

CI **FM** SC **FM** P **13** L **1** # **1**
 Remein, Duane Huawei
 Comment Type **E** Comment Status **A** EZ_Bucket
 Align page numbers in book
 SuggestedRemedy
 per comment
 Response Response Status **C**
 ACCEPT.

CI **30** SC **30** P **21** L **2** # **61**
 Remein, Duane Huawei
 Comment Type **T** Comment Status **A**
 Content for Clause 30 missing.
 SuggestedRemedy
 see remain_3cp_8_1905.pdf
 Response Response Status **C**
 ACCEPT IN PRINCIPLE.
 Changed pg fm 31 to 21
 Per comment, order PMDs BR10-BR40

CI **45** SC **45** P **23** L **1** # **2**
 Remein, Duane Huawei
 Comment Type **T** Comment Status **A** remain_3cp_8
 Add content for CI 45
 SuggestedRemedy
 Replace the contents of clause 45 as shown in remain_3cp_8_1905.pdf.
 Response Response Status **C**
 ACCEPT IN PRINCIPLE.
 Double check all table headers

CI **56** SC **56.1** P **25** L **14** # **3**
 Remein, Duane Huawei
 Comment Type **E** Comment Status **A** EZ_Bucket
 Remove green background highlights from all xRefs and change to forest green per WG
 template.
 SuggestedRemedy
 per comment
 Response Response Status **C**
 ACCEPT.

CI **56** SC **56.1** P **25** L **50** # **4**
 Remein, Duane Huawei
 Comment Type **T** Comment Status **A** remain_3cp_3
 Fig 56-1a does not show FEC. RS Block missing text
 SuggestedRemedy
 add FEC block & RS Text
 See remain_3cp_3_1905.pdf
 Response Response Status **C**
 ACCEPT.

CI **56** SC **56.1.2** P **26** L **38** # **5**
 Remein, Duane Huawei
 Comment Type **T** Comment Status **A** remain_3cp_3
 We should mention 25GMII and 50GMII in the 1st para of 56.1.2.
 SuggestedRemedy
 Add with appropriate formats:
 56.1.2.2 Reconciliation Sublayer (RS) and media independent interfaces
 Change the first paragraph 56.1.2.2 (as changed by P802.3ca YYYY) as shown below:
 The Clause 22 RS and MII, Clause 35 RS and GMII, >>SOand<< Clause 46 RS and
 XGMII, >>ULClause 106 RS and 25GMII, and Clause 132 RS and 50GMII<<, are all
 employed for the same purpose in EFM, that being the interconnection between the MAC
 sublayer and the PHY sublayers. Extensions to the Clause 35 RS for P2MP topologies are
 described in Clause 65, the RS for 10G-EPON P2MP topologies is described in Clause 76,
 the RS for Nx25G-EPON P2MP topologies is described in Clause 143, and the RS for
 EPoC P2MP topologies is described in Clause 101.
 See remain_3cp_3_1904.pdf
 Response Response Status **C**
 ACCEPT.

CI 56 SC 56.1.3 P 27 L 10 # 6
 Remein, Duane Huawei
 Comment Type T Comment Status A remein_3cp_3
 We should update Table 56-1 and Table 56-2.
 SuggestedRemedy
 See remein_3cp_3_1905.pdf
 Response Response Status C
 ACCEPT IN PRINCIPLE.
 Verify Nominal reach (km) column is certer justified.

CI 56 SC 56.1.4 P 27 L 11 # 7
 Remein, Duane Huawei
 Comment Type T Comment Status A
 Remove unneeded proposed changes to 56.1.4 & 56.1.5
 SuggestedRemedy
 per comment
 Response Response Status C
 ACCEPT.

CI 158 SC 158 P 33 L 16 # 8
 Remein, Duane Huawei
 Comment Type T Comment Status A remein_3cp_4
 Due to the age of the base clause (CI 52) CI 158 is significantly different from CI 159 & 160. While this is understandable for some sections, more general sections, such as Overview, PMD service interface, Delay constraints, Safety, installation, environment and labeling, Fiber optical cabling model, and Characteristics of the fiber optic cabling (channel) should be structurally similar to CI 159/160.
 SuggestedRemedy
 Restructure CI 158 per remein_3cp_4_1905. A "dif" version is available in remein_3cp_5_1905 and a summary of changes is in remein_3cp_7_1905)
 Response Response Status C
 ACCEPT.

CI 158 SC 158 P 33 L 18 # 9
 Remein, Duane Huawei
 Comment Type E Comment Status A remein_3cp_4 PMD_Names
 Accept names as proposed for 10GBASE-BLR, 10GBASE-BMR, 10GBASE-BERand 10GBASE-BxR and remove magenta highlights.
 SuggestedRemedy
 per comment. See remein_3cp_4_1905.pdf
 Response Response Status C
 ACCEPT IN PRINCIPLE.
 Use 10GBASE-BR10, 10GBASE-BR20, and 10GBASE-BR40.
 General reference is 10G-BASE-BRx

Do this last!

CI 158 SC 158.1 P 33 L 22 # 10
 Remein, Duane Huawei
 Comment Type T Comment Status A remein_3cp_4
 Remove magenta highlights from CI 158.1.
 SuggestedRemedy
 per comment. See remein_3cp_4_1905.pdf
 Response Response Status C
 ACCEPT.

CI 158 SC 158.1 P 33 L 25 # 11
 Remein, Duane Huawei
 Comment Type T Comment Status A remein_3cp_4
 Need to add description of OLT/ONU (D/U) variants.
 SuggestedRemedy
 Add to the end of the para "The 10GBASE-BxR PHYs are divided into two variants based on the direction of transmission; Optical Line Terminal (OLT) PHYs transmit in the downstream direction and Optical Network Unit (ONU) PHYs transmit in the upstream direction. PHY variant is indicated with a suffix of D for OLT PHYs and U for ONU PHYs."
 See remein_3cp_4_1905.pdf
 Response Response Status C
 ACCEPT.
 Per TF consensus: Access Networks assume directionality (OLT/ONU) due to different environments in Central Office and field locations (safety, temperature, reparability, and interoperability)

CI 158 SC 158.1 P 33 L 29 # 12

Remein, Duane Huawei

Comment Type T Comment Status D

Table 158-1 is incomplete. Replace Table 158-1 with a copy the 10G entries from proposed Table 157-1 omitting the " (see Clause 158)".

SuggestedRemedy

per comment

Proposed Response Response Status Z

REJECT.

This comment was WITHDRAWN by the commenter.

Withdraw; not sure what happened to proposed Table 157-1

CI 158 SC 158.1.1 P 34 L 36 # 62

Remein, Duane Huawei

Comment Type T Comment Status A

If we allow for a required or optional FEC the clause reference for that FEC should appear in Table 158-2.

SuggestedRemedy

Add to table below last row:

74 - FEC for BASE-R PHYs | Optional | Optional | Optional |

Response Response Status C

ACCEPT.

CI 158 SC 158.1.1.1 P 35 L 5 # 14

Remein, Duane Huawei

Comment Type E Comment Status A remein_3cp_4

Remove 158.1.1.1 PMD_UNITDATA.request through 158.1.1.3.3 Effect of receipt and add xref to CI 49 per Editor's comment. Replace text in 158.1.1 with "The PMD service interfaces for 10GBASE-BxR are the same as PMD service interface for 10GBASE-R as described in 49.2 with the BER as specified in 158.x.x."
Add 158.1.1 "Bit error ratio" with modified text from 159.1.1.

SuggestedRemedy

per comment. See remein_3cp_4_1905.pdf

Response Response Status C

ACCEPT.

CI 158 SC 158.4 P 37 L 1 # 15

Remein, Duane Huawei

Comment Type T Comment Status A remein_3cp_4

Update Table 158-4 to align with 159-2/3

SuggestedRemedy

per comment. See remein_3cp_4_1905.pdf

Response Response Status C

ACCEPT.

CI 158 SC 158.4.1 P 37 L 22 # 16

Remein, Duane Huawei

Comment Type E Comment Status A remein_3cp_4

There is no need to highlight the 2nd para (nor should it be a 2nd para).

SuggestedRemedy

remove highlighting and combine with 1st para. See remein_3cp_4_1905.pdf

Response Response Status C

ACCEPT.

CI 158 SC 158.4.1 P 37 L 28 # 17

Remein, Duane Huawei

Comment Type T Comment Status A

Add "Editor's Note: replace with duplicate of Figure 159-2 once that is agreed." Remove preceding Ed Note.

SuggestedRemedy

If Fig 159-2 is agreed than use that here otherwise per comment.

Response Response Status C

ACCEPT.
See cmt #43

CI 158 SC 158.4.4 P 38 L 22 # 18
 Remein, Duane Huawei
 Comment Type E Comment Status A EZ_Bucket remain_3cp_4
 Incorrect Table ref (52-5) should be 158-5.
 SuggestedRemedy
 per comment. See remain_3cp_4_1905.pdf
 Response Response Status C
 ACCEPT.

CI 158 SC 158.4.6 P 39 L 1 # 19
 Remein, Duane Huawei
 Comment Type E Comment Status A remain_3cp_4
 Move 158.4.6 PMD fault function after 158.4.7 PMD global transmit disable function to align with clause structure of 159/160.
 SuggestedRemedy
 per comment. See remain_3cp_4_1905.pdf
 Response Response Status C
 ACCEPT.

CI 158 SC 158.4.7 P 39 L 8 # 20
 Remein, Duane Huawei
 Comment Type T Comment Status A remain_3cp_1
 158.4.7 PMD global transmit disable function needs to be mandatory for BiDi PMDs to enable silent start.
 SuggestedRemedy
 See remain_3cp_1_1905.pdf and remain_3cp_2_1905.pdf
 Response Response Status C
 ACCEPT IN PRINCIPLE.
 Per comment plus:
 Change "EPON network" to "EPON" (slide 3).
 Editor to modify text to enable transmission only when PCS is locked and to disable it only when PMD rx signal is lost.

CI 158 SC 158.4.7 P 39 L 9 # 21
 Remein, Duane Huawei
 Comment Type E Comment Status A EZ_Bucket remain_3cp_4
 Incorrect table references (52-7, 12 & 16).
 SuggestedRemedy
 Change: to Table 158-12. See remain_3cp_4_1905.pdf
 (assuming we use sub-clause 158.6 for all 10G PMDs)
 Response Response Status C
 ACCEPT.

CI 158 SC 158.4.9 P 39 L 32 # 23
 Remein, Duane Huawei
 Comment Type T Comment Status A
 158.4.9 PMD receive fault function should be mandatory for BiDi PMDs to enable silent start.
 SuggestedRemedy
 Change from:
 "The PMD_receive_fault function is optional.." to
 "The 10GBASE-BxR-U PMD shall include the PMD_receive_fault function, in the 10GBASE-BxR-D PMD this function is optional."
 Strike: Editor's Note
 Response Response Status C
 ACCEPT.

CI 158 SC 158.5 P 40 L 40 # 24
 Remein, Duane Huawei
 Comment Type T Comment Status A
 Remove section 158.5 PMD to MDI optical specifications for 10GBASE-S retaining section 158.6 with all three PMD optical specs in a single section per Editor's Note.
 SuggestedRemedy
 per comment
 Response Response Status C
 ACCEPT.

CI 158 SC 158.6 P 41 L 12 # 25

Remein, Duane Huawei

Comment Type T Comment Status A

A straw poll indicated there is agreement that for 10G PHYs we should use 127 nm DS and 1310 nm US. We should also be able to agree on minimum ranges of 2-10, 2-20 and 2-40 km.

SuggestedRemedy

Remove the magenta highlights on Table 158-11.
 For Table 158-12 (10GBASE-BxR-D variant) change Center wavelength (max) to be 1300 to 1320 over all 3 PMDs.
 For Table 158-12 (10GBASE-BxR-U variant) change Center wavelength (max) to be 1260 to 1280 over all 3 PMDs.
 For Table 158-13 (10GBASE-BxR-D variant) change Center wavelength (max) to be 1260 to 1280 over all 3 PMDs.
 For Table 158-13 (10GBASE-BxR-U variant) change Center wavelength (max) to be 1300 to 1320 over all 3 PMDs.

This assumes US/DS table split per another comment.

Response Response Status C

ACCEPT IN PRINCIPLE.
 (for table split see cmt 26)
 Should 1260-1280 nm US and 1320-1340 nm DS

CI 158 SC 158.6 P 42 L 1 # 26

Remein, Duane Huawei

Comment Type T Comment Status A *remein_3cp_4*

PMD Tables need to be expanded or duplicated to account for -D (OLT) and -U (ONU) variants).

SuggestedRemedy

Duplicate 158-12, and 158-13. Label one set for -D PMDs and the other for -U PMDs. See *remein_3cp_4_1905.pdf*

Response Response Status C

ACCEPT.

CI 158 SC 158.6 P 42 L 1 # 27

Remein, Duane Huawei

Comment Type E Comment Status A *EZ_Bucket rein_3cp_4*

Table headers, Signaling speed (nominal), and Signaling speed variation from nominal (max) should not be controversial.

SuggestedRemedy

Remove magenta highlights for these rows in Tables 157-12 & 13. See *remein_3cp_4_1905.pdf*

Response Response Status C

ACCEPT.

CI 158 SC 158.6.3 P 43 L 49 # 28

Remein, Duane Huawei

Comment Type E Comment Status A *EZ_Bucket rein_3cp_4*

Grammar incorrect.

SuggestedRemedy

Change
 "An example power budget and penalties for a 10GBASE-BLR, 10GBASE-BMR, and 10GBASE-BER channel are shown in Table 158-14." to
 "Example power budgets and penalties for a 10GBASE-BxR channel are shown in Table 158-14."

Change section title from:
 "10GBASE-BLR, 10GBASE-BMR, and 10GBASE-BER link ..." to
 "10GBASE-BxR link ..."

See *remein_3cp_4_1905.pdf*

Response Response Status C

ACCEPT.

CI 158 SC 158.7 P 44 L 23 # 29

Remein, Duane Huawei

Comment Type T Comment Status A

Remove section 158.7 PMD to MDI optical specifications for 10GBASE-BER retaining section 158.6 with all three PMD optical specs in a single section per Editor's Note.

SuggestedRemedy

per comment

Response Response Status C

ACCEPT.

CI 158 SC 158.8.1 P 47 L 28 # 30
 Remein, Duane Huawei
 Comment Type E Comment Status A EZ_Bucket remain_3cp_4
 Missing ref to Figure 158-4
 SuggestedRemedy
 Add to the last sentence in 158.8.1 " as illustrated in Figure 158-4"
 Remove Ed Note following figure.
 See remain_3cp_4_1905.pdf
 Response Response Status C
 ACCEPT.

CI 158 SC 158.9 P 39 L 30 # 22
 Remein, Duane Huawei
 Comment Type E Comment Status A
 Reorder 158.9 and subclauses from:
 158.9 Optical measurement requirements
 158.9.1 Test patterns
 158.9.1.1 Test-pattern definition
 158.9.1.2 Square wave pattern definition
 158.9.2 Center wavelength, spectral width, and side mode suppression ratio (SMSR) measurements
 158.9.3 Average optical power measurements
 158.9.4 Extinction ratio measurements
 158.9.5 Optical modulation amplitude (OMA) test procedure
 158.9.6 Relative intensity noise optical modulation amplitude (RINxOMA) measuring procedure.....
 158.9.7 Transmitter optical waveform
 158.9.8 Receive sensitivity measurements
 158.9.9 Stressed receiver conformance test
 158.9.10 Transmitter and dispersion penalty (TDP)
 158.9.10.1 Reference transmitter requirements
 158.9.10.2 Channel requirements
 158.9.10.3 Reference receiver requirements
 158.9.10.4 Test procedure
 158.9.11 Measurement of the receiver 3 dB electrical upper cutoff frequency
 SuggestedRemedy
 To:
 158.8 Optical measurement requirements
 158.8.1 Test patterns
 158.8.1.1 Test-pattern definition
 158.8.1.2 Square wave pattern definition
 158.8.2 Center wavelength, spectral width, and side mode suppression ratio (SMSR) measurements
 158.8.3 Average optical power measurements
 158.8.4 Optical modulation amplitude (OMA) test procedure
 158.8.5 Transmitter and dispersion penalty (TDP)
 158.8.5.1 Reference transmitter requirements
 158.8.5.2 Channel requirements
 158.8.5.3 Reference receiver requirements
 158.8.5.4 Test procedure
 158.8.6 Extinction ratio measurements
 158.8.7 Transmitter optical waveform
 158.8.8 Relative intensity noise optical modulation amplitude (RINxOMA) measuring procedure.....
 158.8.9 Receive sensitivity measurements
 158.8.10 Stressed receiver conformance test
 158.8.11 Measurement of the receiver 3 dB electrical upper cutoff frequency

Assumes 158.5 & 7 are removed

Response *Response Status* **C**
ACCEPT.

CI 158 **SC 158.9.1.1** **P 48** **L 44** # **31**

Remein, Duane Huawei

Comment Type **E** *Comment Status* **A** *remein_3cp_4*

These test patterns should be non-controversial.

SuggestedRemedy

Remove magenta highlights from Tables 158-20, 21, and 22. See *remein_3cp_4_1905.pdf*

Response *Response Status* **C**
ACCEPT.

CI 158 **SC 158.9.1.1** **P 49** **L 25** # **32**

Remein, Duane Huawei

Comment Type **T** *Comment Status* **A** *remein_3cp_4*

Related subclause in Table 158-22 should point to the appropriate sub-clause in 158 not 52.

SuggestedRemedy

per comment. See *remein_3cp_4_1905.pdf*

Response *Response Status* **C**
ACCEPT.

CI 158 **SC 158.9.1.2** **P 50** **L 4** # **33**

Remein, Duane Huawei

Comment Type **T** *Comment Status* **A** *remein_3cp_4*

Change "These patterns have fundamental frequencies between approximately 452 MHz (10GBASE-W) and 1289 MHz (10GBASE-BxR)." to remove ref to 10GBASE-W

SuggestedRemedy

"The patterns have fundamental frequencies of 1289 MHz."

See *remein_3cp_4_1905.pdf*

Response *Response Status* **C**
ACCEPT.

CI 158 **SC 158.9.2** **P 50** **L 12** # **34**

Remein, Duane Huawei

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

I do not believe there is a need to carry the references to OC-192 or STM-64 forward. They only occur in CI 158 and I believe applied to WAN interfaces.

SuggestedRemedy

Strike all references to these signals in the draft.

Response *Response Status* **C**
ACCEPT.

CI 158 **SC 158.9.3** **P 50** **L 16** # **35**

Remein, Duane Huawei

Comment Type **E** *Comment Status* **A** *remein_3cp_4*

The para describing Extinction ration measurements should not be controversial.

SuggestedRemedy

remove magenta highlights. See *remein_3cp_4_1905.pdf*

Response *Response Status* **C**
ACCEPT.

CI 158 SC 158.10 P 57 L 18 # 36

Remein, Duane Huawei

Comment Type E Comment Status A remein_3cp_4

Change title of 158.10 "Environmental specifications" and renumber subsequent sections from:

158.10.1 General safety
158.10.2 Laser safety
158.10.3 Installation
158.11 Environment
158.11.1 Electromagnetic emission
158.11.2 Temperature, humidity, and handling
158.12 PMD labeling requirements

to align with 159/160

SuggestedRemedy

New title "Safety, installation, environment, and labeling"

New clause order:

158.9 Environmental specifications
158.9.1 General safety
158.9.2 Laser safety
158.9.3 Installation
158.9.4 Environment
158.9.5 Electromagnetic emission
158.9.6 Temperature, humidity, and handling
158.9.7 PMD labeling requirements

(assumes 158.5 & 158.7 removed)

See remein_3cp_4_1905.pdf

Response Response Status C

ACCEPT.

CI 158 SC 158.10 P 57 L 22 # 37

Remein, Duane Huawei

Comment Type E Comment Status A EZ_Bucket remein_3cp_4

Section 158.10 to 158.12 are nearly identical to 160.8 and should be non-controversial.

SuggestedRemedy

Remove magenta highlights from 158.10 to 158.12. See remein_3cp_4_1905.pdf

Response Response Status C

ACCEPT.

CI 1581 SC 1581.1 P 34 L 51 # 13

Remein, Duane Huawei

Comment Type E Comment Status A remein_3cp_4

Renumber 158.1.1 to be 158.2 to align with CI 159/160

SuggestedRemedy

per comment. See remein_3cp_4_1905.pdf

Response Response Status C

ACCEPT.

CI 159 SC 159 P 65 L 14 # 38

Remein, Duane Huawei

Comment Type E Comment Status A PMD_Name

Accept names as proposed for 25GBASE-BLR, 25GBASE-BMR, 25GBASE-BER and 25GBASE-BxR and remove magenta highlights.

SuggestedRemedy

per comment

Response Response Status C

ACCEPT IN PRINCIPLE.
Use 25GBASE-BR10, 25GBASE-BR20, and 25GBASE-BR40
General reference is 25G-BASE-BRx

Do this last!

CI 159 SC 159.1 P 65 L 19 # 39

Remein, Duane Huawei

Comment Type E Comment Status A EZ_Bucket

Remove magenta highlight from par 159.1 (text/figures & tables).

SuggestedRemedy

per comment

Response Response Status C

ACCEPT.

CI 159 SC 159.1 P 65 L 21 # 40

Remein, Duane Huawei

Comment Type T Comment Status A

Need to add description of OLT/ONU (D/U) variants.

SuggestedRemedy

Add after 2nd sentence the para "The 25GBASE-BxR PHYs are divided into two variants based on the direction of transmission; Optical Line Terminal (OLT) PHYs transmit in the downstream direction and Optical Network Unit (ONU) PHYs transmit in the upstream direction. PHY variant is indicated with a suffix of D for OLT PHYs and U for ONU PHYs."

Response Response Status C

ACCEPT.

CI 159 SC 159.1 P 65 L 33 # 41

Remein, Duane Huawei

Comment Type T Comment Status A

Complete Table 159-1.

SuggestedRemedy

Copy cells under 25GBASE-BLR to 25GBASE-BMR column.

Response Response Status C

ACCEPT.

CI 159 SC 159.3 P 67 L 8 # 42

Remein, Duane Huawei

Comment Type E Comment Status A EZ_Bucket

Remove magenta highlight from section 159.3, duration of 512 bit time at 25G should not be controversial.

SuggestedRemedy

per comment

Response Response Status C

ACCEPT.

CI 159 SC 159.5.1 P 68 L 24 # 43

Remein, Duane Huawei

Comment Type T Comment Status R remein_3cp_6

Update to Figure 159-2

SuggestedRemedy

see remein_3cp_6_1905

Response Response Status C

REJECT.

The proposed figures were not deemed clear enough. Additional suggestions are requested.

CI 159 SC 159.5.6 P 69 L 49 # 44

Remein, Duane Huawei

Comment Type T Comment Status A

159.5.6 PMD global transmit disable function needs to be mandatory for BiDi PMDs to enable silent start.

SuggestedRemedy

Strike "(optional)" from title

Change from:

"The PMD_global_transmit_disable function is optional and allows ..." to "The 25GBASE-BxR-U PMD shall include the PMD_global_transmit_disable function, in the 25GBASE-BxR-D PMD this function is optional. This function allows ..."

Remove magenta highlights

Response Response Status C

ACCEPT.

CI 159 SC 159.5.9 P 70 L 20 # 45

Remein, Duane Huawei

Comment Type T Comment Status A

159.5.9 PMD receive fault function should be mandatory for BiDi PMDs to enable silent start.

SuggestedRemedy

Strike "(optional)" from section title.

Insert as 1st sentence:

"The 25BASE-BxR-U PMD shall include the PMD_receive_fault function, in the 25GBASE-BxR-D PMD this function is optional."

Response Response Status C

ACCEPT.

CI 159 SC 159.6 P 71 L 9 # 46
 Remein, Duane Huawei
 Comment Type T Comment Status A
 PMD Tables need to be expanded or duplicated to account for -D (OLT) and -U (ONU) variants).
 SuggestedRemedy
 Duplicate 159-6, and 159-7. Label one set for -D PMDs and the other for -U PMDs.
 Response Response Status C
 ACCEPT.

CI 159 SC 159.7.3 P 74 L 37 # 47
 Remein, Duane Huawei
 Comment Type T Comment Status A
 The reader is referenced to 159.7.1 which sends them to Table 95-9 which sends them to 82.2.11 or 83.5.10.
 We should not send the read on a rabbit chase.
 SuggestedRemedy
 Copy Table 95-9 to CI 158.7.1
 Response Response Status C
 ACCEPT.

CI 159 SC 159.7.6 P 75 L 33 # 48
 Remein, Duane Huawei
 Comment Type E Comment Status A
 The para describing Extinction ratio measurements should not be controversial.
 SuggestedRemedy
 remove magenta highlights
 Response Response Status C
 ACCEPT.

CI 159 SC 159.7.7 P 75 L 38 # 49
 Remein, Duane Huawei
 Comment Type E Comment Status A
 Swap sections 159.7.7 & 159.7.8 so sub-clauses align within amendment.
 Note this puts Tx tests first and Rx tests 2nd
 SuggestedRemedy
 per comment
 Response Response Status C
 ACCEPT.

CI 159 SC 159.9. P 77 L 28 # 50
 Remein, Duane Huawei
 Comment Type E Comment Status A EZ_Bucket
 the "?" in table 159-12 Maximum channel insertion loss versus number of discrete reflectances for 25GBASE-BER should be a less than or equal sign.
 SuggestedRemedy
 per comment
 Response Response Status C
 ACCEPT.

CI 160 SC 160 P 81 L 13 # 51
 Remein, Duane Huawei
 Comment Type E Comment Status A PMD_Names
 Accept names as proposed for 50GBASE-BLR, 50GBASE-BMR, 50GBASE-BERand 50GBASE-BxR and remove magenta highlights.
 SuggestedRemedy
 per comment
 Response Response Status C
 ACCEPT IN PRINCIPLE.
 Use 50GBASE-BR10, 50GBASE-BR20, and 50GBASE-BR40.
 General reference is 50G-BASE-BRx
 Do this last!

CI 160 SC 160.1 P 81 L 18 # 52
 Remein, Duane Huawei
 Comment Type E Comment Status A EZ_Bucket
 Remove magenta highlight from par 160.1
 SuggestedRemedy
 per comment
 Response Response Status C
 ACCEPT.

CI 160 SC 160.1 P 81 L 21 # 53
 Remein, Duane Huawei
 Comment Type T Comment Status A
 Need to add description of OLT/ONU (D/U) variants.
 SuggestedRemedy
 Add after 2nd sentence the para "The 50GBASE-BxR PHYs are divided into two variants based on the direction of transmission; Optical Line Terminal (OLT) PHYs transmit in the downstream direction and Optical Network Unit (ONU) PHYs transmit in the upstream direction. PHY variant is indicated with a suffix of D for OLT PHYs and U for ONU PHYs."
 Response Response Status C
 ACCEPT.

CI 160 SC 160.3 P 83 L 40 # 54
 Remein, Duane Huawei
 Comment Type T Comment Status A
 We don't have any skew to deal with in a single channel device.
 SuggestedRemedy
 Change title of 160.3 to Delay constraints
 Remove 160.3.1. header,
 Remove section 160.3.2.
 Response Response Status C
 ACCEPT.

CI 160 SC 160.5.1 P 85 L 16 # 55
 Remein, Duane Huawei
 Comment Type T Comment Status A
 missing TP1/4 qualifying statement.
 SuggestedRemedy
 Add to the end of the para "TP1 and TP4 are informative reference points that may be useful to implementers for testing components (these test points will not typically be accessible in an implemented system)."
 Response Response Status C
 ACCEPT.

CI 160 SC 160.5.6 P 86 L 31 # 56
 Remein, Duane Huawei
 Comment Type T Comment Status A
 160.5.6 PMD global transmit disable function needs to be mandatory for BiDi PMDs to enable silent start.
 SuggestedRemedy
 Strike "(optional)" from title
 Change:
 "The PMD_global_transmit_disable function is optional and allows ..." to
 "The 50GBASE-BxR-U PMD shall include the PMD_global_transmit_disable function, in the 50GBASE-BxR-D PMD this function is optional. This function allows ..."
 Remove magenta highlights
 Response Response Status C
 ACCEPT.

CI 160 SC 160.5.9 P 87 L 1 # 57
 Remein, Duane Huawei
 Comment Type T Comment Status A
 159.5.9 PMD receive fault function should be mandatory for BiDi PMDs to enable silent start.
 SuggestedRemedy
 Strike "(optional)" from section title.
 Insert as 1st sentence:
 ""The 50GBASE-BxR-U PMD shall include the PMD_receive_fault function, in the 50GBASE-BxR-D PMD this function is optional."
 Response Response Status C
 ACCEPT.

Cl 160 **SC 160.6** **P 87** **L 31** # **58**

Remein, Duane Huawei

Comment Type T **Comment Status A**

We should include the same footnote to Table 160-5 that are in 159-5 addressing FEC & Engineered links.

SuggestedRemedy

copy Footnotes from Table 159-5 to 160-5. Highlight "RS-FEC" and "IEC 60793-2-50 type B1.1, type B1.3, or type B6" unless this highlighting is removed from Table 159-5.

Response **Response Status C**

ACCEPT.

Cl 160 **SC 160.6.1** **P 87** **L 44** # **59**

Remein, Duane Huawei

Comment Type T **Comment Status A**

PMD Tables need to be expanded or duplicated to account for -D (OLT) and -U (ONU) variants).

SuggestedRemedy

Duplicate 160-6, and 160-7. Label one set for -D PMDs and the other for -U PMDs.

Response **Response Status C**

ACCEPT.

Cl 160 **SC 160.7.7** **P 94** **L 27** # **60**

Remein, Duane Huawei

Comment Type T **Comment Status A**

We don't have lanes

SuggestedRemedy

Strike "of each lane"

Response **Response Status C**

ACCEPT.