Cl **45**　　*SC* **45.2.3.59b**　　　　*P* **31**　　　*L* **18**　　　# **25**

Huber, Thomas　　　　　　　　　Nokia

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

Both 45.2.3.59a and 45.2.3.59b are being inserted by this amendment. It is awkward to have an editing instruction to insert 45.2.3.59b after 45.2.3.59a, since 59a doesn't exist in the baseline document or any prior amendment.

SuggestedRemedy

Remove the editing instruction to insert 45.2.3.59b. Modify the editing instruction above 45.2.3.59a to say "Insert 45.2.3.59a and 35.2.3.59b after 45.2.3.59 as follows:"

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **155**　　*SC* **155.1.1**　　　　*P* **41**　　　*L* **13**　　　# **14**

Huber, Thomas　　　　　　　　　Nokia

Comment Type **E**　　*Comment Status* **R**

The two sentences in this subclause are still almost fully redundant with each other - the only difference is the second sentence mentions the PMD clause, which seems unnecessary, given that Figure 155-1 clearly shows that the 400GBASE-ZR PHY uses the 400GBASE-ZR PCS and 400GBASE-ZR PMA. By way of comparison, the equivalent scope clause for 100GBASE-ZR (clause 153) is a single sentence that aligns with the first sentence here.

SuggestedRemedy

Delete the second sentence.

Response　　　　　*Response Status* **C**

REJECT.

The additional sentence addresses the specific PCS and PMA sublayers that are used to support the 400GBASE-ZR PHY. These sublayers are different than other 400GBASE PCS and PMA sublayers.

Cl **155**　　*SC* **155.2.1**　　　　*P* **43**　　　*L* **49**　　　# **15**

Huber, Thomas　　　　　　　　　Nokia

Comment Type **T**　　*Comment Status* **A**　　　　　　*bucket*

The 400GBASE-ZR PCS does not connect (directly) to the Reconciliation Sublayer when a 400GMII Extender Sublayer is used, which will be the case in most if not all 400GBASE-ZR implementations. In that context, the first sentence is a bit misleading. It also isn't really necessary; the service interface is the MII; it doesn't matter whether it's the RS or PHY XS on the other side of the MII.

SuggestedRemedy

Delete the first sentence.

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **155**　　*SC* **155.2.5.3**　　　　*P* **47**　　　*L* **9**　　　# **16**

Huber, Thomas　　　　　　　　　Nokia

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

The parenthetical description of data bits could be clearer

SuggestedRemedy

Replace
Replace
(the logically serialized 257-bits block encoded stream produced according to 155.2.5.2)
with
(i.e., the logically serialized stream of 257-bit blocks produced according to 155.2.5.2)

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **155**　　*SC* **155.2.5.3**　　　　*P* **47**　　　*L* **26**　　　# **17**

Huber, Thomas　　　　　　　　　Nokia

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

GMP mapping is done on the 4-frame multiframe with 1028-bit granularity, so this table is showing the locations within the multiframe.

SuggestedRemedy

Change the title to 'GMP stuff word locations in 400GBASE-ZR multiframe'

Response　　　　　*Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **155**
SC **155.2.5.3**

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Cl **155**　　　*SC* **155.2.5.5**　　　　　*P* **48**　　　　*L* **10**　　　　# 18

Huber, Thomas　　　　　　　　　　　Nokia

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

It would be good to explicitly state that the bits/bytes shown in grey are not used, and what value is transmitted.

SuggestedRemedy

Add a new sentence at the end of the paragraph: The bit locations that are not labeled are unused and are transmitted as zero.

Response　　　　　　　*Response Status*　**C**

ACCEPT.

Cl **155**　　　*SC* **155.2.5.5.2**　　　　*P* **48**　　　　*L* **42**　　　　# 19

Huber, Thomas　　　　　　　　　　　Nokia

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

The description of how to set the RPF bit is not clear; 'remote 400GBASE-ZR receive function' seems to parse most naturally as the receive function in a remote node, which is presumably not what is intended here. The behavior that needs to be specified is setting the RPF bit to 1 if the associated rx function for the port can't find the frame (i.e., this bit is used to tell the node at the other end of the fiber that what it is sending is not being received).

SuggestedRemedy

Change the second sentence to read:
It is set to "1" to indicate that the 400GBASE-ZR PCS receive function in this node that is associated with the same port as this 400GBASE-ZR PCS transmit function has not detected the location of the AM field among the stream of 257-bit bocks delivered by the SC-FEC decoder; otherwise it is set to "0".

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Change:
"It is set to "1" to indicate that the remote 400GBASE-ZR PCS receive function has not detected the ocation of the AM field among the stream of 257-bit blocks delivered by the SC-FEC decoder; otherwise it is set to "0"."

To:
"It is set to 1 by the 400GBASE-ZR PCS transmit function to indicate that the local 400GBASE-ZR PCS receive function has not detected the location of the AM field among the stream of 257-bit blocks delivered by the SC-FEC decoder; otherwise it is set to 0."

Cl **155**　　　*SC* **155.2.5.5.3**　　　　*P* **49**　　　　*L* **16**　　　　# 20

Huber, Thomas　　　　　　　　　　　Nokia

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

There is a stray I at the start of the header text

SuggestedRemedy

change IGMP… to GMP…

Response　　　　　　　*Response Status*　**C**

ACCEPT.

Cl **155**　　　*SC* **155.2.5.11**　　　　*P* **53**　　　　*L* **32**　　　　# 1

Bruckman, Leon　　　　　　　　　　Huawei

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

The numbeing of the "c" bits shall not be italized

SuggestedRemedy

In c0 to c127, change the format of the numbers to regular

Response　　　　　　　*Response Status*　**C**

ACCEPT.

Cl **155**　　　*SC* **155.3.1.3**　　　　　*P* **58**　　　　*L* **17**　　　　# 2

Bruckman, Leon　　　　　　　　　　Huawei

Comment Type　**T**　　*Comment Status*　**A**

We show synchronization only to FAW

SuggestedRemedy

Change: "Synchronization to the FAW, TS, and PS fields followed by" to: " Synchronization to the FAW followed by"

Response　　　　　　　*Response Status*　**C**

ACCEPT.

Cl **155**　　　*SC* **155.3.2.2.1**　　　　*P* **60**　　　　*L* **38**　　　　# 21

Huber, Thomas　　　　　　　　　　　Nokia

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

The index k should be in italics

SuggestedRemedy

Italicize the k in the last sentence of the 3rd paragraph.

Response　　　　　　　*Response Status*　**C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **155**
SC **155.3.2.2.1**

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Cl **155**　　　*SC* **155.3.2.3.1**　　　*P* **61**　　　*L* **20**　　　# 22

Huber, Thomas　　　　　　　　　　Nokia

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

Awkward wording: "...is detecting a fault has as defined..."

SuggestedRemedy

Delete the extraneous 'has'

Response　　　　　　　*Response Status* **C**

ACCEPT.

Cl **155**　　　*SC* **155.3.3**　　　*P* **61**　　　*L* **38**　　　# 23

Huber, Thomas　　　　　　　　　　Nokia

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

128 x m should use a multiplication symbol

SuggestedRemedy

Replace the x with ×

Response　　　　　　　*Response Status* **C**

ACCEPT.

Cl **155**　　　*SC* **155.3.3.1.1**　　　*P* **61**　　　*L* **52**　　　# 3

Bruckman, Leon　　　　　　　　　　Huawei

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

The numbeing of the "c" bits shall not be italized

SuggestedRemedy

In c0 to c127, change the format of the numbers to regular

Response　　　　　　　*Response Status* **C**

ACCEPT.

Cl **155**　　　*SC* **155.3.3.1.1**　　　*P* **62**　　　*L* **1**　　　# 4

Bruckman, Leon　　　　　　　　　　Huawei

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

"S" is not further used in the draft. There is no need to define it

SuggestedRemedy

Change: "is mapped to sixteen DP-16QAM symbols (S),S = [s0, s1,…, s15]," to: is mapped to sixteen DP-16QAM symbols [S0, S1,…, S15]"
Numbers should be subscripted

Response　　　　　　　*Response Status* **C**

ACCEPT.

Cl **155**　　　*SC* **155.3.3.1.1**　　　*P* **62**　　　*L* **4**　　　# 5

Bruckman, Leon　　　　　　　　　　Huawei

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

The numbeing of the "c" bits shall not be italized

SuggestedRemedy

In c0 to c127, change the format of the numbers to regular

Response　　　　　　　*Response Status* **C**

ACCEPT.

Cl **155**　　　*SC* **155.3.3.1.1**　　　*P* **62**　　　*L* **15**　　　# 6

Bruckman, Leon　　　　　　　　　　Huawei

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

The numbeing of the "c" bits shall not be italized

SuggestedRemedy

In c0 to c127, change the format of the numbers to regular

Response　　　　　　　*Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general　　　*Cl* **155**　　Page 3 of 5
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn　　*SC* **155.3.3.1.1**　　7/27/2023 9:21:50 AM
SORT ORDER: Clause, Subclause, page, line

Cl **155**　　*SC* **155.3.3.1.3**　　　*P* **63**　　　*L* **50**　　　# 24

Huber, Thomas　　　　　　　　　　Nokia

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

Use superscript to indicate an exponent

SuggestedRemedy

Replace 2^13 with 2 and a superscripted 13

Response　　　　　　　*Response Status*　**C**

ACCEPT.

Cl **155**　　*SC* **155.3.3.1.9**　　　*P* **70**　　　*L* **7**　　　# 7

Bruckman, Leon　　　　　　　　　Huawei

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

In Fgure 155-14 "C" shall be lower case italized to make it coherent with 155.3.3.1.1

SuggestedRemedy

Change "C" to lower case italized in Figure 155-14

Response　　　　　　　*Response Status*　**C**

ACCEPT.

Cl **156**　　*SC* **156,9.6**　　　*P* **103**　　　*L* **1**　　　# 13

Maniloff, Eric　　　　　　　　　　Ciena

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

Spectral Mask is in the wrong section

SuggestedRemedy

Move mask into section 156.9.4

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Move Figure 156-6 from 156.9.6 to 156.9.4 after the sentence "The upper and lower masks are illustrated in Figure 156–6."

With editorial license.

Cl **156**　　*SC* **156.1**　　　*P* **85**　　　*L* **12**　　　# 8

Bruckman, Leon　　　　　　　　　Huawei

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

Consider changing "PMD" to "400GBASE-ZR PMD" to make it consistent with the other clauses (e.g. see 156.6)

SuggestedRemedy

Change "PMD" to "400GBASE-ZR PMD" through the whole 156 clause, wherever appropiate

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Implement suggested remedy with editorial license.

Cl **156**　　*SC* **156.2**　　　*P* **87**　　　*L* **12**　　　# 9

Bruckman, Leon　　　　　　　　　Huawei

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

The text alignment in the left of Figure 156-2 (right aligned) is different from the text alignment in the left of Figure 156-3 (center aligned)

SuggestedRemedy

Change text alignment in the left of Figures 156-2 or 156-3 to be consistent

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Change the noted text justification in Figure 156-3 to right to match Figure 156-2.

Cl **156**　　*SC* **156.8**　　　*P* **100**　　　*L* **31**　　　# 10

Bruckman, Leon　　　　　　　　　Huawei

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

The look of Table 156-10 could be improved

SuggestedRemedy

In Table 156-10 make the first (left side) column narrower to better fit content

Response　　　　　　　*Response Status*　**C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **156**
SC **156.8**

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Cl **156**　　*SC* **156.9.6**　　　　*P* **103**　　　*L* **38**　　　# 12

Maniloff, Eric　　　　　　　　　　Ciena

Comment Type　**T**　　　*Comment Status*　**A**

The high frequency valueof the laser frequency noise mask should specify the laser linewidth that results in this value.

SuggestedRemedy

Add the following text to section 156.9.6: "A maximum laser linewidth of 500kHz is used to determine the value of the laser frequency noise mask for frequencies ≥ 100MHz. The definition of maximum laser linewidth is provided in ITU-T G.698.2 The reveiver local oscillator has the same linewifth specification."

Response　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

In 156.9.6 add a new second paragraph:

"A laser linewidth of 500 kHz was used to calculate the value of the laser frequency noise mask for frequency offsets greater than or equal to 100 MHz. The definition of maximum laser linewidth is provided in ITU-T G.698.2."

With editorial license.

Cl **156**　　*SC* **156.10.1.2.7**　　　*P* **111**　　　*L* **6**　　　# 11

D'Ambrosia, John　　　　　　　　Futurewei, U.S. Subsidiary of Huawei

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

The heading of this subclause notes EVM Calculation, but IEEE P802.3cw leverages EVM MAX, and the text in this subclause points to the OIF subclause that is calculating EVM MAX.

SuggestedRemedy

Change subclause heading from "EVM Calculation" to "EVMMAX Calculation"

Response　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Change the subclause heading for 156.10.1.2.7 from
"EVM Calculation" to "EVMmax Calculation".

Update 156.10.1.2.7 to: "The EVMmax calculations are defined in OIF-400ZR-02.0, Implementation Agreement 400ZR section 20."

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **156**
SC **156.10.1.2.7**

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