

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review comments F Review - D1.0 Comments

Cl 00 SC 0 P L # 64  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Check EVERY sentence for missing period and put one as appropriate. There are multiple instances of that just in CL1.  
 SuggestedRemedy  
 Do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 1 SC 1.4 P 23 L 43 # 14  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Annex 128A describes the 2.5GSEI and not just Clause 128A.2  
 SuggestedRemedy  
 Change Clause 128A.2 to Annex 128A  
 Response Response Status C  
 ACCEPT. Not correct in D1.1. "Annex" not "Clause"

Cl 00 SC 0 P L # 101  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Fix all unresolved cross refereces. There should not be any on the completed draft.  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT.

Cl 1 SC 1.4 P 23 L 52 # 15  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Annex 130A describes the 5GSEI and not just Clause 130A.2  
 SuggestedRemedy  
 Change Clause 130A.2 to Annex 130A  
 Response Response Status C  
 ACCEPT. Not correct in D1.1. "Annex" not "Clause"

Cl 1 SC 1.4 P L # 65  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Accept the PA [Pete Anslow] comment and make XGMII definition to remain "10 GIGABIT Ethernet...".  
 SuggestedRemedy  
 Delete editors comments that starts with "???" -- 1.1.3.2f..." and revert back XGMII definition in CL125, CL127, CL129, diagrams and other places to remain and be consistent to "10 GIGABIT...".  
 Response Response Status C  
 ACCEPT. And in D1.1

Cl 1 SC 1.4 P 24 L 11 # 16  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Need to add 2.5GSEI and 5GSEI  
 SuggestedRemedy  
 Add  
 2.5GSEI 2.5Gb/s Storage Enclosure Interface  
 5GSEI 5Gb/s Storage Enclosure Interface  
 Response Response Status C  
 ACCEPT. Done in D1.1 -- In Subclause 1.5 (not in 1.4 -- considering this as a typo).

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review comments F Review - D1.0 Comments

Cl 30 SC 30.5.1.1.2 P 26 L 8 # 30  
 Lo, William Marvell Semiconducto

Comment Type TR Comment Status A

Multiple issues with 30.5.1.1.2

- 1) Need to add 2.5GBASE-X and 5GBASE-R since they are enumerated in lines 23 and 24.
- 2) Current definitions on 2.5GBASE-KX and 5GBASE-KR should be PMD not PCS/PMA

SuggestedRemedy

Add

2.5GBASE-X X PCS/PMA as specified in Clause 127 over undefined PMD  
 5GBASE-R R PCS/PMA as specified in Clause 129 over undefined PMD

Change current definitions to

2.5GBASE-KX X PCS/PMA over an electrical backplane PMD as specified in Clause 128

5GBASE-KX R PCS/PMA over an electrical backplane PMD as specified in Clause 130

Response Response Status C

ACCEPT. Not completely done in D1.1. Delete missed "P" when deleting PCS/PMA

Cl 30 SC 30.5.1.1.2 P 26 L 9 # 66  
 Kim, Yong Broadcom

Comment Type ER Comment Status A

Change "new entry in" to "two new entries" on line 9 and also line 15

SuggestedRemedy

do so.

Response Response Status C

ACCEPT. Done in D1.1

Cl 45 SC 45.2.1.6 P L # 100  
 Kim, Yong Broadcom

Comment Type ER Comment Status A

Editing instruction -- change to "Change the description for bits 1.7.5:0 in Table 45-7 (as modified by IEEE Std 802.3by-2016, and IEEE Std 802.3bz-201x) as shown and adjust reserved rows as appropriate (unchanged rows not shown.)" from Change the description for bits 1.7.5:0 in Table 45-7 as shown and adjust reserved rows as appropriate.

SuggestedRemedy

do so.

Response Response Status C

ACCEPT. Done in D1.1

Cl 45 SC 45.2.1.7.1 P 27 L 45 # 31  
 Lo, William Marvell Semiconducto

Comment Type ER Comment Status A

Heading 45.2.1.7.1 is incorrect

SuggestedRemedy

Change to 45.2.1.7.4

Response Response Status C

ACCEPT. Done in D1.1

Cl 45 SC 45.2.1.8 P 28 L 21 # 32  
 Lo, William Marvell Semiconducto

Comment Type ER Comment Status A

Table 45-11 should be 45-12

SuggestedRemedy

Table 45-11 should be 45-12

Response Response Status C

ACCEPT. Done in D1.1

Cl 45 SC 45.2.1.14c P 28 L 36 # 67  
 Kim, Yong Broadcom

Comment Type ER Comment Status A

Delete Editors note. Bit assignments are coordinated, so the note is no longer needed

SuggestedRemedy

Do so

Response Response Status C

ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

Cl 45 SC 45.2.1.14c P 28 L 40 # 33  
 Lo, William Marvell Semiconducto

Comment Type ER Comment Status A  
 Table 45-17g by inserting a row for the bit 1.21.3 should be  
 Table 45-17c by inserting a row for the bit 1.21.2

SuggestedRemedy  
 Fix per comment

Response Response Status C  
 ACCEPT. Done in D1.1

Cl 45 SC 45.2.1.14c.b P 29 L 20 # 68  
 Kim, Yong Broadcom

Comment Type E Comment Status A  
 Delete two editors notes one on line 20 and the other on line 27. Tutorial information is not needed.

SuggestedRemedy  
 Do so.

Response Response Status C  
 ACCEPT. Done in D1.1

Cl 45 SC 45.2.1.88 P 29 L 40 # 69  
 Kim, Yong Broadcom

Comment Type ER Comment Status A  
 Delete "Comment PA:..." The "Response:..." text is correct, so act on this comment and resolution by deleting the ??...?? note text.

SuggestedRemedy  
 Do so.

Response Response Status C  
 ACCEPT. Same as Comment #34.

Cl 45 SC 45.2.1.88 P 29 L 40 # 34  
 Lo, William Marvell Semiconducto

Comment Type T Comment Status A  
 Delete PA comment.  
 Same registers controls both 1000BASE-KX and 2.5GBASE-KX

SuggestedRemedy  
 Delete PA comment.

Response Response Status C  
 ACCEPT. Done D1.1

Cl 45 SC 45.2.1.88 P 30 L 7 # 35  
 Lo, William Marvell Semiconducto

Comment Type T Comment Status A  
 Delete PA comment - but need to accept the comment.  
 See below for remedy.

SuggestedRemedy  
 Delete PA comment.  
 add:  
 "The assignment of bits in the 1000BASE-KX/2.5GBASE-KX control register shown in Table 45-69"

(i.e. add the /2.5GBASE-KX to the sentence

Response Response Status C  
 ACCEPT IN PRINCIPLE.  
 Delete PA comment -- done in D1.1.  
 But the "Insert /2.5GBASE-FX' to the sentence" does not exist. So do not see where to insert. Commenter to clarify and resubmit.

Clarification from the commenter:  
 "Comment #35 was rejected but comments #34 and #70 were accepted.  
 I got confused here and mixed #34 and #35. I tried to further fix the text in #34 with #35 and never actually fixed the text in #35.

The gist of it is in 802.3bx the following text below all instances of 1000BASE-KX have to be change to 1000BASE-KX/2.5GBASE-KX including the sentences in the paragraphs.  
 Can you interpret both comments #34 and #35 as such and do an accept in principle.  
 Otherwise can you file a comment. to fix these since I won't be at the meeting. Thanks, William"

Changes due to this comment (accepted IP) are: adding 45.2.1.1.5 edit, 45.2.3.1.2 edit, 45.2.7.2.1 edit,

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review comments F Review - D1.0 Comments

CI 45 SC 45.2.1.89 P 30 L 7 # 70  
 Kim, Yong Broadcom

Comment Type E Comment Status A  
 Delete "Comment PA:..." The "Response:..." text is correct, so act on this comment and resolution by deleting the ??...?? note text.

SuggestedRemedy  
 do so.

Response Response Status C  
 ACCEPT. Done in D1.1

CI 45 SC 45.2.3 P 30 L 22 # 36  
 Lo, William Marvell Semiconducto

Comment Type TR Comment Status A  
 Delete PA comment - but need to accept the comment.  
 See below for remedy.

SuggestedRemedy  
 Delete PA comment.

In table 45-119 from 802.3by change to  
 (i.e. add the 5G speed)

3.34 through 3.37  
 5/10/25GBASE-R PCS test pattern seed A  
 45.2.3.15

3.38 through 3.41  
 5/10/25GBASE-R PCS test pattern seed B  
 45.2.3.16

Response Response Status C  
 ACCEPT. Done in D1.1

CI 45 SC 45.2.3 P 30 L 24 # 37  
 Lo, William Marvell Semiconducto

Comment Type TR Comment Status A  
 Missed a register change needed for loopback.

SuggestedRemedy  
 Add the following:

45.2.3.1 PCS control 1 register (Register 3.0)  
 45.2.3.1.2 Loopback (3.0.14)  
 Copy the text from 802.3bz and make the following change:  
 Change all instances of 10GBASE-R to 5/10GBASE-R

Response Response Status C  
 ACCEPT.

First comment - Adding 45.2.3.1 already added by 802.3bz -- not needed? Discuss.

Second comment -- Loopback -- changes to 45.2.3.1.2 done (ACCEPT). "5/" inserted 3 times. Done in D1.1

CI 45 SC 45.2.3.7a P 31 L 3 # 71  
 Kim, Yong Broadcom

Comment Type ER Comment Status A  
 Delete Editor's note -- outlived its useful relevance.

SuggestedRemedy  
 do so.

Response Response Status C  
 ACCEPT. Done in D1.1

CI 45 SC 45.2.3.13.1 P 32 L 34 # 38  
 Lo, William Marvell Semiconducto

Comment Type E Comment Status A  
 Missing space

SuggestedRemedy  
 Add space to the following:  
  
 in 126.3.7.1

Response Response Status C  
 ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review comments F Review - D1.0 Comments

Cl 45 SC 45.2.3.13.5 P 32 L 50 # 39  
 Lo, William Marvell Semiconducto

Comment Type E Comment Status A  
 Missing underline

SuggestedRemedy

Underline 5/ in 5/10/25GBASE-R

Response Response Status C  
 ACCEPT. Done in D1.0

Cl 45 SC 45.2.3.14 P 33 L 1 # 117  
 McClellan, Brett Marvell

Comment Type E Comment Status D  
 802.3bq changed many instances of "10GBASE-T" to "MultiGBASE-T" including the name of register 3.33.  
 Need to align with 802.3bq and bz

SuggestedRemedy

change "10GBASE-T" to "MultiGBASE-T"  
 also search and replace other instances changed by bq and bz.

Proposed Response Response Status W  
 PROPOSED ACCEPT. Not a change requested by this group. Editorial correciton.

Cl 45 SC 45.2.3.16 P 34 L 9 # 40  
 Lo, William Marvell Semiconducto

Comment Type TR Comment Status A  
 Wrong seed

SuggestedRemedy

Change seed A  
 to  
 seed B

Response Response Status C  
 ACCEPT. Done in D1.1

Cl 45 SC 45.2.7.12 P 34 L 28 # 118  
 McClellan, Brett Marvell

Comment Type E Comment Status D  
 typo "2.5GGBASE-KX"

SuggestedRemedy

change "2.5GGBASE-KX" to "2.5GBASE-KX"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 45 SC 45.2.7.14ab P 35 L 30 # 41  
 Lo, William Marvell Semiconducto

Comment Type E Comment Status A  
 5GBASE-R should be 5GBASE-KR

SuggestedRemedy

See comment

Response Response Status C  
 ACCEPT. In D1.1

Cl 45 SC 45.3 P 37 L # 73  
 Kim, Yong Broadcom

Comment Type ER Comment Status A  
 Insert the following 2.5KX and 5KR rows before the 5T row in 45.5.3 as modified by IEEE Std 802.3bz-2016 (unchanged rows not shown)  
 ItemFeatureSubclauseValue/CommentStatusSupport  
 2.5GKXImplementation of 2.5GBASE-KX PMA/PMD45.2.1.14c.bPMA:OYes [ ]  
 No [ ]  
 5GKRImplementation of 5GBASE-KR PMA/PMD45.2.1.14c.aPMA:OYes [ ]  
 No [ ]

SuggestedRemedy

Do so.

Response Response Status C  
 ACCEPT.

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

CI 45 SC 45.5.2.3 P 37 L # 72  
Kim, Yong Broadcom

Comment Type ER Comment Status A

Insert the following 2.5G and 5G rows (this should have been done by 802.3bz but wasn't. Submitted as a sponsor ballot comment to .3bz) before the 5T row in 45.5.3 as modified by IEEE Std 802.3bz-2016 (unchanged rows not shown).

ItemFeatureSubclauseValue/CommentStatusSupport  
2.5GImplementation of 2.5 Gb/s PMA/PMD45.2.1.4PMA:OYes [ ]  
No [ ]  
5GImplementation of 5 Gb/s PMA/PMD45.2.1.4PMA:OYes [ ]  
No [ ]

SuggestedRemedy

Either a) confirm that 802.3bz added this, b) put the editing instructions as provided.

Response Response Status C

ACCEPT IN PRINCIPLE. Likely to get accepted in 802.3bz sponsor. So a) take no action.

CI 45 SC 45.5.3.1 P 37 L # 74  
Kim, Yong Broadcom

Comment Type E Comment Status A

Change the following MM124 row by adding 2.5GBASE-KX and 5GBASE-KR as shown below. (unchanged rows not shown). Note: 802.3by does NOT have similar modification. Should it?

SuggestedRemedy

ItemFeatureSubclauseValue/CommentStatusSupport  
Add 2.5G and 5G in MM124 as follows -  
MM124 Backplane Ethernet AN ability bit is set to 1 for 1000BASE-KX, 2.5GBASE-KX, 5GBASE-KR, 10GBASE-KX4 and 10GBASE-KR PHYs.45.2.7.12.32.5GKX:M; 5GKX:M; KX:M; KX4:M ;KR:MYes [ ] N/A [ ]

Response Response Status C

ACCEPT. Done in D1.1

CI 45 SC 45.5.3.6 P 38 L # 75  
Kim, Yong Broadcom

Comment Type TR Comment Status A

Add PCS options for 2.5G-KX and 5G-KR, and build/complete the optional mandatory tables for both.

SuggestedRemedy

PCS table entries are  
ItemFeatureSubclauseValue/CommentStatusSupport  
\*2.5GXImplementation of 2.5GBASE-X PCS45.2.3.7aAN:MYes [ ]  
N/A [ ]  
\*5GRImplementation of 5GBASE-R PCS45.2.3.7aAN:MYes [ ]  
N/A [ ]

And complete the PICS group for each of 2.5GX and 5GR.

Response Response Status C

ACCEPT. Proposed text done in D1.1. But the rest of the "complete the table" not done in D1.1

CI 69 SC 69.1.1 P L # 98  
Kim, Yong Broadcom

Comment Type ER Comment Status A

Change the editing instruction to "Insert two lines after the 1000BASE-KX line on the list after the second paragraph of 69.1.1." from "Insert two lines after the 1000BASE-KX on the list after the second paragraph of 69.1.1.", i.e. inserting "line" after -KX.

SuggestedRemedy

do so.

Response Response Status C

ACCEPT. Done in D1.1

CI 69 SC 69.1.2 P L # 99  
Kim, Yong Broadcom

Comment Type ER Comment Status A

Delete editing instructions on XGMII. So delete the following  
"Change XGMII Legend in Figure 69-1 as shown:  
XGMII = 2.5 Gb/s, 5 Gb/s, and 10 Gb/s GIGABIT MEDIA INDEPENDENT INTERFACE"

SuggestedRemedy

do so

Response Response Status C

ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

Cl 69 SC 69.2.3 P 45 L 26 # 119  
McClellan, Brett Marvell

Comment Type E Comment Status D  
Table 69-2a in the column for Clause 130 "2.5GBASE-KR PMD" should be "5GBASE-KR PMD"

SuggestedRemedy  
change "2.5GBASE-KR PMD" to "5GBASE-KR PMD"

Proposed Response Response Status W  
PROPOSED ACCEPT. Typo editorial

Cl 73 SC 73.2 P L # 102  
Kim, Yong Broadcom

Comment Type ER Comment Status A  
Change the editing instruction by deleting XGMII legend reference, so change to read "Change (add 2.5 Gb/s and 5 Gb/s in medium rates) Figure 73-1 as shown."

SuggestedRemedy  
do so.

Response Response Status C  
ACCEPT. Done in D1.1

Cl 73 SC 73.2 P 47 L 37 # 124  
McClellan, Brett Marvell

Comment Type T Comment Status D  
Figure 73-1, XGMII is defined here as:  
"XGMII = 2.5 Gb/s, 5 Gb/s, 10 Gb/s GIGABIT MEDIA INDEPENDENT INTERFACE"  
however Clause 46 still defines XGMII as "XGMII = 10 GIGABIT MEDIA INDEPENDENT INTERFACE"

SuggestedRemedy  
change "XGMII = 2.5 Gb/s, 5 Gb/s, 10 Gb/s GIGABIT MEDIA INDEPENDENT INTERFACE"  
to "XGMII = 10 GIGABIT MEDIA INDEPENDENT INTERFACE" here and pages 57, 64,  
and 126.

Proposed Response Response Status W  
PROPOSED REJECT.  
All XGMII definition to revert back to "10 GIGABIT..."

Cl 73 SC 73.7.4.1 P 49 L 3 # 42  
Lo, William Marvell Semiconducto

Comment Type E Comment Status A  
Missing space

SuggestedRemedy  
Add space between  
in 73.7.4.1

Response Response Status C  
ACCEPT. Done in D1.1.  
"eagle eyes William"

Cl 78 SC 78.1.1 P 53 L 18 # 43  
Lo, William Marvell Semiconducto

Comment Type TR Comment Status A  
Not all PCS types support FEC.  
Clause 129 PCS does not support BASE-R FEC.

SuggestedRemedy  
Change  
these PCS types  
to  
the Clause 49 PCS and Clause 82 PCS

Response Response Status C  
ACCEPT. Done in D1.1

**Cl 78**    **SC 78.1.3.3**                      **P 53**            **L 25**            # **44**  
 Lo, William                                      Marvell Semiconducto

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

Clause 78.1.3.3.1 got dropped.  
 Put back

**SuggestedRemedy**

78.1.3.3.1 PHY LPI transmit operation

Change the fourth paragraph of 78.1.3.3.1 as shown.

The EEE capability in most PHYs (for example, 100BASE-TX, 10GBASE-T, 1000BASE-KX, 2.5GBASE-KX, 5GBASE-KR, 10GBASE-KR, and 10GBASE-KX4) requires the local PHY transmitter to go quiet after sleep is signalled.

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

ACCEPT. Back in D1.1

**Cl 78**    **SC 78.1.4**                              **P 53**            **L 30**            # **45**  
 Lo, William                                      Marvell Semiconducto

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

Delete extra colon at end of sentence

**SuggestedRemedy**

See comment

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

ACCEPT. Done in D1.1

**Cl 78**    **SC 78.2**                                      **P 54**            **L 10**            # **125**  
 McClellan, Brett                                      Marvell

**Comment Type**    **T**                      **Comment Status**    **D**

In Table 78–2 the timing entries for 5GBASE-KR are the same as 10GBASE-KR.  
 Should these values be doubled since the clock cycle for 5G is twice that of 10G?

**SuggestedRemedy**

If the EEE timing is based on clock cycles, then double the values for 5GBASE-KR.

**Proposed Response**                      **Response Status**    **W**

PROPOSED ACCEPT IN PRINCIPLE. The answer to the question is no. So concern does not require any change.

**Cl 78**    **SC 78.5**                                      **P 54**            **L 20**            # **126**  
 McClellan, Brett                                      Marvell

**Comment Type**    **T**                      **Comment Status**    **X**

In Table 78–4 the timing entries for 2.5GBASE-KX are the same as 1000BASE-KX though the bit rate is 2.5 times faster.  
 should these timings change to account for clock cycle difference? Or should the timing match 10GBASE-KX4 which has the same bit rate?

**SuggestedRemedy**

None.

**Proposed Response**                      **Response Status**    **W**

PROPOSED ACCEPT IN PRINCIPLE. The answer to the question is no. So concern does not require any change.

**Cl 78**    **SC 78.5**                                      **P 54**            **L 22**            # **127**  
 McClellan, Brett                                      Marvell

**Comment Type**    **T**                      **Comment Status**    **X**

In Table 78–4 the timing entries for 5GBASE-KR are the same as 10GBASE-KR though the bit rate is half.  
 Should these timings change to account for clock cycle difference?

**SuggestedRemedy**

None

**Proposed Response**                      **Response Status**    **W**

PROPOSED ACCEPT IN PRINCIPLE. The answer to the question is no. So concern does not require any change.

**Cl 125**    **SC 125**                                      **P 55**            **L 1**                # **17**  
 Lo, William                                      Marvell Semiconducto

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

Strip down Clause 125 to bare minimum highlighting the differences only.

**SuggestedRemedy**

See comment. Editor has discretion.

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

ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review comments F Review - D1.0 Comments

Cl 125 SC 125.1.2 P 55 L # 86  
 Kim, Yong Broadcom  
 Comment Type E Comment Status A  
 Act on the Editor's note and convert the CL125 to series of editing instructions. Draft is not complete unless done so.  
 SuggestedRemedy  
 Do so, and make editing instructions more explicit and clearer, wherever necessary.  
 Response Response Status C  
 ACCEPT. See Comment #17

Cl 125 SC 125.1.2 P 55 L 40 # 18  
 Lo, William Marvell Semiconducto  
 Comment Type ER Comment Status A  
 Item d is new - need to underline it.  
 SuggestedRemedy  
 See comment.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 125 SC 125.1.4 P L # 103  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Please consider adding 128A and 130A as optional electrical so that readers could find the storage backplane electrical specification easier.  
 SuggestedRemedy  
 Do so.  
 Response Response Status C  
 ACCEPT IN PRINCIPLE.  
 CL128 refereces Annex 128A. So no problem exist. But Editor to add a note or sentence referring to existance of 128A and 130A in CL125.1.4. Giving editorial rights to the editor.

Cl 125 SC 125.1.4 P 58 L 13 # 1  
 Lo, William Marvell Semiconducto  
 Comment Type ER Comment Status A  
 2.5GBASE-KX and 5GBASE-KR are new - need to underline it.  
 SuggestedRemedy  
 See comment.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 125 SC 125.1.4 P 58 L 19 # 2  
 Lo, William Marvell Semiconducto  
 Comment Type ER Comment Status A  
 missing space  
 SuggestedRemedy  
 Add space between  
 reference columns  
 Response Response Status C  
 ACCEPT. Done in D1.1  
 Space added between "Change Table"

Cl 125 SC 125.1.4 Table 125-1 P 58 L 13 # 128  
 McClellan, Brett Marvell  
 Comment Type T Comment Status D  
 "2.5 Gb/s PHY using 2.5GBASE-X encoding over one lane of an electrical backplane" The encoding is 8B/10B, not 2.5GBASE-X.  
 SuggestedRemedy  
 change "2.5GBASE-X" to "8B/10B"  
 and line 15 change "5GBASE-R" to "64B/66B"  
 Proposed Response Response Status W  
 PROPOSED REJECT. 2.5GBASE-X specification in CL128 is more than 8B/10B (PCS datapath); ditto on 5GBASE-R in CL130 64/66B).

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

Cl 125 SC 125.2.2 P 59 L 52 # 3  
 Lo, William Marvell Semiconducto  
 Comment Type ER Comment Status A  
 Sentence is new - need to underline it.  
 SuggestedRemedy  
 See comment.  
 Response Response Status C  
 ACCEPT. Editing instruction now uses "Insert", so no underlined sentence.

Cl 125 SC 125.2.2 P 59 L 52 # 120  
 McClellan, Brett Marvell  
 Comment Type E Comment Status D  
 missing "the"  
 SuggestedRemedy  
 change "uses PCS" to "uses the PCS"  
 also this line is missing and underline to indicate changed text.  
 page 60 line 16 change "uses PMA" to "uses the PMA"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT IN PRINCIPLE. Accept insertion of "the" in two places. Underline is not done when the editing instruction is "Insert"

Cl 125 SC 125.2.3 P 60 L 18 # 121  
 McClellan, Brett Marvell  
 Comment Type E Comment Status D  
 error in editor's instructions  
 SuggestedRemedy  
 change "Insert the 125.2.4 as shown and change existing 125.2.4 (..type BASE-T) cluasenumber to 125.2.4.1 as shown. "  
 to  
 "Insert new header "125.2.4 Auto-Negotiation" as shown and change existing header 125.2.4 (..type BASE-T) clause number to 125.2.4.1 as shown. "  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 125 SC 125.2.4.2 P 60 L 32 # 4  
 Lo, William Marvell Semiconducto  
 Comment Type ER Comment Status A  
 Clause 125.2.4.2 is new - need to underline entire clause.  
 SuggestedRemedy  
 See comment.  
 Response Response Status C  
 ACCEPT.  
 Editing instruction now uses "Insert", so no underlined sentence.

Cl 125 SC 125.3 P 61 L 22 # 5  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Delete PA comment in both cells  
 Clause 70.4 1000BASE-KX PCS+PMA+PMD delay is 328 bits  
 This is not an integer pause\_quanta. i.e 328/512 = 0.640625  
 For 2.5GBASE-KX we are making the entire PCS+PMA+PMD to be 1024 which is an integer pause\_quanta. We are giving PCS more budget where it is needed instead of doing 512 bits for PCS+PMA and 512 bits for PMD.

SuggestedRemedy  
 Delete PA comment in both cells  
 Response Response Status C  
 ACCEPT IN PRINCIPLE.  
 Discuss. Just deleting the PA comment does not fix the issue. Quanta requires integer value, so only remedy may be:  
 a) PCS/PMA 2=PQ, PMD=1 PQ, or  
 b) PCS/PMA/PMD = 2 PQ (this choice will reduce the entry to PHY (=PCS/PMA/PMD)).  
 Delete 2.5G PCS/PMA line, replace 2.5G "PMD" with "PHY", state 2 PQ, and keep both references.

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

CI 127 SC 127.1.2 P 63 L 24 # 122  
 McClellan, Brett Marvell  
 Comment Type E Comment Status D  
 extra period  
 SuggestedRemedy  
 delete extra period  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 127 SC 127.2.2 P 65 L 51 # 123  
 McClellan, Brett Marvell  
 Comment Type E Comment Status D  
 delete unnecessary commas  
 SuggestedRemedy  
 change "When communicating with the XGMII, the PCS uses, in each direction, 32 data signals (TXD <31:0> and RXD <31:0>), four control signals (TXC <3:0> and RXC <3:0>), and a clock (TX\_CLK and RX\_CLK)." to "  
 "When communicating with the XGMII the PCS uses in each direction 32 data signals (TXD <31:0> and RXD <31:0>), four control signals (TXC <3:0> and RXC <3:0>), and a clock (TX\_CLK and RX\_CLK).  
 on page 66 line 41 change  
 "When communicating with the PMA, the PCS uses a ten-bit wide, synchronous data path, tx\_codegroup<9:0>, rx\_code-group<9:0>, which conveys ten-bit code-groups."  
 to  
 "When communicating with the PMA the PCS uses a ten-bit wide synchronous data path, tx\_codegroup<9:0> and rx\_code-group<9:0>, which conveys ten-bit code-groups."  
 Proposed Response Response Status W  
 PROPOSED ACCEPT IN PRINCIPLE. First comment accepted with deletion of one of two commas. Second comment ACCEPT.

CI 127 SC 127.2.4.5 P 70 L 54 # 6  
 Lo, William Marvell Semiconducto  
 Comment Type E Comment Status A  
 Delete ( )  
 SuggestedRemedy  
 Delete the parenthesis  
 Response Response Status C  
 ACCEPT. Just one set of ( ) deleted. Done in D1.0

CI 127 SC 127.2.5 P 71 L 49 # 7  
 Lo, William Marvell Semiconducto  
 Comment Type E Comment Status A  
 Delete extra period at end of paragraph  
 SuggestedRemedy  
 See comment  
 Response Response Status C  
 ACCEPT. Done in D1.1

CI 127 SC 127.2.6.1.3 P 77 L 26 # 8  
 Lo, William Marvell Semiconducto  
 Comment Type E Comment Status A  
 Delete extra period at end of paragraph  
 SuggestedRemedy  
 See comment  
 Response Response Status C  
 ACCEPT. Done in D1.1

CI 127 SC 127.2.6.1.3 P 77 L 31 # 9  
 Lo, William Marvell Semiconducto  
 Comment Type E Comment Status A  
 Add period at end of paragraph  
 SuggestedRemedy  
 See comment  
 Response Response Status C  
 ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

Cl 127 SC 127.2.6.1.4 P 80 L 50 # 10  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 should be table 36-1a-e  
 SuggestedRemedy  
 Change 36a-e  
 to  
 36-1a-e  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 127 SC 127.2.6.1.4 P 81 L 4 # 11  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 should be table 36-1a-e  
 SuggestedRemedy  
 Change 36a-e  
 to  
 36-1a-e  
 Two instances of this.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 127 SC 127.2.6.2.6 P 94 L 16 # 12  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 ) at the wrong place.  
 Put it at the end.  
 SuggestedRemedy  
 ) at the wrong place.  
 Put it at the end just like the other 4 states below it.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 127 SC 127.2.6.2.7 P 95 L 4 # 13  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Wrong reference  
 (See Clause 36.2.5.2.9)  
 SuggestedRemedy  
 Figure 127-10 should be Table 36-10  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128 SC 128.4 P 108 L 25 # 19  
 Lo, William Marvell Semiconducto  
 Comment Type E Comment Status A  
 Delete extra comma  
 SuggestedRemedy  
 Delete extra comma after Clasue 31  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128 SC 128.6.5 P 110 L 34 # 87  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete Editor's note. No longer relevent.  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

Cl 128 SC 128.6.5 P 110 L 35 # 20  
 Lo, William Marvell Semiconducto  
 Comment Type ER Comment Status A  
 Remove editor's note  
 TBDs are resolved.  
 SuggestedRemedy  
 Remove editor's note  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128 SC 128.6.6 P 111 L 4 # 21  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Wrong reference  
 SuggestedRemedy  
 Should be 45.2.1.1.5  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128 SC 128.7 P 112 L # 88  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete Editor's note. No longer relevent.  
 SuggestedRemedy  
 do so  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128 SC 128.7 P 112 L 3 # 22  
 Lo, William Marvell Semiconducto  
 Comment Type ER Comment Status A  
 Remove editor's note  
 TBDs are resolved.  
 SuggestedRemedy  
 Remove editor's note  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128 SC 128B.2.1 P 190 L 5 # 114  
 patra, lenin Marvell Semiconducto  
 Comment Type T Comment Status A  
 " Regardless of equalization setting" text should be removed as 2.5GBASE-KX does not  
 have any Transmitter equalization  
 SuggestedRemedy  
 Remove the Text : regardless of equalization setting  
 Response Response Status C  
 ACCEPT. Done in D1.1  
 Good catch!

Cl 128 SC 128C.4.6.4 P 199 L 37 # 113  
 patra, lenin Marvell Semiconducto  
 Comment Type E Comment Status A  
 Extra parenthesis on 2GHz should be removed  
 SuggestedRemedy  
 2GHZ) should be replaced with 2GHz  
 Response Response Status C  
 ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

Cl 128A SC 128A.1 P 172 L 52 # 53  
 Smith, Daniel Seagate Technology  
 Comment Type TR Comment Status A  
 0.3608 s/b: 3.608 in first equation  
 SuggestedRemedy  
 change equation 128A-1  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128A SC Figure 128A-3 P 173 L 28 # 54  
 Smith, Daniel Seagate Technology  
 Comment Type TR Comment Status A  
 reformat graph to match equation  
 SuggestedRemedy  
 replace Figure with new plot from Dan Smith  
 Response Response Status C  
 ACCEPT.

Cl 128A SC 128A.3.1.2 P 176 L 41 # 95  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete both editors notes (line 41 and line 50)  
 SuggestedRemedy  
 DO SO  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128A SC Figure 128A-7 P 177 L 51 # 55  
 Smith, Daniel Seagate Technology  
 Comment Type TR Comment Status A  
 reformat graph to match equation and use logarithmic x-axis  
 SuggestedRemedy  
 replace Figure with new plot from Dan Smith  
 Response Response Status C  
 ACCEPT IN PRINCIPLE.  
 Editor to annotate x-axis with non-scientific notation.

Cl 128A SC 128A.3.1.4.1 P 178 L 5 # 96  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note.  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128B SC P 189 L 5 # 97  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note.  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128A SC 128A.3.3 P 182 L 33 # 76  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128C SC 128C.4.1 P L # 104  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note "?? any..... 0.312GHz ??"  
 SuggestedRemedy  
 do so  
 Response Response Status C  
 ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review comments F Review - D1.0 Comments

CI 128C SC 128C.4.1 P 194 L 34 # 115  
 patra, lenin Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Fmax is set to 15GHz  
 SuggestedRemedy  
 Fmax should be set to 7GHz  
 Response Response Status C  
 ACCEPT. Done in D1.1 but discuss.

CI 128C SC 128C.4.2 P L # 105  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete Meliz comment note "?? Figure 128C-2 to be generated to the frequency f2 only - Melitz comment??  
 SuggestedRemedy  
 do so  
 Response Response Status C  
 ACCEPT. Done in D1.1

CI 128C SC 128C.4.3 P L # 106  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete Melitz comment "?? equation ... ??  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

CI 128C SC 128C.4.3 P 196 L 33 # 116  
 patra, lenin Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Insertion loss frequency points need to be changed. Fmin and Fmax should be specified in the equation  
 SuggestedRemedy  
 0.05 < f < 1.5625 should be rewritten as:  
 Fmin < f < 1.5625  
 1.5625 < f < 2.34375 should to be rewritten as  
 1.5625 < f < Fmax  
 Response Response Status C  
 ACCEPT. Done in D1.1  
 Good catch.

CI 128C SC Annex 128C.4.2 P 196 L 2 # 107  
 Zhang, Jin Marvell Semiconducto  
 Comment Type T Comment Status A  
 The figure 128C-2 needs to be updated  
 SuggestedRemedy  
 Use Figure 128C\_2\_fittedInsertionloss.bmp  
 Response Response Status C  
 ACCEPT IN PRINCIPLE. Commenter to re-submit with Y-axis negative scale changed to positive.

CI 128D SC P 201 L 8 # 77  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note.  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 128D SC 128D.2 P 203 L 3 # 78  
 Kim, Yong Broadcom

Comment Type ER Comment Status A  
 Discuss editors note (clause contributor's comment) and close it.

And also apply that discussion to note on 130A.2, and consider both.

SuggestedRemedy

Decide on a action to close this note on 128D.2 and 130A.2

Response Response Status C

ACCEPT IN PRINCIPLE. Comment not clear.

Commentor clarified (Anthony). Editors note terms are all satisfied. Delete the editor's note.

Cl 128D SC 128D.2.2 P 204 L 32 # 60  
 Smith, Daniel Seagate Technology

Comment Type TR Comment Status A

Insertion Loss is the incorrect term..

SuggestedRemedy

Change all "Insertion Loss" references to "Return Loss" on lines 32 and 37

Response Response Status C

ACCEPT. Done in D1.1

Cl 128D SC 128D.2.2 P 204 L 32 # 59  
 Smith, Daniel Seagate Technology

Comment Type TR Comment Status A

Equation 128D-4 is incorrect

SuggestedRemedy

Change equation 128D-4 to:  
 $y(f) = 17-f \quad 0.01 \leq f < 4$   
 $y(f) = 15-0.5f \quad 4 \leq f < 5.15625$

Response Response Status C

ACCEPT. Done in D1.1  
 Just changing "+" with "-" twice.

Cl 128D SC Figure 128D-2 P 202 L 27 # 56  
 Smith, Daniel Seagate Technology

Comment Type TR Comment Status A

reformat graph to match equation

SuggestedRemedy

replace Figure with new plot from Dan Smith

Response Response Status C

ACCEPT.

Cl 128D SC Figure 128D-4 P 204 L 22 # 57  
 Smith, Daniel Seagate Technology

Comment Type TR Comment Status A

reformat graph to match equation and use logarithmic x-axis

SuggestedRemedy

replace Figure with new plot from Dan Smith

Response Response Status C

ACCEPT.

Cl 128D SC Figure 128D-5 P 205 L 19 # 58  
 Smith, Daniel Seagate Technology

Comment Type TR Comment Status A

reformat graph to match equation and use logarithmic x-axis

SuggestedRemedy

replace Figure with new plot from Dan Smith

Response Response Status C

ACCEPT IN PRINCIPLE. Commenter to resubmit

Cl 129 SC 129.1.1 P 125 L 12 # 23  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Need both PCS and PMA  
 SuggestedRemedy  
 "the PMA"  
 should be  
 "the PCS and PMA"  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 129 SC 129.1.3 P 126 L 33 # 24  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Need both PCS and PMA  
 SuggestedRemedy  
 "PMA"  
 should be  
 "PCS and PMA"  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 129 SC 129.2.1 P 127 L 46 # 25  
 Lo, William Marvell Semiconducto  
 Comment Type E Comment Status A  
 Add missing period at end of paragraph.  
 SuggestedRemedy  
 See comment  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 129 SC 129.2.2 P 129 L 30 # 26  
 Lo, William Marvell Semiconducto  
 Comment Type TR Comment Status A  
 Incorrect variable label.  
 SuggestedRemedy  
 rx\_data\_unit  
 should be  
 rx\_data-group  
 2 instances  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 129 SC 129.2.3 P 37 L # 89  
 Kim, Yong Broadcom  
 Comment Type E Comment Status A  
 Change "Note that these.." to "These.."  
 SuggestedRemedy  
 Style. Ugggghhh!  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 129 SC 129.2.3 P 129 L 34 # 27  
 Lo, William Marvell Semiconducto  
 Comment Type E Comment Status A  
 It would be good if Clause 129.2.3 heading and text appear before Figure 129-2  
 since text is describing the figures.  
 SuggestedRemedy  
 See comment  
 Response Response Status C  
 ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review comments F Review - D1.0 Comments

**Cl 129** SC **129.2.4** P **130** L **8** # **28**  
 Lo, William Marvell Semiconducto

**Comment Type E** **Comment Status A**  
 It would be good if table 129-1 and 129-2 appear right after clause 129.2.4 since text is describing the tables.

**SuggestedRemedy**  
 See comment

**Response** **Response Status C**  
 ACCEPT. Done in D1.1  
 Forced pagination to do this \* May not please IEEE editors \*

**Cl 129** SC **129.7** P **132** L # **90**  
 Kim, Yong Broadcom

**Comment Type TR** **Comment Status A**  
 PICS for CL 129 not done. Also CL127, CL128, CL130, Annex 128A, Annex 128D, Annex 130A PICS also needs to be completed.

**SuggestedRemedy**  
 Do so.

**Response** **Response Status C**  
 ACCEPT IN PRINCIPLE.  
 AI: DS to do PICS, and current Editor to edit for the next draft rev.

**Cl 130** SC **130.6.8** P **145** L **17** # **29**  
 Lo, William Marvell Semiconducto

**Comment Type TR** **Comment Status A**  
 Wrong reference

**SuggestedRemedy**  
 45.2.1.7.1 should be  
 45.2.1.7.4

**Response** **Response Status C**  
 ACCEPT. Done by reference correction by other comment.

**Cl 130** SC **130.7.1** P **146** L **5** # **91**  
 Kim, Yong Broadcom

**Comment Type ER** **Comment Status A**  
 Editor's note no longer relevant. Delete.

**SuggestedRemedy**  
 Do so.

**Response** **Response Status C**  
 ACCEPT. Done in D1.1

**Cl 130** SC **130.7.1** P **146** L **35** # **51**  
 Wu, Peter Marvell Semiconducto

**Comment Type TR** **Comment Status A**  
 The total jitter is 0.30 UI instead of 0.28 UI at table 130-4

**SuggestedRemedy**  
 Change 0.28 to 0.30

**Response** **Response Status C**  
 ACCEPT. Done in D1.1

**Cl 130** SC **130.7.1.2** P **147** L **30** # **52**  
 Wu, Peter Marvell Semiconducto

**Comment Type E** **Comment Status A**  
 At Equation 130-1, Return\_loss min is not necessary

**SuggestedRemedy**  
 removed, it reads:  
 Return\_loss(f) >= 20

**Response** **Response Status C**  
 ACCEPT. Done in D1.1

CI 130 SC 130.7.1.2 P 147 L 35 # 46  
 Wu, Peter Marvell Semiconducto

Comment Type E Comment Status A

At Equation 130-2, the X operator should be removed and base 10 should be pulled closer to log, and the "returnloss min" is not necessary, missing "MHz" ( refer to format used in Equation 72-3 )

SuggestedRemedy

remove "x" and pull "10" to "log", and remove "Returnloss min", add "MHZ" in Equation.

Return\_loss(f) >= 10 - 13.275log10(f/1289MHz)

Response Response Status C

ACCEPT. Done in D1.1  
 With exception that log base 10 could not be pulled closer.

CI 130 SC 130.7.1.6 P 149 L 29 # 47  
 Wu, Peter Marvell Semiconducto

Comment Type E Comment Status A

"Return\_lossmin" at 130-5 is not necessary

SuggestedRemedy

Remove Returnloss min =

Response Response Status C

ACCEPT. Done in D1.1

CI 130 SC 130.7.1.6 P 149 L 34 # 48  
 Wu, Peter Marvell Semiconducto

Comment Type E Comment Status A

Same problem as we have at Equation 130-2.

SuggestedRemedy

remove "x" and pull "10" to "log", and remove "Returnloss min", add "MHZ" in Equation.

Return\_loss(f) >= 7 - 13.275log10(f/1250MHz)

Response Response Status C

ACCEPT. Done in D1.1

CI 130 SC 130.7.1.11 P 152 L 3 # 49  
 Wu, Peter Marvell Semiconducto

Comment Type E Comment Status A

missing description for v4

SuggestedRemedy

add:  
 v4 = minimum voltage measured in the interval t3-T and t3

Response Response Status C

ACCEPT. Done in D1.1

CI 130 SC 130.7.2.1 P 153 L 3 # 50  
 Wu, Peter Marvell Semiconducto

Comment Type ER Comment Status A

Table 130-6 has two tests defined, but at the description, only one is mentioned.

SuggestedRemedy

Changed the text to:  
 The receiver interference tolerance shall consist of two separate tests as described in Annex 130B with the Parameters specified in Table 130-6. The data pattern for the interference tolerance test shall be the test Patterns 2 or 3 as defined in 52.9.1.1. The receiver shall satisfy the requirements for interference tolerance specified in Annex 130B for both tests

Response Response Status C

ACCEPT. Done in D1.1

CI 130 SC 130.7.2.3 P 153 L 36 # 92  
 Kim, Yong Broadcom

Comment Type E Comment Status A

Change "It should be noted that there may..." to "There may..."

SuggestedRemedy

delete extra words that does not convey anything.

Response Response Status C

ACCEPT. Done in D1.1

IEEE 802.3cb D1.0 TF Re IEEE 802.3cb D1.0 TF Review 2.5 Gb/s and 5 Gb/s Backplane Ethernet 1st Task Force review commentsF Review - D1.0 Comments

Cl 130 SC 130.7.2.4 P 153 L 47 # 93  
 Kim, Yong Broadcom  
 Comment Type E Comment Status A  
 Change "Note that this may be..." to "This may be..."  
 SuggestedRemedy  
 Delete extra words that does not convey anything.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 130A SC 130A.3.1.4.1 P 216 L 45 # 81  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note.  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 130A SC 130A.1 P 210 L 51 # 61  
 Smith, Daniel Seagate Technology  
 Comment Type TR Comment Status A  
 Incorrect coefficient in equation 130A-1  
 SuggestedRemedy  
 Replace 0.3608 with 3.608 in first equation  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 130A SC 130A.3.3 P 221 L 3 # 82  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 130A SC 130A.3.1.2 P 214 L 45 # 79  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note.  
 SuggestedRemedy  
 Do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 130A SC 130A.3.3.1 P 221 L 42 # 83  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 Delete editors note.  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 130A SC 130A.3.1.3 P 215 L 19 # 80  
 Kim, Yong Broadcom  
 Comment Type ER Comment Status A  
 delete editors note.  
 SuggestedRemedy  
 do so.  
 Response Response Status C  
 ACCEPT. Done in D1.1

Cl 130A SC Figure 130A-3 P 211 L 28 # 62  
 Smith, Daniel Seagate Technology  
 Comment Type TR Comment Status A  
 reformat graph to match equation  
 SuggestedRemedy  
 replace Figure with new plot from Dan Smith  
 Response Response Status C  
 ACCEPT.

CI 130A SC Figure 130A-7 P 216 L 20 # 63  
 Smith, Daniel Seagate Technology

Comment Type TR Comment Status A  
 reformat graph to match equation and use logarithmic x-axis

SuggestedRemedy  
 replace Figure with new plot from Dan Smith

Response Response Status C  
 ACCEPT IN PRINCIPLE. Editor to annotate scientific notation on x-axis to integers.

CI 130B SC P 229 L 6 # 84  
 Kim, Yong Broadcom

Comment Type ER Comment Status A  
 Delete editors note

SuggestedRemedy  
 do so.

Response Response Status C  
 ACCEPT. Done in D1.1

CI 130C SC P 233 L 1 # 85  
 Kim, Yong Broadcom

Comment Type E Comment Status A  
 Consider deleting Annex 130C entirely. And find all references to Annex 130C and point it/them to Annex 128C.

SuggestedRemedy  
 Do so.

Response Response Status C  
 ACCEPT. BUT search finds NO cross reference to 130C.

128C is referred by 128B.2.1 refers to 128C  
 130B.2.1 already refers to 128C

ACCEPT means no action need to be taken on cross reference update. Deleted 130C.

CI Annex SC P 165 L 14 # 94  
 Kim, Yong Broadcom

Comment Type T Comment Status R  
 It would be useful to reference SGMII spec. If there is a reliable repository of SGMII, it would be good to have it listed here.

SuggestedRemedy  
 If SGMII could be referenced (where to be found or what to contact to get it, etc), please put the reference here.

Response Response Status C  
 REJECT. There is no reference source that is deemed to be long-lived.

CI 128C SC Annex 128C.4.3 P 197 L 3 # 108  
 Zhang, Jin Marvell Semiconducto

Comment Type T Comment Status A  
 The figure 128C-3 needs to be updated.

SuggestedRemedy  
 Use the plot Figure\_128C\_3\_Insertionloss\_2.bmp

Response Response Status C  
 ACCEPT IN PRINCIPLE. Insertion loss y-axis scale need to be positive #s and will be resubmitted.

CI 128C SC Annex 128C.4.4 P 197 L 38 # 112  
 Zhang, Jin Marvell Semiconducto

Comment Type TR Comment Status A  
 The equations 128C-9 and 128C-10 are incorrect.

SuggestedRemedy  
 $ILD(f) \geq -1.0 - 0.7 * 10^{-9} * f$  (128C-9)  
 $ILD(f) \leq 1.0 + 0.7 * 10^{-9} * f$  (128C-10)

Response Response Status C  
 ACCEPT. Done in D1.1

---

Cl 128C SC Annex 128C.4.4 P 198 L 3 # 109  
Zhang, Jin Marvell Semiconducto

Comment Type T Comment Status A  
The figure 128C-4 needs to be updated as below

*SuggestedRemedy*

Use Figure\_128C\_4\_ILD.bmp

Response Response Status C  
ACCEPT.

---

Cl 128C SC Annex 128C.4.5 P 198 L 41 # 110  
Zhang, Jin Marvell Semiconducto

Comment Type T Comment Status A  
Need a plot for the return loss.

*SuggestedRemedy*

Use Figure 128C\_X\_RL.bmp

Response Response Status C  
ACCEPT IN PRINCIPLE. Insert this Figure after (equation 128C-11)

---

Cl 128C SC Annex 128C.4.6.4 P 200 L 1 # 111  
Zhang, Jin Marvell Semiconducto

Comment Type T Comment Status A  
The plot Figure 128C-5 needs to be updated to log scale.

*SuggestedRemedy*

Use Figure 128C\_5\_fittedlCR.bmp

Response Response Status C  
ACCEPT.