

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.  
 (Note to editor: only performed in Framemaker.)

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.

Please configure project comments

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.

Please configure project comments

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. Possibly insert an editors note to this effect: "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.

Please configure project comments

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 carriage 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.

Please configure project comments

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 130.7.1.6 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 130.7.1.4 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 130.7.1.11 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 130.7.1.5 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 130.7.2 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.

Please configure project comments

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CI 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.

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CI 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.

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CI 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.

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CI 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.

---

CI 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.

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CI 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.

Please configure project comments

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 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 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 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 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 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.

Please configure project comments

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 simialrly modified."

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



Please configure project comments

Response Response Status **W**

ACCEPT IN PRINCIPLE.

Change existing subclause text to:

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

(Delete the rest of the subclause text after "Clause 49".)

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

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

"other eight amendments" 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 and any corrigendum running in parallel."

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.

Please configure project comments

CI 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.

CI 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.)

CI 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.

CI 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.

CI 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 amendment 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.

CI 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.

Please configure project comments

CI 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.

CI 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 amendment projects touching the clause that have not been assigned an amendment number.

Response Response Status C

ACCEPT.

CI 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)

CI 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.

CI 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.

CI 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."

Please configure project comments

CI 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.

CI 128 SC 128.7.1 P 112 L 26 # 58  
 Larry, McMillan Western Digital  
 Comment Type **ER** Comment Status **A**  
 Units column needs a carriage return or line feed to align the first "UI" to Random jitter row  
 SuggestedRemedy  
 Insert a line as commented.  
 Response Response Status **C**  
 ACCEPT.

CI 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.

CI 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.

CI 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".

CI 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.

Please configure project comments

Cl 128 SC 128.7.2.1 P 117 L 44 # 63  
 Larry, McMillan Western Digital  
 Comment Type **T** Comment Status **X** rx tolerance DCD  
 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 **W**

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 -X.

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.

Please configure project comments

Cl 130 SC 130.6.4 P 144 L 8 # 68  
 Larry, McMillan Western Digital

Comment Type T Comment Status A

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

ACCEPT IN PRINCIPLE.

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.

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.

Please configure project comments

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 130.7.1.11 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 130.7.1.7 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 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 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.

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".

Please configure project comments

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  
 between 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.

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.



Please configure project comments

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 130.10.4.4 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 130.10.4.2 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 130.10.4.4 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 130.10.4.2 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 130.10.4.4 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.

Cl 130 SC 130.10.4.2 P 157 L 51 # 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.

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

Please configure project comments

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.

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.

Please configure project comments

CI **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.

CI **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.

CI **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.)

CI **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.

CI **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.

CI **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.

Please configure project comments

CI 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.

CI 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.

CI 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.

CI 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.

CI 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.

CI 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.

Please configure project comments

---

CI 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.

---

CI 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.

---

CI 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.

---

CI 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.

---

CI 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.

---

CI 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.

Please configure project comments

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.

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.

Please configure project comments

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 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 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 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.

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 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 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.

Please configure project comments

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.

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 2.5GPll 312.5 Msymbols/s ± 100ppm."  
 to "The nominal rate of operation of the 2.5GPll symbols is 312.5 Msymbols/s ± 100ppm."  
 Response Response Status C  
 ACCEPT IN PRINCIPLE.  
 "The nominal rate of operation of 2.5GPll symbols is 312.5 Msymbols/s ± 100ppm."



Please configure project comments

CI 127 SC 127.2.4.2 P71 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.

CI 127 SC 127.2.4.5 P73 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.

CI 127 SC 127.2.5.7 P76 L 18 # 140  
 McClellan, Brett Marvell  
 Comment Type E Comment Status A  
 typo  
 SuggestedRemedy  
 change "suppliedon" to "supplied on"  
 Response Response Status C  
 ACCEPT.

CI 127 SC 127.2.6.1.3 P78 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)

CI 127 SC 127.2.6.1.3 P82 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)

CI 127 SC 127.2.6.1.4 P83 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.

Please configure project comments

**CI 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.

**CI 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.

**CI 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.

Change to:  
 "3.125 GBd"

**CI 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.

**CI 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.