* **149**   *L* **24**   # 132

Anslow, Pete   Ciena

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

There is no Figure 130-4

SuggestedRemedy

Fix the auto-numbering in Clause 130

Response   *Response Status*   **C**

ACCEPT.

Cl **130**   *SC* **130.7.1.6**   *P* **149**   *L* **29**   # 133

Anslow, Pete   Ciena

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

Space missing in "ofTable"

SuggestedRemedy

Add the space

Response   *Response Status*   **C**

ACCEPT.

Cl **69**   *SC* **69.2.3**   *P* **47**   *L* **31**   # 134

Kim, Yong   Broadcom LTD

Comment Type   **TR**   *Comment Status*   **A**

Table 69-2a, 2.5GBASE-KX row, Auto-Neg column, O for optional does not match equivalent spec in CL125

SuggestedRemedy

Change O to an M (so CL73 Auto-Neg is Mandatory for 2.5GBASE-KX).

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **134**   Page 24 of 28
1/27/2017 7:13:51 PM

Cl **00**   *SC* **0**   *P* **12**   *L* **13**   # 135

Kim, Yong   Broadcom LTD

Comment Type   **ER**   *Comment Status*   **A**

Editors note -- "listed other eight amendments…" is not true (at least 10 now). No need to state specific # when amendments are listed below anyway.

SuggestedRemedy

delete "eight " from the editor's note

Response   *Response Status*   **W**

ACCEPT.

Cl **127**   *SC* **127.2.4.1**   *P* **69**   *L* **20**   # 136

McClellan, Brett   Marvell

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

unnecessary line breaks

SuggestedRemedy

remove unnecessary line breaks

Response   *Response Status*   **C**

ACCEPT.

Cl **127**   *SC* **127.2.4.1**   *P* **69**   *L* **28**   # 137

McClellan, Brett   Marvell

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

grammer issue

SuggestedRemedy

change "The nominal rate of operation of the single 2.5GPII 312.5 Msymbols/s ± 100ppm."
to "The nominal rate of operation of the 2.5GPII symbols is 312.5 Msymbols/s ± 100ppm."

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

"The nominal rate of operation of 2.5GPII symbols is 312.5 Msymbols/s ± 100ppm."

Cl **127**   *SC* **127.2.4.2**   *P* **71**   *L* **16**   # 138

McClellan, Brett   Marvell

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

'e' from 'Terminate' is left hanging.

SuggestedRemedy

Resize font, or hyphenate the word.

Response   *Response Status*   **C**

ACCEPT.

Cl **127**   *SC* **127.2.4.5**   *P* **73**   *L* **28**   # 139

McClellan, Brett   Marvell

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

'te' from 'Terminate' is left hanging.

SuggestedRemedy

Resize font, or hyphenate the word.

Response   *Response Status*   **C**

ACCEPT.

Cl **127**   *SC* **127.2.5.7**   *P* **76**   *L* **18**   # 140

McClellan, Brett   Marvell

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

typo

SuggestedRemedy

change "suppliedon" to "supplied on"

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **140**

Page 25 of 28
1/27/2017 7:13:51 PM

Cl **127**　　*SC* **127.2.6.1.3**　　　　*P* **78**　　　*L* **46**　　　# 141
McClellan, Brett　　　　　　　　　　　Marvell

Comment Type　**E**　　　*Comment Status*　**A**
incorrect symbol change

SuggestedRemedy
change to "(tpd<7:0>=0x9C)"

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

(note to editor: replace (tpd<7:0≥0x9C)
with (tpd<7:0> = 0x9C)

Cl **127**　　*SC* **127.2.6.1.3**　　　　*P* **82**　　　*L* **19**　　　# 142
McClellan, Brett　　　　　　　　　　　Marvell

Comment Type　**E**　　　*Comment Status*　**A**
incorrect symbol change

SuggestedRemedy
change to "(tpd<7:0>=0x01)"

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

(note to editor: replace (tpd<7:0≥0x01)
with (tpd<7:0> = 0x01)

Cl **127**　　*SC* **127.2.6.1.4**　　　　*P* **83**　　　*L* **18**　　　# 143
McClellan, Brett　　　　　　　　　　　Marvell

Comment Type　**E**　　　*Comment Status*　**A**
typo

SuggestedRemedy
change "variabletx_disparity" to "variable tx_disparity"

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

Cl **127**　　*SC* **127.2.6.2.3**　　　　*P* **90**　　　*L* **33**　　　# 144
McClellan, Brett　　　　　　　　　　　Marvell

Comment Type　**E**　　　*Comment Status*　**A**
typo

SuggestedRemedy
change "bythe" to "by the"

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

Cl **128**　　*SC* **128.7.2.5**　　　　*P* **118**　　　*L* **24**　　　# 145
McClellan, Brett　　　　　　　　　　　Marvell

Comment Type　**E**　　　*Comment Status*　**A**
typo

SuggestedRemedy
change "oftable" to "of Table"

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

Cl **128A**　　*SC* **128A.3.4.2**　　　　*P* **182**　　　*L* **32**　　　# 146
McClellan, Brett　　　　　　　　　　　Marvell

Comment Type　**E**　　　*Comment Status*　**A**
unnecessary capitalization

SuggestedRemedy
change "Noise" to "noise"

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **146**　　Page 26 of 28
1/27/2017 7:13:51 PM

Cl **128A**　　*SC* **128A.3.4.2**　　　　*P* **182**　　　*L* **40**　　　# 147

McClellan, Brett　　　　　　　　　Marvell

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

missing "GBd"

SuggestedRemedy

change "3.125" to "3.125GBd"

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Change to:
"3.125 GBd"

Cl **128B**　　*SC* **128B.4.3.2**　　　　*P* **193**　　　*L* **4**　　　# 148

McClellan, Brett　　　　　　　　　Marvell

Comment Type　**T**　　　*Comment Status*　**A**

Equation (128B-8) defines a limit, not a region

SuggestedRemedy

change
"within the high confidence region defined by Equation (128B-8)"
to
"be limited by Equation (128B-8)"

Response　　　　　　　*Response Status*　**C**

ACCEPT.

Cl **125**　　*SC* **125.1.4**　　　　*P* **61**　　　*L* **38**　　　# 149

Hidaka, Yasuo　　　　　　　　　Fujitsu Lab of America

Comment Type　**T**　　　*Comment Status*　**A**

In Table 125-2 in clause 125.1.4, Clause 73 Auto-Negotiation for 2.5GBASE-KX was changed from Optional to Mandatory. However, in Table 128-1 in clause 128-1, it remains as optional. Besides, in clause 128.3, the text was changed from "shall" to "may optionally". In the PICS in 128.10.3, the item AN remains as Mandatory. They are inconsistent.

SuggestedRemedy

Make it consistent whether Clause 73 AN is mandatory or optional for 2.5GBASE-KX.

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Adopted objectives at:
http://ieee802.org/3/cb/8023cb_Objectives-Rev_0316a.pdf

Show that:
auto-negotiation is SUPPORTED,
EEE is OPTIONALLY supported.

Make consistent change to MANDATORY auto-neg.
Table 128-1, autonegotiation row becomes 'mandatory'.

Change 128.3 page 108, line 16 to read:
"The PCS associated with this PMD shall support the AN service interface primitive AN_LINK.indication as defined in 73.9."

Change page 138, line 6, AN1 line 'Status' column to "M". On 'Support' column, remove "No[]". Lines AN2 through AN4, change 'Status' column to "M" and remove "N/A[]" from 'Support' column.

Cl **130**　　*SC* **130.7.1.11**　　　　*P* **151**　　　*L* **50**　　　# 150

Hidaka, Yasuo　　　　　　　　　Fujitsu Lab of America

Comment Type　**T**　　　*Comment Status*　**A**

The definition of v1 refers to an undefined variable t.

SuggestedRemedy

Change "t - 2T" to "t_2 - 2T".

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Definition for v1 should read:
"...in the interval t1 + 2T to t2 – 2T"

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **150**

Page 27 of 28
1/27/2017 7:13:51 PM

Cl **130**   *SC* **130.7.1.11**   *P* **151**   *L* **52**   # 151
Hidaka, Yasuo   Fujitsu Lab of America

Comment Type   **T**   *Comment Status*   **X**
v3 is negative steady-state voltage.

SuggestedRemedy
Change "positive" to "negative".

Proposed Response   *Response Status*   **O**

Cl **00**   *SC*   *P*   *L*   # 156
NoName

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

SuggestedRemedy

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

Cl **130**   *SC* **130.7.1.11**   *P* **151**   *L* **53**   # 152
Hidaka, Yasuo   Fujitsu Lab of America

Comment Type   **E**   *Comment Status*   **A**
A new line is missing between "t_3 - 2T" and "v_4".

SuggestedRemedy
Change line after "t_3 - 2T".

Response   *Response Status*   **C**
ACCEPT IN PRINCIPLE.

Add a new line after t3 - 2T

Cl **130**   *SC* **130.7.1.11**   *P* **151**   *L* **53**   # 153
Hidaka, Yasuo   Fujitsu Lab of America

Comment Type   **T**   *Comment Status*   **X**
v_4 is defined as maximum voltage.

SuggestedRemedy
Change "maximum" to "minimum".

Proposed Response   *Response Status*   **O**

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID **156**   Page 28 of 28
1/27/2017 7:13:51 PM