

**CI FM SC FM P 13 L 42 # r01-1**  
 Anslow, Peter Ciena Corporation  
**Comment Type E Comment Status D**  
 http://www.ieee802.org/3/WG\_tools/editorial/requirements/words.html has:  
 Physical Layer (always capped)  
**SuggestedRemedy**  
 Change "physical layer" to "Physical Layer"  
**Proposed Response Response Status W**  
 PROPOSED ACCEPT.

**CI FM SC FM P 27 L 16 # r01-2**  
 Anslow, Peter Ciena Corporation  
**Comment Type E Comment Status D**  
 Page 27 does not reflect the latest version of the 802.3 boilerplate.  
**SuggestedRemedy**  
 Change "Implementors" to "Implementers".  
**Proposed Response Response Status W**  
 PROPOSED ACCEPT.

**CI 1 SC 1.2.7 P 29 L 6 # r01-3**  
 Anslow, Peter Ciena Corporation  
**Comment Type E Comment Status D**  
 (Page number from CMP version)  
 unusual editing instruction  
**SuggestedRemedy**  
 Change to: "Insert 1.2.7 after 1.2.6 "Accuracy and resolution of numerical quantities".  
**Proposed Response Response Status W**  
 PROPOSED ACCEPT.

**CI 1 SC 1.3 P 29 L 17 # r01-4**  
 Anslow, Peter Ciena Corporation  
**Comment Type E Comment Status D**  
 (Page number from CMP version)  
 In the editing instruction, "reference" should be "references"  
**SuggestedRemedy**  
 Change "reference" to "references"  
**Proposed Response Response Status W**  
 PROPOSED ACCEPT.

**CI 1 SC 1.4.144a P 29 L 46 # r01-5**  
 Anslow, Peter Ciena Corporation  
**Comment Type E Comment Status D**  
 (Page number from CMP version)  
 In the editing instruction, there is a spurious extra "("  
**SuggestedRemedy**  
 Change to "Clocked Violation LO (CVL)"  
**Proposed Response Response Status W**  
 PROPOSED ACCEPT.

**CI 1 SC 1.4.345a P 30 L 45 # r01-6**  
 Anslow, Peter Ciena Corporation  
**Comment Type E Comment Status D**  
 (Page number from CMP version)  
 Now that 1.4.345b has been removed, in the editing instruction, "definitions" should be  
 "definition"  
**SuggestedRemedy**  
 Change "definitions" to "definition"  
**Proposed Response Response Status W**  
 PROPOSED ACCEPT.

Cl 00 SC 0 P L # r01-7  
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D Clause order

The order of IEEE 802.3 amendments is to have all annexes after all clauses (as it was in D3.0), as shown in the 802.3 FrameMaker template. In D3.1, Annex A and Annex 31A are interleaved with the clauses. Why was this change made?

*SuggestedRemedy*

Move Annex A and Annex 31A to be after Clause 103

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

REVISED

per comment and modify Editor Instruction on Pg 81 line 1 to per Staff editors input read:  
 "Insert new clauses 100, 101, 102, 103, and Annex 100A as follows:"

Cl 45 SC 45.2.1 P 38 L 17 # r01-8  
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D Table 45-3

(Page number from CMP version)

IEEE 802.3bw-2015 made changes to Table 45-3 which show 1.17 as Reserved.

*SuggestedRemedy*

Change the editing instruction to: "Change the reserved row for 1.17 in Table 45-3 (as inserted by IEEE Std 802.3bw-2015) as follows (unchanged rows not shown):"  
 in the row for 1.17 add "Reserved" in strikethrough font and underline "EPoC PMA/PMD ability" in the "Register name" column, underline "45.2.1.14aa" and remove the row below.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1 P 41 L 5 # r01-9  
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D Table 45-3

(Page number from CMP version)

IEEE 802.3by-201x made changes to Table 45-3 which show the appropriate reserved row as "1.1809 through 1.2099"

*SuggestedRemedy*

Change the editing instruction to: "Change the reserved row for 1.1809 through 1.2099 in Table 45-3 (as inserted by IEEE Std 802.3bw-2015) as follows (unchanged rows not shown):"  
 in the first row change the strikethrough text to "2099"  
 in the last row change "1.1959 through 1.32767" to "1.1959 through 1.2099"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 1 SC 1.4.134 P 28 L 41 # r01-10  
 Law, David Hewlett Packard Enter

Comment Type G Comment Status D

The text '(For 10BROAD36,' should not be shown in underscore as this text was added by IEEE P802.3by.

*SuggestedRemedy*

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

REVISED

Per comment but also don't show "sSee" in mark-up as "See" was changed to "see" by P802.3by also.

Final version:

1.4.134 channel: In 10BROAD36 <uline>and 10GPASS-XR, </uline>a band of frequencies dedicated to a certain service transmitted on the broadband medium. Otherwise, a defined path along which data in the form of an electrical or optical signal passes. (For 10BROAD36, see IEEE Std 802.3, Clause 11<uline>, for 10GPASS-XR see Clause 100, Clause 101, and Clause 102</uline>.)

**Cl 100**    **SC 100.3.1**    **P 88**    **L 21**    # **r01-11**  
 Remein, Duane    Futurewei Technologie

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

The reference in the following statement should be 101.4.4.4.4.  
 "The CNU reports supported optional modulations to the CLT via US\_ModAbility variable  
 see 101.4.3.4.5"

**SuggestedRemedy**  
 Change to 101.4.4.4.4

**Proposed Response**    **Response Status W**  
 PROPOSED ACCEPT.

**Cl 101**    **SC 101.3.2.5.4**    **P 151**    **L 13**    # **r01-12**  
 Remein, Duane    Futurewei Technologie

**Comment Type T**    **Comment Status D**    **Burst Markers**

Step 1) Add burst start marker and Step 9) Add burst end marker do not happen in FEC  
 encoding. They are part of PMA.

**SuggestedRemedy**  
 In Step 7) change "codeword and move to step 9" to "codeword, exit."  
 In Step 8) change "step 9 else go to step 2." to "exit else go to step 1."  
 Remove these steps and renumber.

**Proposed Response**    **Response Status W**  
 PROPOSED ACCEPT IN PRINCIPLE.  
 REVISED  
 See Response (copied below) to comment r01-25

Bin is defined in step 2: "the number of available 65-bit blocks (Bin)". Change the number  
 step text to read as follows:

- 1) If the number of available 65-bit blocks (Bin) is sufficient to fill a long FEC codeword (BQ  
 = 220), create a long FEC codeword. If Bin >= 220 remains true repeat step 1.
- 2) If 220 > Bin >= 101, create a shortened long FEC codeword.
- 3) If 101 > Bin >= 76, create a medium FEC codeword.
- 4) If 76 > Bin >= 25, create a shortened medium FEC codeword.
- 5) If 25 > Bin >= 12, create a short FEC codeword. If Bin >= 12 remains true repeat step 5.
- 6) If 12 > Bin >= 1, create a shortened short FEC codeword.

**Cl 45**    **SC 45.2.7a.5**    **P 66**    **L 41**    # **r01-13**  
 Remein, Duane    Futurewei Technologie

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

extra period at end of line. "shown in Table 45-211f. ."

**SuggestedRemedy**  
 strike spare period.

**Proposed Response**    **Response Status W**  
 PROPOSED ACCEPT.

**Cl FM**    **SC FM**    **P 13**    **L 42**    # **r01-14**  
 Remein, Duane    Futurewei Technologie

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

Amendment number has been set by Mr. Law

**SuggestedRemedy**  
 Add "Amendment 5-"

**Proposed Response**    **Response Status W**  
 PROPOSED ACCEPT.

**Cl 00**    **SC 0**    **P 31**    **L 1**    # **r01-15**  
 Remein, Duane    Futurewei Technologie

**Comment Type ER**    **Comment Status D**    **Clause order**

Clauses mis-ordered

**SuggestedRemedy**  
 Change to FM, 1, 30, 45, 56, 67, 76, 100, 101, 102, 103 Annex A, Annex 31A, Annex 100A.

**Proposed Response**    **Response Status W**  
 PROPOSED ACCEPT.

**Cl 100**    **SC 100.3.3.1**    **P 91**    **L 23**    # **r01-16**  
 Laubach, Mark    Broadcom Corporation

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

Change "product" to "accumulation"

**SuggestedRemedy**  
 As per comment

**Proposed Response**    **Response Status W**  
 PROPOSED ACCEPT.

**Cl 100**    **SC 100.3.4.4.3**    **P 105**    **L 49**    # **r01-17**  
 Laubach, Mark    Broadcom Corporation

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

The second xref in first sentence should point to Table 100-8

**SuggestedRemedy**  
 As per comment

**Proposed Response**    **Response Status**    **W**  
 PROPOSED ACCEPT.

**Cl 100**    **SC 100.3.4.4.3**    **P 105**    **L 51**    # **r01-18**  
 Laubach, Mark    Broadcom Corporation

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

The first xref second/last sentence should point to Table 100-9

**SuggestedRemedy**  
 As per comment

**Proposed Response**    **Response Status**    **W**  
 PROPOSED ACCEPT.

**Cl 100**    **SC 100.3.4.6**    **P 109**    **L 42**    # **r01-19**  
 Laubach, Mark    Broadcom Corporation

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

In Table 100-11, change g.e. sign to "to" to match subclause text.

**SuggestedRemedy**  
 As per comment

**Proposed Response**    **Response Status**    **W**  
 PROPOSED ACCEPT IN PRINCIPLE.  
 REVISED  
 Per comment.  
 NOTE: Range is 7.4 MHz to 204 MHz. The xref provides additional information.

**Cl 100**    **SC 100.3.4.6**    **P 109**    **L 53**    # **r01-20**  
 Laubach, Mark    Broadcom Corporation

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

Insert "up to" before "65"

**SuggestedRemedy**  
 As per comment

**Proposed Response**    **Response Status**    **W**  
 PROPOSED ACCEPT.

**Cl 100**    **SC 100.4.1**    **P 118**    **L 48**    # **r01-21**  
 Laubach, Mark    Broadcom Corporation

**Comment Type**    **GR**    **Comment Status**    **D**

"MD1" should be "MDI"

**SuggestedRemedy**  
 As per comment

**Proposed Response**    **Response Status**    **W**  
 PROPOSED ACCEPT.

CI 101 SC 101.3.2.5.4 P 151 L 13 # r01-22  
Laubach, Mark Broadcom Corporation

Comment Type TR Comment Status D Burst Markers

Layer violation. Insertion of the start/stop burst markers is performed by the symbol mapper in the PMA.

*SuggestedRemedy*

Remove steps 1) and 12)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

REVISED

See Response (copied below) to comment r01-25.

Bin is defined in step 2: "the number of available 65-bit blocks (Bin)". Change the number step text to read as follows:

- 1) If the number of available 65-bit blocks (Bin) is sufficient to fill a long FEC codeword (BQ = 220), create a long FEC codeword. If Bin >= 220 remains true repeat step 1.
- 2) If 220 > Bin >= 101, create a shortened long FEC codeword.
- 3) If 101 > Bin >= 76, create a medium FEC codeword.
- 4) If 76 > Bin >= 25, create a shortened medium FEC codeword.
- 5) If 25 > Bin >= 12, create a short FEC codeword. If Bin >= 12 remains true repeat step 5.
- 6) If 12 > Bin >= 1, create a shortened short FEC codeword.

CI 100 SC 100.3.5.3.1 P 113 L 33 # r01-23  
Laubach, Mark Broadcom Corporation

Comment Type TR Comment Status D

Change "uses" to "can use". CLT needs to ensure that it meets a desired confidence interval provided by the manufacture. For example, the statement as written would permit the CLT to use only one upstream probe symbol, which would not create confidence.

*SuggestedRemedy*

As per comment

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 100 SC 100.3.6.1 P 114 L 38 # r01-24  
Laubach, Mark Broadcom Corporation

Comment Type TR Comment Status D

Change ": <newline> For" to "and for" remove newline. Add a colon to the end of the sentence. Adjust row/line alignments.

*SuggestedRemedy*

As per comment

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 101 SC 101.3.2.5.4 P 151 L 13 # r01-25  
Laubach, Mark Broadcom Corporation

Comment Type TR Comment Status D Burst Markers

Bin is not defined. Looping may not be correct as drafted, i.e., should continue looping until not enough for a long codeword, move to next tests, etc. The text here should not be confused with the state machine / pseudo code used in 101.3.2.5.7, and should remain in its prior descriptive format.

*SuggestedRemedy*

Revert to previous text, lines 13 through 39.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

REVISED

Bin is defined in step 2: "the number of available 65-bit blocks (Bin)". Change the number step text to read as follows:

- 1) If the number of available 65-bit blocks (Bin) is sufficient to fill a long FEC codeword (BQ = 220), create a long FEC codeword. If Bin >= 220 remains true repeat step 1.
- 2) If 220 > Bin >= 101, create a shortened long FEC codeword.
- 3) If 101 > Bin >= 76, create a medium FEC codeword.
- 4) If 76 > Bin >= 25, create a shortened medium FEC codeword.
- 5) If 25 > Bin >= 12, create a short FEC codeword. If Bin >= 12 remains true repeat step 5.
- 6) If 12 > Bin >= 1, create a shortened short FEC codeword.

**Cl 1**      **SC 1.4.331**      **P**      **L**      # **r01-26**  
 Grow, Robert      RMG Consulting

**Comment Type** **E**      **Comment Status** **D**  
 Format problem?

**SuggestedRemedy**  
 There does not appear to be a space after subclause number, make style the same as other definitions.

**Proposed Response**      **Response Status** **W**  
 PROPOSED ACCEPT.

**Cl 45**      **SC 45.2.1**      **P 38**      **L 17**      # **r01-27**  
 Grow, Robert      RMG Consulting

**Comment Type** **TR**      **Comment Status** **D**      *Table 45-3*  
 Incorrect base text for Table 45-3. IEEE Std 802.3bw-2015 has 1.17 listed as a single reserved row because 802.3bw defined 1.18. No need to change reserved rows except 1.17. The new reserved row in this draft also conflicts with definition of 1.19 in P802.3by.

**SuggestedRemedy**  
 Change editorial instruction to simply read, Change the 1.17 row of Table 45-3 (as modified by IEEE Std 802.3bw) as shown below. Only show 1.17 row in Table 45-3 changes with Reserved in strikethrough and new register name and subclause underscore.

**Proposed Response**      **Response Status** **W**  
 PROPOSED ACCEPT IN PRINCIPLE.  
 REVISED  
 See suggested remedy (copied below) to accepted comment r01-8.

Change the editing instruction to: "Change the reserved row for 1.17 in Table 45-3 (as inserted by IEEE Std 802.3bw-2015) as follows (unchanged rows not shown):"  
 in the row for 1.17 add "Reserved" in strikethrough font and underline "EPoC PMA/PMD ability" in the "Register name" column, underline "45.2.1.14aa" and remove the row below.

**Cl 45**      **SC 45.2.1**      **P 39**      **L 1**      # **r01-28**  
 Grow, Robert      RMG Consulting

**Comment Type** **TR**      **Comment Status** **D**      *Table 45-3*  
 Incorrect base text for Table 45-3. IEEE Std 802.3bw-2015 has changed the reserved row in 802.3-2015 (what is included in the current draft) to define registers starting at 1.2100.

**SuggestedRemedy**  
 The 32767 should be 2099 in first (strikethrough text) and last (plain text) row of the changes. Add ("as modified by IEEE Std 802.3bw") to the editing instruction to indicate where the correct base text is found.

**Proposed Response**      **Response Status** **W**  
 PROPOSED ACCEPT IN PRINCIPLE.  
 REVISED  
 See suggested remedy (copied below) to accepted comment r01-09.

Change the editing instruction to: "Change the reserved row for 1.1809 through 1.2099 in Table 45-3 (as inserted by IEEE Std 802.3bw-2015) as follows (unchanged rows not shown):"  
 in the first row change the strikethrough text to "2099"  
 in the last row change "1.1959 through 1.32767" to "1.1959 through 1.2099"

**Cl 45**      **SC 45.21.131b6**      **P 61**      **L 49**      # **r01-29**  
 Grow, Robert      RMG Consulting

**Comment Type** **ER**      **Comment Status** **D**  
 Sections jump from 45.2.1.130z5 for register 1.1948 to 45.2.1.1301b6 for register 1.1949.  
 Table numbers jump from 45-98az5 to 45-99a01.

**SuggestedRemedy**  
 Fix to be consecutive with the required convoluted numbering.

**Proposed Response**      **Response Status** **W**  
 PROPOSED ACCEPT IN PRINCIPLE.  
 REVISED  
 This error only appears to be a problem in the FrameMaker generated CMP version of the draft and is not present in the clean version (see additional file on ballot site).

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*Cl* **45**      *SC* **45**                      *P*                      *L*                      # **r01-30**  
Grow, Robert                      RMG Consulting

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

Verify the remainder of the numbering.

*SuggestedRemedy*

Per comment

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

PROPOSED REJECT.

Standards are professionally edited by IEEE editors prior to publication.

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*Cl* **00**      *SC* **0**                      *P*                      *L*                      # **r01-31**  
Grow, Robert                      RMG Consulting

*Comment Type*    **G**                      *Comment Status*    **D**

You may mark all my D3.0 comments as satisfied as remaining errors are covered by comments on D3.1

*SuggestedRemedy*

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

PROPOSED ACCEPT IN PRINCIPLE.

REVISED

Thank you for this input.