

IEEE P802.3bz D0.1 2.5/5GBASE-T 1st Task Force review comments

Cl 4 **SC 4.4.2** **P 21** **L 17** # **4** [REDACTED]
 Maguire, Valerie Siemon
Comment Type **E** **Comment Status** **D** **EZ**
 Space missing in table column header.
SuggestedRemedy
 Replace,
 "2.5 Gb/s, 5 Gb/s, and 10 Gb/s"
 with,
 ""5 Gb/s, 5 Gb/s, and 10 Gb/s"
 (Leave strikethrough as shown in table.)
Proposed Response **Response Status** **W**
 PROPOSED ACCEPT.

Cl 126 **SC 126.7.2** **P 157** **L 47** # **5** [REDACTED]
 Maguire, Valerie Siemon
Comment Type **T** **Comment Status** **D** **EZ**
 Insert TIA TSB reference.
SuggestedRemedy
 Replace,
 "TIA TSB-x- (TBD)"
 with,
 "TIA TSB-5021"
Proposed Response **Response Status** **W**
 PROPOSED ACCEPT.

Cl 126 **SC 126.7.2** **P 158** **L 9** # **7** [REDACTED]
 Maguire, Valerie Siemon
Comment Type **T** **Comment Status** **D** **EZ**
 Insert TIA TSB reference.
SuggestedRemedy
 Replace,
 "TIA TSB-x- (TBD)"
 with,
 "TIA TSB-5021"
Proposed Response **Response Status** **W**
 PROPOSED ACCEPT.

Cl 126 **SC 126.7** **P 157** **L 9** # **10** [REDACTED]
 Maguire, Valerie Siemon
Comment Type **T** **Comment Status** **D** **EZ**
 Insert TIA TSB reference.
SuggestedRemedy
 Replace,
 "TIA TSB-XX"
 with,
 "TIA TSB-5021"
Proposed Response **Response Status** **W**
 PROPOSED ACCEPT.

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Cl 126 SC 126.7.2 P 158 L 16 # 11
 Maguire, Valerie Siemon
 Comment Type T Comment Status D EZ
 Insert TIA TSB reference.
 SuggestedRemedy
 Replace,
 "TIA TSB-x(TBD)"
 with,
 "TIA TSB-5021"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 126 SC 7.2.3 P 159 L 5 # 15
 Schicketanz, Dieter Consultant
 Comment Type E Comment Status D EZ
 in Eq: 126-12 format of log10 different to other places
 SuggestedRemedy
 use the same format at all places
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 126 SC 126.5.4.4 P 151 L 31 # 34
 Zimmerman, George CME Consulting, Inc.
 Comment Type ER Comment Status D EZ
 extraneous "bb" at end of paragraph
 SuggestedRemedy
 Delete "bb"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 126 SC 126.1 P 65 L 10 # 36
 Zimmerman, George CME Consulting, Inc.
 Comment Type ER Comment Status D EZ
 Statement "The 2.5GBASE-T PCS, PMA, and baseband medium specifications are intended for users who want 2.5Gb/s performance over balanced twisted-pair structured cabling systems." needs to be added for 5GBASE-T as well
 SuggestedRemedy
 Insert "The 5GBASE-T PCS, PMA, and baseband medium specifications are intended for users who want 5Gb/s performance over balanced twisted-pair structured cabling systems." after prior sentence about 2.5GBASE-T.
 Proposed Response Response Status W
 PROPOSED ACCEPT.
 (duplicate of comment 97)

Cl 30 SC 30.5.1.1.20 P 27 L 20 # 40
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Paragraph missing header format for 30.5.1.1.21 "aSNROpMarginChnlC" - inadvertently in editing instruction format. Causes misnumbering of subsequent paragraph 30.5.1.1.21 (should be 22)
 SuggestedRemedy
 Change aSNROpMarginChnlC to 5 level header format.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 1 SC 1.4.72b P 20 L 23 # 49
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 1.4.72b should be 1.4.278a in 802.3bq D2.1
 SuggestedRemedy
 Make numbering consistent with alphanumeric order in 802.3bx d3p1 numbering and renumber 72c, 72d to be 72b and 72c
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 45 SC 45.2.7.10.4 P 47 L 22 # 59
 Zimmerman, George CME Consulting, Inc.

Comment Type ER Comment Status D EZ

Editing instructions for inserted clauses should not say "and re-number remaining clauses."

However, in this case, what is happening is a comment is needed on 802.3bz to renumber clauses 45.2.7.10.4b and 4c to 45.2.7.10.4f and 4g to make room for the bz inserted clauses

SuggestedRemedy

Change editing instruction to:

"Insert four new clauses after 45.2.7.10.4c (se IEEE P802.3bz draft)"

Add editor's note:

Editor's Note (to be removed prior to publication) - IEEE P802.3bz inserted clauses are interrupted by these new clauses, and will need a comment to renumber.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45 P 31 L 7 # 71
 Zimmerman, George CME Consulting, Inc.

Comment Type E Comment Status D EZ

TODO Editor's note was supposed to be deleted prior to task force review. task has been done.

SuggestedRemedy

Delete TODO Editor's note.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 126 SC 126.12.3 P 179 L 35 # 79
 McClellan, Brett Marvell

Comment Type T Comment Status D EZ

The line code is PAM16
 change DSQ128 to PAM16

SuggestedRemedy

change DSQ128 to PAM16

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Make proposed change

PICS were not updated for this draft 0.1

Editor to update and review all Clause PICS for similar legacy items in preparation for next draft

Cl 126 SC 126.2.2.3.1 P 77 L 32 # 88
 McClellan, Brett Marvell

Comment Type T Comment Status D EZ

change 4 to 8 to match the defined Alert sequence. Reflects that 2.5G/5G frames are half the 10G frame length.

SuggestedRemedy

change 4 to 8

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.6.1.1.5 P 29 L 6 # 94
 Jones, Peter Cisco Systems

Comment Type E Comment Status D EZ

Typo, extra space between 2.5 "2.5 GBASE-T PHY as specified in Clause 126"

SuggestedRemedy

change to "2.5GBASE-T PHY as specified in Clause 126"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1.6 P 33 L 51 # 96
 Jones, Peter Cisco Systems

Comment Type E Comment Status D EZ

Typo - "= 2.5GBASE-PMA/PMD"

SuggestedRemedy

fix - "= 2.5GBASE-T PMA/PMD"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Correct typo, align with resolution of comments on PMA/PMD vs PMA.

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Cl 126 SC 126.1 P 65 L 8 # 97
 Jones, Peter Cisco Systems

Comment Type E Comment Status D EZ

Missing a sentence equivalent of what follows for 5GBASE-T.

The 2.5GBASE-T PCS, PMA, and baseband medium specifications are intended for users who want 2.5Gb/s performance over balanced twisted-pair structured cabling systems.

SuggestedRemedy
 add

The 5GBASE-T PCS, PMA, and baseband medium specifications are intended for users who want 5Gb/s performance over balanced twisted-pair structured cabling systems.

Proposed Response Response Status W

PROPOSED ACCEPT.
 (duplicate of comment 36)

Cl 126 SC 126.1.3.2 P 70 L 45 # 98
 Jones, Peter Cisco Systems

Comment Type E Comment Status D EZ

Missing cross ref in the following text
 "First the symbol goes through a Tomlinson-Harashima precoder (THP), which maps the PAM16 input (as described in)"

SuggestedRemedy
 insert correct cross reference

Proposed Response Response Status W

PROPOSED ACCEPT.
 Cross reference is 126.3.2.2.19 PAM16 bit mapping

Cl 99 SC P 6 L 16 # 99
 Jones, Peter Cisco Systems

Comment Type E Comment Status D EZ

WOuld probbaly make sense to remove the "officers and members of the IEEE 802.3 working group" list as it will only be defined when we actually start WG ballot.

SuggestedRemedy
 replace list with "[to be supplied at time of WG ballot] " or similar.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.
 Will review list for currency at the time of WG ballot.

Cl 1 SC 1.4 P 20 L 23 # 100
 Jones, Peter Cisco Systems

Comment Type E Comment Status D EZ

you include "1.4.72b MultiGBASE-T: Specific BASE-T Ethernet PCS/PMA/PMDs at speeds in excess of 1000Mbps.". Why are you using 72b, 72c, 72d? They all become independent definitions orders alphabetically right?

SuggestedRemedy
 just renumber to 1.4.somethign else?

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.
 All numbering to be aligned with appropriate alphanumeric order in latest draft of 802.3bx

Cl 28 SC 28.5 P 23 L 41 # 112
 Kim, Yong Broadcom

Comment Type ER Comment Status D EZ

MultiGBASE-T PHY Family -- not defined. the word "Family" is concern.

SuggestedRemedy
 Either a) define MultiGBASE-T PHY as "PHY that belong to a set of ... in 1.4" and delete "Family" in 28.5, or b) define MultiGBASE-T PHY Family in 1.4.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 30 SC 30.3.2.1.2 P 25 L 27 # 113
 Kim, Yong Broadcom

Comment Type ER Comment Status D EZ

I believe MIB defines new entry by appending, and NOT changing the previous entry. Inserting 2.5G and 5G in the middle are not consistent and may cause further issues when 802.3.1 takes on its work and just do cut-&-paste without noting the re-ordered list.

SuggestedRemedy
 Put 2.5GBASE-T and 5GBASE-T entry after the 100GBASE-P (line 39).

If the comment is accepted, then also do this for
 - 30.3.2.1.3 aPhyTypeList
 - 30.6.1.1.5 aAutoNegLocalTechnologyAbility

Proposed Response Response Status W

PROPOSED ACCEPT.