

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 D
 Check EVERY sentence for missing period and put one as appropriate. There are multiple instances of that just in CL1.
 SuggestedRemedy
 Do so.
 Proposed Response Response Status W
 PROPOSED ACCEPT. And in D1.1

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

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

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

Cl 1 SC 1.4 P L # 65
 Kim, Yong Broadcom
 Comment Type ER Comment Status D
 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...".
 Proposed Response Response Status W
 PROPOSED ACCEPT. And in D1.1

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

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

Comment Type TR Comment Status D

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

Proposed Response Response Status W

PROPOSED ACCEPT. Done in D1.1

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

Comment Type ER Comment Status D

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

SuggestedRemedy

do so.

Proposed Response Response Status W

PROPOSED ACCEPT. Done in D1.1

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

Comment Type ER Comment Status X

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.

Proposed Response Response Status O

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

Comment Type ER Comment Status D

Heading 45.2.1.7.1 is incorrect

SuggestedRemedy

Change to 45.2.1.7.4

Proposed Response Response Status W

PROPOSED 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 D

Table 45-11 should be 45-12

SuggestedRemedy

Table 45-11 should be 45-12

Proposed Response Response Status W

PROPOSED 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 D

Delete Editors note. Bit assignments are coordinated, so the note is longer needed

SuggestedRemedy

Do so

Proposed Response Response Status W

PROPOSED ACCEPT. Done in D1.1

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

Comment Type ER Comment Status D
 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

Proposed Response Response Status W
 PROPOSED ACCEPT. Done in D1.1

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

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

SuggestedRemedy
 Do so.

Proposed Response Response Status W
 PROPOSED ACCEPT. Done in D1.1

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

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

SuggestedRemedy
 Do so.

Proposed Response Response Status W
 PROPOSED ACCEPT. Same as Comment #34.

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

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

SuggestedRemedy
 Delete PA comment.

Proposed Response Response Status W
 PROPOSED ACCEPT. Done D1.1

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

Comment Type T Comment Status D
 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

Proposed Response Response Status W
 PROPOSED REJECT.
 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.

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

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

SuggestedRemedy
 do so.

Proposed Response Response Status W
 PROPOSED ACCEPT. Done in D1.1

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

Comment Type TR Comment Status D
 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

Proposed Response Response Status W
 PROPOSED ACCEPT. Done in D1.1

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

Comment Type TR Comment Status D
 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

Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

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

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

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

SuggestedRemedy
 do so.

Proposed Response Response Status W
 PROPOSED ACCEPT. Done in D1.1

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

Comment Type E Comment Status D
 Missing space

SuggestedRemedy
 Add space to the following:

 in 126.3.7.1

Proposed Response Response Status W
 PROPOSED ACCEPT. Done in D1.1

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

Comment Type E Comment Status D
 Missing underline

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

Proposed Response Response Status W
 PROPOSED ACCEPT. Done in D1.0

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

Comment Type TR Comment Status D
 Wrong seed

SuggestedRemedy
 Change seed A
 to
 seed B

Proposed Response Response Status W
 PROPOSED ACCEPT. Done in D1.1

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

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

SuggestedRemedy
 See comment

Proposed Response Response Status W
 PROPOSED ACCEPT. In D1.1

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

Comment Type ER Comment Status D
 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.

Proposed Response Response Status W
 PROPOSED ACCEPT.

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

Comment Type ER Comment Status D

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.

Proposed Response Response Status W

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

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

Comment Type E Comment Status D

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 []

Proposed Response Response Status W

PROPOSED ACCEPT. Done in D1.1

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

Comment Type TR Comment Status D
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.

Proposed Response Response Status W
PROPOSED ACCEPT IN PRINCIPLE. Proposed text done in D1.1. But the rest of the "complete the table" not done in D1.1

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

Comment Type ER Comment Status X
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.

Proposed Response Response Status O

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

Comment Type ER Comment Status X
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

Proposed Response Response Status O

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

Comment Type ER Comment Status X
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.

Proposed Response Response Status O

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

Comment Type E Comment Status D
Missing space

SuggestedRemedy
Add space between in 73.7.4.1

Proposed Response Response Status W
PROPOSED 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 D
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

Proposed Response Response Status W
PROPOSED ACCEPT. Done in D1.1

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

Comment Type TR Comment Status D

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, 2.5GBASEKX, 5GBASE-KR, 10GBASE-KR, and 10GBASE-KX4) requires the local PHY transmitter to go quiet after sleep is signalled.

Proposed Response Response Status W

PROPOSED 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 D

Delete extra colon at end of sentence

SuggestedRemedy

See comment

Proposed Response Response Status W

PROPOSED ACCEPT. Done in D1.1

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

Comment Type TR Comment Status D

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

SuggestedRemedy

See comment. Editor has discretion.

Proposed Response Response Status W

PROPOSED ACCEPT. Done in D1.1

Cl 125 SC 125.1.2 P 55 L # 86
 Kim, Yong Broadcom

Comment Type E Comment Status D

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.

Proposed Response Response Status W

PROPOSED ACCEPT. See Comment #17

Cl 125 SC 125.1.2 P 55 L 40 # 18
 Lo, William Marvell Semiconducto

Comment Type ER Comment Status X

Item d is new - need to underline it.

SuggestedRemedy

See comment.

Proposed Response Response Status O

Cl 125 SC 125.1.4 P L # 103
 Kim, Yong Broadcom

Comment Type ER Comment Status X

Please consider adding 128A and 130A as optional electrical so that readers could find the storage backplane electrical specification easier.

SuggestedRemedy

Do so.

Proposed Response Response Status O

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Cl 125 SC 125.1.4 P 58 L 13 # 1 [REDACTED]
 Lo, William Marvell Semiconducto
 Comment Type ER Comment Status D
 2.5GBASE-KX and 5GBASE-KR are new - need to underline it.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 125 SC 125.2.4.2 P 60 L 32 # 4 [REDACTED]
 Lo, William Marvell Semiconducto
 Comment Type ER Comment Status X
 Clause 125.2.4.2 is new - need to underline entire clause.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status O

Cl 125 SC 125.1.4 P 58 L 19 # 2 [REDACTED]
 Lo, William Marvell Semiconducto
 Comment Type ER Comment Status X
 missing space
 SuggestedRemedy
 Add space between
 reference columns
 Proposed Response Response Status O

Cl 125 SC 125.3 P 61 L 22 # 5 [REDACTED]
 Lo, William Marvell Semiconducto
 Comment Type TR Comment Status X
 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
 Proposed Response Response Status O

Cl 125 SC 125.2.2 P 59 L 52 # 3 [REDACTED]
 Lo, William Marvell Semiconducto
 Comment Type ER Comment Status X
 Sentence is new - need to underline it.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status O

Cl 127 SC 127.2.4.5 P 70 L 54 # 6 [REDACTED]
 Lo, William Marvell Semiconducto
 Comment Type E Comment Status X
 Delete (())
 SuggestedRemedy
 Delete the parenthesis
 Proposed Response Response Status O

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CI 127 SC 127.2.5 P 71 L 49 # 7
Lo, William Marvell Semiconducto
Comment Type E Comment Status X
Delete extra period at end of paragraph
SuggestedRemedy
See comment
Proposed Response Response Status O

CI 127 SC 127.2.6.1.3 P 77 L 26 # 8
Lo, William Marvell Semiconducto
Comment Type E Comment Status X
Delete extra period at end of paragraph
SuggestedRemedy
See comment
Proposed Response Response Status O

CI 127 SC 127.2.6.1.3 P 77 L 31 # 9
Lo, William Marvell Semiconducto
Comment Type E Comment Status X
Add period at end of paragraph
SuggestedRemedy
See comment
Proposed Response Response Status O

CI 127 SC 127.2.6.1.4 P 80 L 50 # 10
Lo, William Marvell Semiconducto
Comment Type TR Comment Status X
should be table 36-1a-e
SuggestedRemedy
Change 36a-e
to
36-1a-e
Proposed Response Response Status O

CI 127 SC 127.2.6.1.4 P 81 L 4 # 11
Lo, William Marvell Semiconducto
Comment Type TR Comment Status X
should be table 36-1a-e
SuggestedRemedy
Change 36a-e
to
36-1a-e
Two instances of this.
Proposed Response Response Status O

CI 127 SC 127.2.6.2.6 P 94 L 16 # 12
Lo, William Marvell Semiconducto
Comment Type TR Comment Status X
) 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.
Proposed Response Response Status O

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Cl 127 SC 127.2.6.2.7 P 95 L 4 # 13
 Lo, William Marvell Semiconducto
 Comment Type **TR** Comment Status **X**
 Wrong reference
 (See Clause 36.2.5.2.9)
 SuggestedRemedy
 Figure 127-10 should be Table 36-10
 Proposed Response Response Status **O**

Cl 128 SC 128.6.5 P 110 L 35 # 20
 Lo, William Marvell Semiconducto
 Comment Type **ER** Comment Status **X**
 Remove editor's note
 TBDs are resolved.
 SuggestedRemedy
 Remove editor's note
 Proposed Response Response Status **O**

Cl 128 SC 128.4 P 108 L 25 # 19
 Lo, William Marvell Semiconducto
 Comment Type **E** Comment Status **X**
 Delete extra comma
 SuggestedRemedy
 Delete extra comma after Clause 31
 Proposed Response Response Status **O**

Cl 128 SC 128.6.6 P 111 L 4 # 21
 Lo, William Marvell Semiconducto
 Comment Type **TR** Comment Status **X**
 Wrong reference
 SuggestedRemedy
 Should be 45.2.1.1.5
 Proposed Response Response Status **O**

Cl 128 SC 128.6.5 P 110 L 34 # 87
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Delete Editor's note. No longer relevant.
 SuggestedRemedy
 do so.
 Proposed Response Response Status **O**

Cl 128 SC 128.7 P 112 L # 88
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Delete Editor's note. No longer relevant.
 SuggestedRemedy
 do so
 Proposed Response Response Status **O**

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CI 128 SC 128.7 P 112 L 3 # 22
 Lo, William Marvell Semiconducto
 Comment Type ER Comment Status X
 Remove editor's note
 TBDs are resolved.
 SuggestedRemedy
 Remove editor's note
 Proposed Response Response Status O

CI 128A SC 128A.1 P 172 L 52 # 53
 Smith, Daniel Seagate Technology
 Comment Type TR Comment Status X
 0.3608 s/b: 3.608 in first equation
 SuggestedRemedy
 change equation 128A-1
 Proposed Response Response Status O

CI 128A SC 128A.3.1.2 P 176 L 41 # 95
 Kim, Yong Broadcom
 Comment Type ER Comment Status X
 Delete both editors notes (line 41 and line 50)
 SuggestedRemedy
 DO SO
 Proposed Response Response Status O

CI 128A SC 128A.3.1.4.1 P 178 L 5 # 96
 Kim, Yong Broadcom
 Comment Type ER Comment Status X
 Delete editors note.
 SuggestedRemedy
 do so.
 Proposed Response Response Status O

CI 128A SC 128A.3.3 P 182 L 33 # 76
 Kim, Yong Broadcom
 Comment Type ER Comment Status X
 Delete editors note
 SuggestedRemedy
 do so.
 Proposed Response Response Status O

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

CI 128A SC Figure 128A-7 P 177 L 51 # 55
 Smith, Daniel Seagate Technology
 Comment Type TR Comment Status X
 reformat graph to match equation and use logarithmic x-axis
 SuggestedRemedy
 replace Figure with new plot from Dan Smith
 Proposed Response Response Status O

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Cl **128B** SC **P 189** L **5** # **97**
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Delete editors note.
 SuggestedRemedy
 do so.
 Proposed Response Response Status **O**

Cl **128C** SC **Annex 128C.4.2** P **196** L **2** # **107**
 Zhang, Jin Marvell Semiconducto
 Comment Type **T** Comment Status **X**
 The figure 128C-2 needs to be updated
 SuggestedRemedy
 Use Figure 128C_2_fittedInsertionloss.bmp
 Proposed Response Response Status **O**

Cl **128C** SC **128C.4.1** P L # **104**
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Delete editors note "?? any..... 0.312GHz ??"
 SuggestedRemedy
 do so
 Proposed Response Response Status **O**

Cl **128D** SC P **201** L **8** # **77**
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Delete editors note.
 SuggestedRemedy
 do so.
 Proposed Response Response Status **O**

Cl **128C** SC **128C.4.2** P L # **105**
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Delete Meliz comment note "?? Figure 128C-2 to be generated to the frequency f2 only - Melitz comment??"
 SuggestedRemedy
 do so
 Proposed Response Response Status **O**

Cl **128D** SC **128D.2** P **203** L **3** # **78**
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Discuss editors note (clause contributor's comment) and close it.
 And also apply that discussoin to note on 130A.2, and consider both.
 SuggestedRemedy
 Decide on a action to close this note on 128D.2 and 130A.2
 Proposed Response Response Status **O**

Cl **128C** SC **128C.4.3** P L # **106**
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Delete Melitz comment "?? equation ... ??"
 SuggestedRemedy
 do so.
 Proposed Response Response Status **O**

Cl 128D SC 128D.2.2 P 204 L 32 # 59
 Smith, Daniel Seagate Technology
 Comment Type TR Comment Status X
 Equation 128D-4 is incorrect
 SuggestedRemedy
 Change equation 128D-4 to:
 $y(f) = 17-f \quad 0.01 \leq f < 4$
 $y(f) = 15-0.5f \quad 4 \leq f < 5.15625$
 Proposed Response Response Status O

Cl 128D SC 128D.2.2 P 204 L 32 # 60
 Smith, Daniel Seagate Technology
 Comment Type TR Comment Status X
 Insertion Loss is the incorrect term..
 SuggestedRemedy
 Change all "Insertion Loss" references to
 "Return Loss" on lines 32 and 37
 Proposed Response Response Status O

Cl 128D SC Figure 128D-2 P 202 L 27 # 56
 Smith, Daniel Seagate Technology
 Comment Type TR Comment Status X
 reformat graph to match equation
 SuggestedRemedy
 replace Figure with new plot from Dan Smith
 Proposed Response Response Status O

Cl 128D SC Figure 128D-4 P 204 L 22 # 57
 Smith, Daniel Seagate Technology
 Comment Type TR Comment Status X
 reformat graph to match equation and use logarithmic x-axis
 SuggestedRemedy
 replace Figure with new plot from Dan Smith
 Proposed Response Response Status O

Cl 128D SC Figure 128D-5 P 205 L 19 # 58
 Smith, Daniel Seagate Technology
 Comment Type TR Comment Status X
 reformat graph to match equation and use logarithmic x-axis
 SuggestedRemedy
 replace Figure with new plot from Dan Smith
 Proposed Response Response Status O

Cl 129 SC 129.1.1 P 125 L 12 # 23
 Lo, William Marvell Semiconducto
 Comment Type TR Comment Status X
 Need both PCS and PMA
 SuggestedRemedy
 "the PMA"
 should be
 "the PCS and PMA"
 Proposed Response Response Status O

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Cl 129 SC 129.1.3 P 126 L 33 # 24
 Lo, William Marvell Semiconducto
 Comment Type **TR** Comment Status **X**
 Need both PCS and PMA
 SuggestedRemedy
 "PMA"
 should be
 "PCS and PMA"
 Proposed Response Response Status **O**

Cl 129 SC 129.2.1 P 127 L 46 # 25
 Lo, William Marvell Semiconducto
 Comment Type **E** Comment Status **X**
 Add missing period at end of paragraph.
 SuggestedRemedy
 See comment
 Proposed Response Response Status **O**

Cl 129 SC 129.2.2 P 129 L 30 # 26
 Lo, William Marvell Semiconducto
 Comment Type **TR** Comment Status **X**
 Incorrect variable label.
 SuggestedRemedy
 rx_data_unit
 should be
 rx_data-group
 2 instances
 Proposed Response Response Status **O**

Cl 129 SC 129.2.3 P 37 L # 89
 Kim, Yong Broadcom
 Comment Type **E** Comment Status **X**
 Change "Note that these.." to "These.."
 SuggestedRemedy
 Style. Ugggghhh!
 Proposed Response Response Status **O**

Cl 129 SC 129.2.3 P 129 L 34 # 27
 Lo, William Marvell Semiconducto
 Comment Type **E** Comment Status **X**
 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
 Proposed Response Response Status **O**

Cl 129 SC 129.2.4 P 130 L 8 # 28
 Lo, William Marvell Semiconducto
 Comment Type **E** Comment Status **X**
 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
 Proposed Response Response Status **O**

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 129.7 P 132 L # 90
 Kim, Yong Broadcom
 Comment Type **TR** Comment Status **X**
 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.
 Proposed Response Response Status **O**

Cl 130 SC 130.7.1 P 146 L 35 # 51
 Wu, Peter Marvell Semiconducto
 Comment Type **TR** Comment Status **X**
 The total jitter is 0.30 UI instead of 0.28 UI at table 130-4
 SuggestedRemedy
 Change 0.28 to 0.30
 Proposed Response Response Status **O**

Cl 130 SC 130.6.8 P 145 L 17 # 29
 Lo, William Marvell Semiconducto
 Comment Type **TR** Comment Status **X**
 Wrong reference
 SuggestedRemedy
 45.2.1.7.1 should be
 45.2.1.7.4
 Proposed Response Response Status **O**

Cl 130 SC 130.7.1.2 P 147 L 30 # 52
 Wu, Peter Marvell Semiconducto
 Comment Type **E** Comment Status **X**
 At Equation 130-1, Return_loss min is not necessary
 SuggestedRemedy
 removed, it reads:
 Return_loss(f) >= 20
 Proposed Response Response Status **O**

Cl 130 SC 130.7.1 P 146 L 5 # 91
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Editor's note no longer relevant. Delete.
 SuggestedRemedy
 Do so.
 Proposed Response Response Status **O**

Cl 130 SC 130.7.1.2 P 147 L 35 # 46
 Wu, Peter Marvell Semiconducto
 Comment Type **E** Comment Status **X**
 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)
 Proposed Response Response Status **O**

Cl 130 SC 130.7.1.6 P 149 L 29 # 47
 Wu, Peter Marvell Semiconducto
 Comment Type E Comment Status X
 "Return_lossmin" at 130-5 is not necessary
 SuggestedRemedy
 Remove Returnloss min =
 Proposed Response Response Status O

Cl 130 SC 130.7.1.6 P 149 L 34 # 48
 Wu, Peter Marvell Semiconducto
 Comment Type E Comment Status X
 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)
 Proposed Response Response Status O

Cl 130 SC 130.7.1.11 P 152 L 3 # 49
 Wu, Peter Marvell Semiconducto
 Comment Type E Comment Status X
 missing descption for v4
 SuggestedRemedy
 add:
 v4 = mimimum voltage measured in the interval t3-T and t3
 Proposed Response Response Status O

Cl 130 SC 130.7.2.1 P 153 L 3 # 50
 Wu, Peter Marvell Semiconducto
 Comment Type ER Comment Status X
 Table 130-6 has two tests defined, but at the decription, 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
 Proposed Response Response Status O

Cl 130 SC 130.7.2.3 P 153 L 36 # 92
 Kim, Yong Broadcom
 Comment Type E Comment Status X
 Change "It should be noted that there may..." to "There may..."
 SuggestedRemedy
 delete extra words that does not convey anything.
 Proposed Response Response Status O

Cl 130 SC 130.7.2.4 P 153 L 47 # 93
 Kim, Yong Broadcom
 Comment Type E Comment Status X
 Change "Note that this may be..." to "This may be..."
 SuggestedRemedy
 Delete extra words that does not convey anything.
 Proposed Response Response Status O

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

Cl 130A **SC 130A.3.3** **P 221** **L 3** # **82**
 Kim, Yong Broadcom
Comment Type **ER** **Comment Status** **X**
 Delete editors note
SuggestedRemedy
 do so.
Proposed Response **Response Status** **O**

Cl 130A **SC 130A.3.1.2** **P 214** **L 45** # **79**
 Kim, Yong Broadcom
Comment Type **ER** **Comment Status** **X**
 Delete editors note.
SuggestedRemedy
 Do so.
Proposed Response **Response Status** **O**

Cl 130A **SC 130A.3.3.1** **P 221** **L 42** # **83**
 Kim, Yong Broadcom
Comment Type **ER** **Comment Status** **X**
 Delete editors note.
SuggestedRemedy
 do so.
Proposed Response **Response Status** **O**

Cl 130A **SC 130A.3.1.3** **P 215** **L 19** # **80**
 Kim, Yong Broadcom
Comment Type **ER** **Comment Status** **X**
 delete editors note.
SuggestedRemedy
 do so.
Proposed Response **Response Status** **O**

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

Cl 130A **SC 130A.3.1.4.1** **P 216** **L 45** # **81**
 Kim, Yong Broadcom
Comment Type **ER** **Comment Status** **X**
 Delete editors note.
SuggestedRemedy
 do so.
Proposed Response **Response Status** **O**

Cl 130A **SC Figure 130A-7** **P 216** **L 20** # **63**
 Smith, Daniel Seagate Technology
Comment Type **TR** **Comment Status** **X**
 reformat graph to match equation and use logarithmic x-axis
SuggestedRemedy
 replace Figure with new plot from Dan Smith
Proposed Response **Response Status** **O**

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Cl **130B** SC P **229** L **6** # **84**
 Kim, Yong Broadcom
 Comment Type **ER** Comment Status **X**
 Delete editors note
 SuggestedRemedy
 do so.
 Proposed Response Response Status **O**

Cl **128C** SC Annex **128C.4.3** P **197** L **3** # **108**
 Zhang, Jin Marvell Semiconducto
 Comment Type **T** Comment Status **X**
 The figure 128C-3 needs to be updated.
 SuggestedRemedy
 Use the plot Figure_128C_3_Insertionloss_2.bmp
 Proposed Response Response Status **O**

Cl **130C** SC P **233** L **1** # **85**
 Kim, Yong Broadcom
 Comment Type **E** Comment Status **X**
 Consider deleting Annex 130C entirely. And find all references to Annex 130C and point it/them to Annex 128C.
 SuggestedRemedy
 Do so.
 Proposed Response Response Status **O**

Cl **128C** SC Annex **128C.4.4** P **197** L **38** # **112**
 Zhang, Jin Marvell Semiconducto
 Comment Type **TR** Comment Status **X**
 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)
 Proposed Response Response Status **O**

Cl **Annex** SC P **165** L **14** # **94**
 Kim, Yong Broadcom
 Comment Type **T** Comment Status **X**
 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.
 Proposed Response Response Status **O**

Cl **128C** SC Annex **128C.4.4** P **198** L **3** # **109**
 Zhang, Jin Marvell Semiconducto
 Comment Type **T** Comment Status **X**
 The figure 128C-4 needs to be updated as below
 SuggestedRemedy
 Use Figure_128C_4_ILD.bmp
 Proposed Response Response Status **O**

Cl **128C** SC Annex **128C.4.5** P **198** L **41** # **110**
 Zhang, Jin Marvell Semiconducto
 Comment Type **T** Comment Status **X**
 Need a plot for the return loss.
 SuggestedRemedy
 Use Figure 128C_X_RL.bmp
 Proposed Response Response Status **O**

Cl **128C** SC **Annex 128C.4.6.4** P **200** L **1** # **111**

Zhang, Jin Marvell Semiconducto

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

The plot Figure 128C-5 needs to be updated to log scale.

SuggestedRemedy

Use Figure 128C_5_fittedlCR.bmp

Proposed Response Response Status **O**