Cl **116** *SC* **116.3.3.3** *P* **134** *L* **51** # 5

Bruckman, Leon Nvidia

Comment Type **E** *Comment Status* **D** *(editorial)*

Text can be improved

SuggestedRemedy

Change: "and, for physical layer implementations that use the ILT function defined in Annex 178B, to indicate the ILT status."
to: "and, to indicate the ILT status for physical layer implementations that use the ILT function defined in Annex 178B."

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **116** *SC* **116.3.3.4** *P* **135** *L* **42** # 6

Bruckman, Leon Nvidia

Comment Type **E** *Comment Status* **D** *(editorial)*

Text can be improved

SuggestedRemedy

Change: "and, for physical layer implementations that use the ILT function defined in Annex 178B, to indicate the ILT status."
to: "and, to indicate the ILT status for physical layer implementations that use the ILT function defined in Annex 178B."

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **170** *SC* **170.1** *P* **168** *L* **13** # 8

Bruckman, Leon Nvidia

Comment Type **ER** *Comment Status* **D** *(editorial)*

Missing "the"

SuggestedRemedy

Change: "and 1.6 Tb/s Media Independent"
to: "and the 1.6 Tb/s Media Independent"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **186** *SC* **186.2.3.4** *P* **552** *L* **19** # 9

Bruckman, Leon Nvidia

Comment Type **ER** *Comment Status* **D** *(editorial)*

In Figure 186-5, the frames are contigous, but they are shown with spaces between them

SuggestedRemedy

In Figure 186-5 make the frames contigous, without space between them

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **177** *SC* **177.5.2** *P* **298** *L* **45** # 32

Huang, Kechao Huawei

Comment Type **E** *Comment Status* **D** *(editorial)*

“FS” should be changed to "FAS", as it is the shortened form of "Frame Alignment Sequence", see subclause 177.4.7.1.

SuggestedRemedy

In page 298, change “FS” to "FAS" in Lines 45, 46, 48, 49, 51;
In page 298, change “FSs” to "FASs" in Line 47;
In page 302, change “FS” to "FAS" in Line 12

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

Implement with editorial license and discretion.

[Editor's note: CommentType changed from T to E per request from commenter.]

Cl **177** *SC* **177.6.2.1** *P* **301** *L* **8** # 33

Huang, Kechao Huawei

Comment Type **E** *Comment Status* **D** *(editorial)*

“fs” should be changed to "fas", as it is the shortened form of "Frame Alignment Sequence", see subclause 177.4.7.1. Suggest to apply similar changes in subclause 177.6

SuggestedRemedy

Change "fs" to "fas" in subclause 177.6.2.1, 177.6.2.3, and figures 177-9 and 177-10

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

[Editor's note: CommentType changed from T to E per request from commenter.]

Cl **177** *SC* **177.6.2.1** *P* **301** *L* **15** # 34

Huang, Kechao Huawei

Comment Type **E** *Comment Status* **D** *(editorial)*

"frame sequence" should be changed to "frame alignment sequence"

SuggestedRemedy

In page 301, change "frame sequence" to "frame alignment sequence" in Lines 15,16,19.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

Implement with editorial license and discretion.

[Editor's note: CommentType changed from T to E per request from commenter.]

Cl **175** *SC* **175.8** *P* **245** *L* **9** # 43

KABRA, LOKESH SYNOPSYS

Comment Type **E** *Comment Status* **D** *(editorial)*

Incorrect Variable reference given in Table 175--3 for "loopback"

SuggestedRemedy

Change 175.3 to 175.4

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **174** *SC* **174.3.2** *P* **218** *L* **20** # 61

Opsasnick, Eugene Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

In Figure 174-4 (1.6T Inter-sublayer interfaces with Inner FEC), there is no AUI. The Inner FEC will (almost) always be in an optical module below an AUI connection to a host. It would be better to show the Inner FEC below an AUI in this figure since the layer stack shown, while logically correct, will never actually be used.

SuggestedRemedy

Add a "1.6T BASE-R 8:8 PMA" between the "1.6T BASE-R 16:8 PMA" on line 14 and the "1.6TBASE-R Inner FEC" on line 20. And then add the necessary inter-layer signals on the AUI connection between the two PMAs.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **179** *SC* **179.11.7.2** *P* **380** *L* **17** # 68

Ran, Adee Cisco Systems, Inc.

Comment Type **ER** *Comment Status* **D** *(editorial)*

"mated test fixture" - it is "fixtures" everywhere else.

SuggestedRemedy

Change to "mated test fixtures"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180** *SC* **180.1** *P* **389** *L* **49** # 69

Ran, Adee Cisco Systems, Inc.

Comment Type **E** *Comment Status* **D** *(editorial)*

The text in footnote b, "If one or two 200GAUI-n is implemented in a PHY", has a numeric mismatch (two / is).

The fact that one or two AUIs can be included is mentioned in footnote c. Footnote b is a condition for having additional PMAs, and does not need to repeat what footnote c states.

Also, footnote c uses "instantiated" instead of "implemented" when talking about the same thing. We should be consistent.

In D1.2, for KR and CR PHYs (where only one AUI can be included in a PHY), this statement was changed to "If a 200GAUI-n is implemented in a PHY <...>". This wording is correct for all PHYs.

There are 11 instances of "if one or two" with 200GAUI-n, 400GAUI-n, 800GAUI-n, and 1.6TAUI-n.

SuggestedRemedy

Change "If one or two" to "If a" (in this instance, "If a 200GAUI-n is implemented in a PHY"). Apply similarly for all instances.
Change "implemented in a PHY" to "instantiated in a PHY" (19 instances).

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180** *SC* **180.7.1** *P* **399** *L* **26** # 70

Ran, Adee Cisco Systems, Inc.

Comment Type **E** *Comment Status* **D** *(editorial)*

The words "each lane" are not appropriate for "signaling rate", since it cannot be aggregated (unlike power and bit rate).

This was corrected in D1.2 in most places in the electrical clauses, but these words still appear in optical clauses (8 instances).

This comment is specific to the signaling rate parameter; other parameters are subject of other comments.

SuggestedRemedy

Delete "each lane" from "signaling rate in all optical Tx and Rx specifications tables.
Apply in all optical PMD clauses.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180** *SC* **180.7.1** *P* **400** *L* **10** # 72

Ran, Adee Cisco Systems, Inc.

Comment Type **E** *Comment Status* **D** *(editorial)*

For RINxxOMA , it seems that the xx in this case should be 15.5 for 200G and 21.4 for other cases. But this is not clear that these are different parameters (and they have the same maximum value; does it make sense?)
Footnote c says "with “xx” referring to the value for Optical return loss tolerance.", but it should be the maximum value.
In previous PMD clauses the RIN parameter name included specific values. For example, in Table 167–7, RIN14OMA.

SuggestedRemedy

Either change footnote c to "Optical return loss tolerance (max)" and state clearly that this creates different parameters for 200G and for 400G/800G/1.6T, or preferably replace xx with numbers (separating to two rows).

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180** *SC* **180.9.11** *P* **415** *L* **3** # 74

Ran, Adee Cisco Systems, Inc.

Comment Type **ER** *Comment Status* **D** *(editorial)*

The dashed list item "N0 and N3 are to be measured <…>" is not part of the variable list for this equation; N0 and N3 are already defined.

SuggestedRemedy

Move the text of this item to a regular paragraph after the list.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **186** *SC* **186.2.3.1** *P* **550** *L* **1** # 76

Ran, Adee Cisco Systems, Inc.

Comment Type **ER** *Comment Status* **D** *(editorial)*

"One 800GMII data transfer is encoded into one 66-bit block. Idle characters are removed from the stream of 66b blocks"
"66b" seems to refer to "66-bit block" in the previous sentence. This inconsistency is not helpful.

There are many similar instances of block sizes in this clause, such as 66B and 257B in 186.2.3.2, and 128B elsewhere. The "B" suffix is potentially confusing as it often denotes bytes. Although this format is common for the encoding/transcoding schemes, we should avoid using it for block sizes.

SuggestedRemedy

Change all instances of block sizes written as #b or #B to "#-bit" except in the transcoder labels (64B/66B to 256B/257B transcoder). Also in subclause headings.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **174A** *SC* **174A.6.1.1** *P* **642** *L* **22** # 77

Ran, Adee Cisco Systems, Inc.

Comment Type **ER** *Comment Status* **D** *(editorial)*

The counter variable names tbecount and tbtcount are obscure and too similar to each other, making the text difficult to parse.
There is no need to use such abbreviated names. The text would be clearer with variable naming similar to the PCS counter names e.g. in 175.2.5.3.

SuggestedRemedy

Rename tbecount(k) to test_block_error_bin(k) and tbtcount to test_block_counter.

Apply elsewhere as necessary.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **174A** *SC* **174A.8** *P* **645** *L* **35** # 80

Ran, Adee Cisco Systems, Inc.

Comment Type **ER** *Comment Status* **D** *(editorial)*

In Table 174A–3 the last column has "in a PHY" but it is about an xMII extender.

SuggestedRemedy

Change to "in an xMII Extender".

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **179A** *SC* **179A.5** *P* **775** *L* **7** # 86

Ran, Adee Cisco Systems, Inc.

Comment Type **ER** *Comment Status* **D** *(editorial)*

In the "ILddCA,max (dB)" columns, the content should be numbers, and the cable assembly class should be in parentheses.

SuggestedRemedy

per comment.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **179A** *SC* **179A.5** *P* **776** *L* **13** # 88

Ran, Adee Cisco Systems, Inc.

Comment Type **ER** *Comment Status* **D** *(editorial)*

The horizontal locations of TP0d and TP5d (still) appear almost aligned with those of TP1 and TP4, but these are very different test points. This could be improved.
Also, in the mated test fixture the test points should be annotated.

SuggestedRemedy

Move the TP0d line to the left and the TP5d line to the right, flush with the transmit and receive function, respectively. Extend the arrows appropriately.

In the mated test fixtures part of the diagram, add TP1 and TP2 labels on the top and TP4 and TP5 labels on the bottom, or in another way if preferred.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **179** *SC* **179.8.4** *P* **244** *L* **4** # 115

Brown, Matt Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

Use of possessive "PMD's" not appropriate or necessary in a technical document. Since this clause is about the PMD, it is implicit that ILT here is for the PMD.

SuggestedRemedy

Either change "PMD's" to "PMD" or delete "PMD's"
Do the same in 179.9.4.1.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **175** *SC* **175.5** *P* **244** *L* **4** # 116

Brown, Matt Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

Several instances of acronym "BT" with defining this acronym. Typically, in this draft the it "bit times (BT)".

SuggestedRemedy

change "BT" to "bit times (BT)"
also, in 184.7 and 186.5

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **178B** *SC* **178B.5** *P* **744** *L* **16** # 117

Brown, Matt Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

Figure 178B-3. Use of apostrophe <'>followed by "s" is for possession, which is not the case here.

SuggestedRemedy

Change "3's" to "3s" and "0's" to "0s"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176C** *SC* **176C.3.1** *P* **679** *L* **29** # 119

Brown, Matt Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

For consistency with PMD clauses, the error allocation subclause should be 2nd level heading right after the introduction.

SuggestedRemedy

Move 176C.3.1 to be immediately after 176C.1, with new heading number 176C.2.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176D** *SC* **176D.4** *P* **698** *L* **42** # 120

Brown, Matt Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

For consistency with PMD clauses, the error allocation subclause should be 2nd level heading right after the introduction.

SuggestedRemedy

Move 176D.4 to be immediately after 176D.1, with new heading number 176D.2.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **45** *SC* **45.2.1.213c** *P* **91** *L* **31** # 122

Brown, Matt Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

Use of possessive, e.g., lane 0's Inner FEC total bits register, is not necessary or appropriate for a technical document. It is sufficient and appropriate to use "lane 0 Inner FEC total bits registers".

SuggestedRemedy

Replace "lane 0's" with "lane 0" here and 4 other places in Clause 45.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **181** *SC* **181.1** *P* **420** *L* **9** # 130

Brown, Matt Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

Acronym WDM is first introduced here in the clause but is not defined. Use same wording as provided for WDM in subclause 1.5 (base standard).

SuggestedRemedy

Change "WDM" to "Wavelength division multiplexing (WDM)"
Do the same in 183.1.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176C** *SC* **176C.3.1** *P* **679** *L* **27** # 133

Brown, Matt Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

The "Error ratio allocation" sublclause should not be a level 3 heading under service interfaces.

SuggestedRemedy

Change the heading number from "177C.3.1" to "176C.4" and renumber the subsequent level 3 headers.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176C** SC **176C.3.1** P **679** L **27** # 134

Brown, Matt — Alphawave Semi

Comment Type **E** *Comment Status* **D** *(editorial)*

To be consistent with the various PMD clauses the error allocation subclause should be a level 2 heading immediately after the overiew subclause.

SuggestedRemedy

Move "176C.3.1" to just before 176C.2 and change to a level 2 heading "176C.2".
Similarly, move 176D.4 to just before 176C.2.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176D** SC **176D.1** P **696** L **14** # 195

Li, Tobey — MediaTek

Comment Type **ER** *Comment Status* **D** *(editorial)*

Typo in "400 Gb/s two-lane Attachment Unit Interface (200GAUI-2 C2M)"

SuggestedRemedy

Change "200GAUI-2 C2M" to "400GAUI-2 C2M".

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176D** SC **176D.1** P **696** L **44** # 196

Li, Tobey — MediaTek

Comment Type **ER** *Comment Status* **D** *(editorial)*

Figure 176D-1,
200GAUI-1 shall be 200 Gb/s 1-LANE ATTACHMENT UNIT INTERFACE.
400GMII shall be 400 Gb/s MEDIA INDEPENDENT INTERFACE

SuggestedRemedy

Line 44, change "200GAUI-1 = 100 Gb/s 1-LANE ATTACHMENT UNIT INTERFACE" to "200GAUI-1 = 200 Gb/s 1-LANE ATTACHMENT UNIT INTERFACE"
Line 47, change "400GMII = 200 Gb/s MEDIA INDEPENDENT INTERFACE" to "400GMII = 400 Gb/s MEDIA INDEPENDENT INTERFACE"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180** SC **180.8.3.1.1** P **406** L **2** # 220

Johnson, John — Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

MDI nomenclature is inconsistent with Annex 180A here, as well as in 180.8.3.1.2 and 180.8.3.1.3.

SuggestedRemedy

Change "MDI pin" to "MDI position" in the text and tables to be consistent with nomenclature used in Annex 180A.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180** SC **180.9.5.1** P **413** L **20** # 221

Johnson, John — Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

The nomencalture of footnote (c) in Table 180-19 should match the nomenclature in Table 180-7.

SuggestedRemedy

Change footnote (c) to read: "The optical return loss tolerance (max) from Table 180–7 is applied at TP2." as in footnote (c) of Table 182-19.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **181** SC **181.7.2** P **429** L **27** # 222

Johnson, John — Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

In "lanec", footnote "c" should be superscripted

SuggestedRemedy

Make "c" superscripted.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **182** *SC* **182.8.3.1.1** *P* **459** *L* **25** # 223

Johnson, John Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

MDI nomenclature is inconsistent with Annex 180A here, as well as in 182.8.3.1.2 and 182.8.3.1.3.

SuggestedRemedy

Change "MDI pin" to "MDI position" in the text and tables to be consistent with nomenclature used in Annex 180A.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **183** *SC* **183.9.5.1** *P* **491** *L* **4** # 224

Johnson, John Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

If no informative Annex is planned in D1.3, remove the reference in footnote (a)

SuggestedRemedy

Make footnote (a) consistent with other PMD clauses. Remove the phrase, "and the optical channel characteristics methodology described in Annex TBD".

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **185A** *SC* **185A.2.2** *P* **814** *L* **51** # 225

Johnson, John Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

grammar: "comprises of"

SuggestedRemedy

Change "comprises of" to "comprises"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **185A** *SC* **185A.2.2.1** *P* **815** *L* **15** # 226

Johnson, John Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

The text suggests that the residual spec values are given in Table 185A-2, but only the parameters are in this table. The specs are given in tables in the PMD clauses.

SuggestedRemedy

Reword this sentence along the lines of, "Post-calibration residual parameters for the calibrated coherent detector front-end are listed in Table 185A–2. The values assigned to these parameters are defined by the Physical Layer specification that invokes the method."

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180** *SC* **180.9.13** *P* **415** *L* **28** # 300

Ghiasi, Ali Ghiasi Quantum

Comment Type **E** *Comment Status* **D** *(editorial)*

121.8.10 is the Wrong reference

SuggestedRemedy

It should be 121.8.9

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **181** *SC* **181.9.13** *P* **439** *L* **8** # 301

Ghiasi, Ali Ghiasi Quantum

Comment Type **E** *Comment Status* **D** *(editorial)*

121.8.10 is the Wrong reference

SuggestedRemedy

It should be 121.8.9

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **183** *SC* **183.9.13** *P* **493** *L* **11** # 303

Ghiasi, Ali — Ghiasi Quantum

Comment Type **E** *Comment Status* **D** *(editorial)*

121.8.10 is the Wrong reference

SuggestedRemedy

It should be 121.8.9

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176D** *SC* **176D.7.13.2** *P* **715** *L* **4** # 319

Ghiasi, Ali — Ghiasi Quantum

Comment Type **E** *Comment Status* **D** *(editorial)*

Extra character

SuggestedRemedy

Remove the "e" between step and 176D.7.12.2

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180** *SC* **180.1** *P* **389** *L* **46** # 327

Nicholl, Gary — Cisco Systems

Comment Type **E** *Comment Status* **D** *(editorial)*

Is there a reason that "90-Time synchronization" was added as the last row in the Table 180-1. According to "https://www.ieee802.org/3/dj/public/24_09/nicholl_3dj_01a_2409.pdf" , slide 24, it should have been added at the top of the table. Similar comment for Table 180-2, 180-3, 180-4.
and against equivlanet tables in clauses 178, 179, 181, 182, 183, 185 and 187.

SuggestedRemedy

Move "90-Time synchronization" row to the top of Table 180-1 in accordance with "https://www.ieee802.org/3/dj/public/24_09/nicholl_3dj_01a_2409.pdf" , slide 24. Similar change to Table 180-2, 180-3, 180-4, and to equivalent tables in clauses 178, 179, 181, 182, 183, 185 and 187.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **180A** *SC* **180A.2** *P* **807** *L* **24** # 329

Nicholl, Gary — Cisco Systems

Comment Type **E** *Comment Status* **D** *(editorial)*

The second pargraph is referencing 16-position optical connectors and the 3rd paragraph then goes on to reference 12-position optical connectors. But the following sections then switch the order with 180A.3 referring to 12-position optical connectors and 180A.4 referrring to 16-position optical connectors.

SuggestedRemedy

Suggest switcing the order of the 2nd and 3rd paragraphs in 180A.2, to match the order of the subsequent subclauses 180A.3 and 180A.4.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **179C** *SC* **179C.2.1** *P* **796** *L* **51** # 332

Kocsis, Sam — Amphenol

Comment Type **E** *Comment Status* **D** *(editorial)*

SFF-TA-1031 Rev 1.0 does not include SFP224

SuggestedRemedy

Add an Editor's note: The reference for SFP224 does not currently include 200G per lane specificatoins but it's expected to include before publication of this standard.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **179C** *SC* **179C.2.3** *P* **798** *L* **42** # 337

Kocsis, Sam — Amphenol

Comment Type **E** *Comment Status* **D** *(editorial)*

SFF-TA-1027 Rev 1.0 does not include QSFP224

SuggestedRemedy

Add an Editor's note: The reference for QSFP224 does not currently include 200G per lane specificatoins but it's expected to include before publication of this standard.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **179C** *SC* **179C.2.4** *P* **799** *L* **36** # 338

Kocsis, Sam Amphenol

Comment Type **E** *Comment Status* **D** *(editorial)*

QSFP-DD MSA Revision to 7.?

SuggestedRemedy

Update QSFP-DD MSA Revision to 7.1

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **179C** *SC* **179C.2.5** *P* **800** *L* **22** # 341

Kocsis, Sam Amphenol

Comment Type **E** *Comment Status* **D** *(editorial)*

OSFP MSA Revision to 5.0?

SuggestedRemedy

Update OSFP MSA Revision to 5.1

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
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Cl **179C** *SC* **179C.2** *P* **796** *L* **35** # 344

Kocsis, Sam Amphenol

Comment Type **E** *Comment Status* **D** *(editorial)*

Editor's note is no longer needed

SuggestedRemedy

See contribution kocsis_3dj_01_2411

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

Implement with editorial license and discretion.

Cl **176** *SC* **176.1.3** *P* **253** *L* **34** # 373

Slavick, Jeff Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

Eleven items is a bit more than what I'd considered to be several.

SuggestedRemedy

Change "Several terms" to "The following terms"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176** *SC* **176.2** *P* **256** *L* **47** # 374

Slavick, Jeff Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

The last several paragraphs of 176.2 are dealing with specific types of PMAs and the SIGNAL_OK function. We have 3 different types of PMAs whose functionality we do group into different sub-clauses later on, so making each its own sub-clause of 176.2 I think would organize it better.

SuggestedRemedy

Insert this heading "176.2.1 PMA service interface for m:n PMA" before the paragraph that begins with "In the transmit direction, the m:n PMAs"
Insert this heading "176.2.2 PMA service interface for n:m PMA" before the paragraph that begins with "In the transmit direction, the n:m PMAs"
Insert this heading "176.2.3 PMA service interface for n:n PMA" before the paragraph that begins with "In the transmit direction, the n:n PMAs"
Insert this heading "176.2.4 SIGNAL_OK for the PMA service interface" before the paragraph that begins with "The PMA receives signal status"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176** *SC* **176.4.4.2.1** *P* **271** *L* **45** # 376

Slavick, Jeff Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

The mapping of SIGNAL_OK to signal_ok_*mux is an active mapping of the service interface to status value.

SuggestedRemedy

Change "It is true if the value was OK" to "It is true when the value is OK" in both signal_ok_mux and signal_ok_demux definitions.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **176** *SC* **176.2** *P* **257** *L* **39** # 377

Slavick, Jeff Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

Noting that there is a clock propagation in addition to the actual listed primitives should occur right after we list out those parameters and before we fully define them.

SuggestedRemedy

Move the last paragraph of 176.2 and 176.3 to be after the bullet list of interface primitives.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **177** *SC* **177.2** *P* **290** *L* **37** # 378

Slavick, Jeff Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

Noting that there is a clock propagation in addition to the actual listed primitives should occur right after we list out those parameters and before we fully define them.

SuggestedRemedy

Move the last paragraph of 177.2 to be after the bullet list of interface primitives.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **171** *SC* **171.6a** *P* **184** *L* **17** # 379

Slavick, Jeff Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

Enahanced PTP should likley come after the "normal" TimeSync function of path delay information.

SuggestedRemedy

Flip-flop Enhanced PTP accuracy and Path data delay for time synchronization

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **177** *SC* **177.4.2** *P* **291** *L* **52** # 385

Slavick, Jeff Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

There is a , in the 1536 number.

SuggestedRemedy

Remove the comma

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **177** *SC* **177.5.2.** *P* **298** *L* **27** # 387

Slavick, Jeff Broadcom

Comment Type **E** *Comment Status* **D** *(editorial)*

The phrase "at least 140" is intending the minimum value of invalid codewords in which you take this branch. Alternative wording could be used to improve clarity of the function.

SuggestedRemedy

Change "at least 140" to "140 or more"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **184** *SC* **184.2** *P* **498** *L* **43** # 420

Kota, Kishore Marvell Semiconductor

Comment Type **E** *Comment Status* **D** *(editorial)*

ADC input signals in Figure 184-2 are labelled RX_Ai, RX_Aq, RX_Bi and RX_Bq. I think the labels A/B are used to highlight the fact that the polarization angle at the receiver is not necessarily aligned with the X/Y polarizations at the transmitter. However, A/B are somewhat arbitrary and do not clearly reflect the fact that those are orthogonal polarizations.

SuggestedRemedy

My suggestion is to use H/V (for horizontal and vertical) instead of A/B because it is common to use these letters in coherent DSPs instead of X/Y to indicate orthogonal polarizations. i.e. use RX_Hi, RX_Hq, RX_Vi, RX_Vq. Same change would also apply to uses of these names in 184.5.1 on page 508, lines 45, 47 and 51 and in 184.5.2 on page 509, line 5 and 184.5.7 on page 510, line 10.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.

Cl **185** *SC* **185.5.1** *P* **528** *L* **32** # 421

Kota, Kishore Marvell Semiconductor

Comment Type **E** *Comment Status* **D** *(editorial)*

ADC input signals in Figure 185-5 are labelled RX_Ai, RX_Aq, RX_Bi and RX_Bq. I think the original X/Y were changed to A/B to highlight the fact that the polarization angle at the receiver is not necessarily aligned with the X/Y polarizations at the transmitter. However, A&B are somewhat arbitrary and do not clearly reflect the fact that those are orthogonal polarizations.

SuggestedRemedy

My suggestion is to use H/V (for horizontal and vertical) instead of A/B because it is common to use these letters in coherent DSPs instead of X/Y to indicate orthogonal polarizations. i.e. use RX_Hi, RX_Hq, RX_Vi, RX_Vq. Same change would also apply to uses of these names in 185.5.3 on page 529 line 25,

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implement with editorial license and discretion.