C/ FM SC FM P1 L23 # 112 C/ FM SC FM **P1** L26 # 132 Zimmerman, George ADI, APLgp, Cisco, Marvell, On Semi, Sony, Sen Tekse Dawe. Piers Nvidia Comment Status A Comment Type Comment Status A resolved Comment Type bucket EZ This draft is amending IEEE Std 802.3-2022 which has already been amended now by at Task Force review least 9 published amendments, and at least one in WG ballot ahead of this draft. It is SuggestedRemedy important to keep track of the other changes so that the new changes are properly Working Group ballot correlated with clause numbers and other changes made. Since this amendment makes changes to clauses 30 & 45 in places near or at where other amendments have, this may Response Response Status C create errors. Hence my marking this comment, which seems minor, as required. ACCEPT SuggestedRemedy Replace "IEEE Std 802.3y-20xx" with the list of published amendements and those ahead C/ FM SC FM P1 L26 of this amendment in the process. (Note - Include at least the published amendments (dd. Ran. Adee Cisco Systems, Inc. cs, db, ck, de, cx, cz, cy, df, and Cor1 listed in the introduction), as well as 802.3da which is ahead of this amendment. Comment Type E Comment Status A bucket EZ Editor to review edits to existing clauses (30, 45, and 80) to determine whether any section Task Force review has completed. numbering or editing instructions for location of changes are altered. SuggestedRemedy Response Response Status U Change "Task Force review" to "Working Group Ballot". ACCEPT IN PRINCIPLE. Replace "IEEE Std 802.3y-20xx" with the list of published amendements and those ahead Response Response Status C of this amendment in the process. ACCEPT. Follow the latest template (Version 5.5). See comment #132 C/ FM SC FM P1 L23 # 24 C/ FM P8 SC FM L3 # 26 Ran. Adee Cisco Systems, Inc. Ran. Adee Cisco Systems, Inc. Comment Status A Comment Type Ε resolved Comment Type E Comment Status R resolved The list of amendments is missing. The placeholders in the text box should be replaced. Currently ratified amendments are listed in the proposed response. SuggestedRemedy SugaestedRemedy Change from Change "as amended by IEEE Std 802.3yy-20xx" "IEEE Std 802.3xx-20xx. IEEE Draft Standard for Ethernet. Amendment: Amendment title (copy from PAR)." "as amended by IEEE Std 802.3dd-2022, IEEE Std 802.3cs-2022, IEEE Std 802.3db-2022, IEEE Std 802.3ck-2022. IEEE Std 802.3de-2022. IEEE Std 802.3cx-2023. IEEE Std "IEEE Std 802.3dk-20xx, IEEE Draft Standard for Ethernet—Amendment: Bidirectional 100 802.3cz-2023, IEEE Std 802.3cy-2023, IEEE Std 802.3df-2024, and IEEE Std 802.3-Gb/s Optical Access PHYs" 2022/Cor 1-2024". Response Response Status C Response Status C Response

REJECT

See comment #222

ACCEPT IN PRINCIPLE.

See comment #112.

C/ FM SC FM P8 L31 # 27 Ran. Adee Cisco Systems, Inc. Comment Status A bucket EZ Comment Type Ε Placeholder should be replaced SuggestedRemedy Change "IEEE Std 802.3xx-20xx" to "IEEE Std 802.3dk-20xx" Response Response Status C ACCEPT C/ 00 SC 0 P**0** LO # 53 Regev, Alon Keysight Comment Type Ε Comment Status A bucket EZ PDF document properties contain incorrect data: Tile is listed as "IEEE Draft P802.3xx" Author is listed as "IEEE P802.3xx Task Force" Subject is listed as "IEEE P802.3ai" Copyright notice is "Copyright © 201x IEEE. All rights reserved." SuggestedRemedy change Title fron "IEEE Draft P802.3xx" to "IEEE Draft P802.3dk" change Author fron "IEEE P802.3xx Task Force" to "IEEE P802.3dk Task Force" change Subject from "IEEE P802.3aj" to ""IEEE P802.3dk" change copyright notice from "Copyright © 201x IEEE. All rights reserved." to "Copyright © 2025 IEEE. All rights reserved." Response Response Status C ACCEPT. C/ 00 SC 0 P**0** L0 # 131 Dawe. Piers Nvidia Comment Type E Comment Status A bucket EZ pdf metadata is at default SuggestedRemedy Populate with correct data Response Response Status C ACCEPT.

See comment #53

C/ 00 SC 0 P1 L # 28

Ran, Adee Cisco Systems, Inc.

The project description refers to "a single strand of single-mode fiber". The word "strand" appears two more times in the draft, but is not defined in it. The base standard has only 3 instances of "strand". all related to copper wires, not optical fibers.

Comment Status R

It is unclear what "strand" means.

TR

#### SuggestedRemedy

Comment Type

Assuming "strand" means a single fiber, as it seems from the draft, I suggest changing "a single strand of single-mode fiber" to "one single-mode fiber", consistent with the text added in 30.5.1.1.2.

Implement across the draft (3 instances, and possbly other places as appropriate).

#### Response Status W

REJECT.

Strand is used in cp abstract and list of amendment.

All the abstracts will not be incorporated into the 802.3 base standard.

Keep consistent with 802.3cp.

resolved

C/ 00 SC 0 P1 L13 # 222 C/ 00 SC 0 P**7** L31 # 20 Wienckowski. Natalie IVN Solutions LLC Lusted. Kent Synopsys Comment Status R Comment Status A Comment Type ER resolved Comment Type bucket EZ The Ammendment title is supposed to match the name in the PAR Fill in the balloter information in the introduction SuggestedRemedy SuggestedRemedy Change: Amendment: Bidirectional 100 Gb/s Optical Access PHYs Fill in the balloter information in the introduction To: Amendment: Greater than 50 Gb/s Bidirectional Optical Access PHYs Task Force Response Response Status C Also change this on the heading of each page. ACCEPT Response Response Status C REJECT. C/ 00 SC 0 **P7** L50 The title is within the scope of PAR. Copperopolis (aff'l w/ CME Consulting and Cisco) Maguire, Valerie Subclause 4.2.3.2 'Review of draft standards' of the IEEE-SA Standards Board Operations Manual <a href="https://standards.ieee.org/wp-">https://standards.ieee.org/wp-</a> Comment Type E Comment Status A bucket EZ content/uploads/import/documents/other/sb om.pdf#page=10> lists 'Title of Document. The IEEE-SA Standards Board member names to be supplied at publication title on the draft document and submittal form shall be within the scope as stated on the most recently approved PAR, or action(s) shall be taken to ensure this.'. Further, the IEEE-SuggestedRemedy SA 2014 Style manual has similar text that reads, 'Per 4.2.3.2 of the IEEE-SA Standards Replace, "Konstantinos Karachalios, Secretary" Board Operations Manual, the title on the draft document shall be within the scope as stated on the most recently approved PAR.' with, "FirstName SecondName, Secretary" <a href="https://mentor.ieee.org/myproject/Public/mytools/draft/styleman.pdf">https://mentor.ieee.org/myproject/Public/mytools/draft/styleman.pdf</a>#page=13>. Response Response Status C Based on the above, the title of the draft standard must be within the scope of the approved ACCEPT. PAR and does not have to match the title of the approved PAR. The scope of the IEEE P802.3dk PAR is 'Define physical layer specifications and management parameters for C/ 00 SC 0 P8 L4 # 223 symmetric bidirectional operation at greater than 50 Gb/s over a single strand of single **IVN Solutions LLC** Wienckowski, Natalie mode fiber of at least 10 km.'. Since '... Bidirectional 100 Gb/s Optical Access ...' is greater than 50 Gb/s over a single strand of single-mode fibre, the title of the draft is within the Comment Status R Comment Type ER resolved scope of the PAR as required. The box under "Introduction" needs to be updated with P802.3dk information. SC 0 P**2** L4 # 8 C/ 00 SuggestedRemedy Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) Change: Std 802.3-20xx To: Std 802.3dk-202x Comment Type E Comment Status A resolved and Change: Amendment title (copy from PAR) Consider adding additional Keywords. To: Greater than 50 Gb/s Bidirectional Optical Access PHYs Task Force SuggestedRemedy Response Response Status U Insert in alphabetical order: REJECT. Optical Line Terminal (OLT), Optical Network Terminal (ONT), Optical Network Unit (ONU) See comment #222.

Response Status C

Optical Line Terminal (OLT) and Optical Network Unit (ONU) could be added, which have

Response

ACCEPT IN PRINCIPLE.

been used in the draft.

SC 1.4 C/ 00 SC 0 P11 L2 # 7 C/ 1 P11 **L**0 # 96 Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) Slavick, Jeff Broadcom Comment Status A Comment Type resolved Comment Type TR Comment Status A resolved Consider adding placeholder information for P802.3da Missing definitions for 100GBASE-BR10/20 SuggestedRemedy SuggestedRemedy Insert. 1.4.x 100GBASE-BR10: IEEE 802.3 Physical Laver specification for a 100 Gb/s "IEEE Std 802.3da™-20xx bidirectional link over one single-mode fiber with reach up to at least 10 km. There are different specifications for 100GBASE-BR10-D and 100GBASE-BR10-U: a transmission Amendment X- This amendment includes changes to IEEE Std 802.3-2022 and adds Clause 188 through Clause 189. This amendment adds Physical Layer specifications and path connects one to the other. (See IEEE Std 802.3, Clause 168.) management parameters for enhancement of multidrop 10 Mb/s operation based on the 1.4.y 100GBASE-BR20: IEEE 802.3 Physical Layer specification for a 100 Gb/s 10BASE-T1S PHY specified in Clause 147 of IEEE Std 802.3-2022, and specifies optional bidirectional link over one single-mode fiber with reach up to at least 20 km. There are provision of power over single balanced different specifications for 100GBASE-BR20-D and 100GBASE-BR20-U; a transmission pair mixing segments. Additionally, this amendment includes additions and changes to path connects one to the other. (See IEEE Std 802.3, Clause 168.) Clause 148 to automatically allocate node IDs (Dynamic PLCA)." 1.4.z 100GBASE-BR40: IEEE 802.3 Physical Laver specification for a 100 Gb/s (Editor to ensure that TM is superscript) bidirectional link over one single-mode fiber with reach up to at least 40 km. There are different specifications for 100GBASE-BR40-D and 100GBASE-BR40-U; a transmission Response Response Status C path connects one to the other. (See IEEE Std 802.3. Clause 168.) ACCEPT IN PRINCIPLE. Response Response Status W See comment #112. ACCEPT IN PRINCIPLE. C/ 00 SC 0 P11 # 258 L54 Implement suggested remedy with editorial license. Wienckowski. Natalie **IVN Solutions LLC** C/ 1 SC 1.4 P12 **L**0 # 134 Comment Type ER Comment Status A bucket EZ Dawe, Piers Nvidia Missing table of contents Comment Type E Comment Status A resolved SuggestedRemedy Physical Laver definitions are missing Create table of contents and insert after the introductory material and before Clause 30. SugaestedRemedy Response Response Status C Add Physical Layer definitions after 1.4.24 100BASE-X and before 1.4.24a 100GBASE-CR1 ACCEPT. Response Response Status C ACCEPT See comment #96.

C/ 30 SC 30.5.1.1.2 P12 L11 # 122 C/ 30 SC 30.5.1.1.2 P12 L12 # 105 Huber, Thomas Nokia Slavick, Jeff Broadcom Comment Type Comment Status A bucket EZ Comment Type ER Comment Status A bucket EZ 100GBASE-T is not included in 30.5.1.1.2 of 802.3-2022 or any of its amendments. 100GBASF-T does not exist Further, In the rest of 30.5.1.1.2, the PHYs are listed alphabetically by rate; as such, this SuggestedRemedy set BRxx PHYs should be inserted before 100GBASE-CR Change the editing instructions to be "Insert the following types into the "APPROPRIATE SuggestedRemedy SYNTAX" section of 30.5.1.1.2 before 100GBASE-CR1 (as inserted by IEEE Std. 802.3ck-Change the editing instruction to say "Insert the following types into the "APPROPRIATE 2022):" SYNTAX" section of 30.5.1.1.2 after 50GBASE-SR:" Response Response Status W Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. See comment #135. See comment #135. C/ 30 SC 30.5.1.1.2 P12 L16 # 136 C/ 30 SC 30.5.1.1.2 P12 L12 # 135 Dawe, Piers Nvidia Dawe, Piers Nvidia Comment Type E Comment Status A resolved Comment Type E Comment Status A bucket EZ So that the reviewers can confirm that the new material is inserted in the correct place Unlike most tables which are in order of MAC rate - reach - length, this is in alphanumeric SugaestedRemedy Please show one row before and one after the new material SuggestedRemedy Response Response Status C Change "30.5.1.1.2 after 100GBASE-T" to "30.5.1.1.2 (as modified by IEEE Std 802.3ck-2022), after 50GBASE-SR and before 100GBASE-CR1" ACCEPT For tables, show one row before and one after the new material. Response Response Status C Implement suggested remedy with editorial license. ACCEPT. C/ 30 SC 30.5.1.1.2 P12 L18 # 137 C/ 30 SC 30.5.1.1.2 P12 L12 # 113 Dawe, Piers Nvidia Zimmerman, George ADI,APLgp,Cisco,Marvell,OnSemi,Sony,SenTekse Comment Type T Comment Status A resolved Comment Type E Comment Status A bucket EZ In 30.5, one should not describe these MAU types "bi-directional" when others such as As a card-carrying BASE-T quy, I'm pretty sure we never got so audacious as to do 50GBASE-BR10 and 40GBASE-T are not described like that. By the way, 802.3 spells it 100GBASE-T. Where does this go? Most of these are alphanumeric, so I think the new without a hyphen. MAUs are the first in the 100G section... (whereas "T" would be in an odd place, near the SugaestedRemedy end, and the location of the new row in the fault description tables is grouped after the LR4/ER4 row... - that's why I'm not sure) Either change the description of many MAUs (via maintenance?) or don't use the word for these ones. SuggestedRemedy Response Response Status C change 100GBASE-T to 50GBASE-SR ACCEPT IN PRINCIPLE. Response Response Status C Keep the current description, remove hyphen from "bi-directional". ACCEPT IN PRINCIPLE. Maintenance required for previous BiDi descriptions in CL30.5. See comment #135.

C/ 30 SC 30.5.1.1.2 P12 L20 # 58 C/ 30 SC 30.5.1.1.2 P12 L23 # 138 Regev, Alon Keysight Dawe. Piers Nvidia Comment Type Ε Comment Status A bucket EZ Comment Type Comment Status A bucket EZ References to "Clause 168" should be links Trailing blanks SuggestedRemedy SuggestedRemedy on lines 20, 23, 26, 29, 32, and 35 make the references to "Clause 168" into links to Remove. It looks like there are five in this page "Clause 168" Response Response Status C Response Response Status C ACCEPT ACCEPT See comment #114. Cl 45 SC 2.1.28 P15 L43 # 221 Effenberger, Frank Futurewei Technologies C/ 30 SC 30.5.1.1.2 P12 L20 # 114 Comment Type E Comment Status A resolved Zimmerman, George ADI, APLqp, Cisco, Marvell, On Semi, Sony, Sen Tekse Table 45-50: The reserved bits are not quite right, as there are wo codepoints that need to Comment Type E Comment Status A bucket EZ be reserved. "Clause 168" references should be active cross-references (hyperlinks) - they are not. SuggestedRemedy SuggestedRemedy Add the following: Replace "Clause 168" text at lines 20, 23, 26, 29, 32, and 35 with active cross references  $1.1 \times \times \times = Reserved$ 1 0 1 1 1 x = Reserved Response Response Status C Response Response Status C ACCEPT. ACCEPT IN PRINCIPLE. SC 30.5.1.1.2 C/ 30 P12 L23 # 139 See comment #147. Dawe. Piers Nvidia P13 Cl 45 SC 45.2.1.7.4 L10 # 224 Comment Type Ε Comment Status A bucket EZ Wienckowski, Natalie **IVN Solutions LLC** Three dots Comment Type E Comment Status R resolved SuggestedRemedy Includes an unchanged row when the editing instructions say it doesn't. Should not be underlined SuggestedRemedy Response Status C Response Delete unchanged row ACCEPT. Response Response Status C REJECT.

See comment #136.

C/ 45 SC 45.2.1.7.4 P13 L12 # 29 C/ 45 SC 45.2.1.7.5 P13 L40 # 225 Ran. Adee Cisco Systems, Inc. Wienckowski. Natalie IVN Solutions LLC Comment Status A Comment Status R Comment Type ER bucket EZ Comment Type resolved Table 45-9 has been amended multiple times. The editorial instruction should state which Includes an unchanged row when the editing instructions say it doesn't. version the amendment is based on. SuggestedRemedy Similarly for other tables in existing clauses (45 and 80). I believe the current version of table 45-9 is in 802.3df-2024. Other tables may be in Delete unchanged row different amendments. Response Response Status C (P802.3da is also in flight but I assume P802.3dk is planned to be completed first) REJECT See comment #136. The label in the suggested remedy is based on the label in 802.3df. SuggestedRemedy Cl 45 SC 45.2.1.8 P14 L5 # 143 In the editorial instruction before Table 45-9, change the text to: Dawe. Piers Nvidia Insert a new row in Table 45-9 (as modified by IEEE Std 802.3db-2022, IEEE Std 802.3ck-Comment Type E Comment Status A resolved 2022, and IEEE 802.3df-2024) after the row for "100GBASE-LR4, 100GBASE-ER4", as follows (some unchanged rows not shown):" So that the reviewers can confirm that the new material is inserted in the correct place Change other instructions in clause 45 and clause 80 as appropriate. SuggestedRemedy Response Response Status W Please show one row before and one after the new material ACCEPT IN PRINCIPLE. Response Response Status C Implement suggested remedy with editorial license. ACCEPT Cl 45 SC 45.2.1.7.4 P13 L20 # 140 See comment #136. Dawe. Piers Nvidia Cl 45 P13 SC 45.2.1.8.1 L48 # 142 Comment Status A Comment Type Ε resolved Dawe. Piers Nvidia So that the reviewers can confirm that the new material is inserted in the correct place Comment Type E Comment Status A bucket EZ SuggestedRemedy Table 45-12 is part of 45.2.1.8 not 45.2.1.8.1 Please show one row before and one after the new material SugaestedRemedy Response Response Status C Delete "45.2.1.8.1 PMD transmit disable 14 (1.9.15)" ACCEPT. Response Response Status C See comment #136. ACCEPT. C/ 45 SC 45.2.1.7.5 P13 L38 # 141 Dawe. Piers Nvidia Comment Type Ε Comment Status A resolved So that the reviewers can confirm that the new material is inserted in the correct place SugaestedRemedy

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

Please show one row before and one after the new material

Response ACCEPT.

See comment #136.

Response Status C

C/ **45** SC **45.2.1.8.1** 

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C/ 45 SC 45.2.1.8.1 P14 L7 # 226 C/ 45 SC 45.2.1.27b P14 L13 # 227 Wienckowski. Natalie IVN Solutions LLC Wienckowski. Natalie IVN Solutions LLC Comment Type E Comment Status R Comment Status A bucket EZ resolved Comment Type Includes an unchanged row when the editing instructions say it doesn't. The Clause numbers from P802.3-2022 need to be used, not the numbers from P802.3cp-SuggestedRemedy SuggestedRemedy Delete unchanged row Change 45.2.1.27b to 45.2.1.33 and reorder to put the clauses in the correct order. Response Response Status C Response Status C Response REJECT ACCEPT See comment #136. See comment #144. C/ 45 SC 45.2.1.27b P14 L13 # 123 Cl 45 SC 45.2.1.27b P14 L13 # 144 Huber, Thomas Nokia Dawe, Piers Nvidia Comment Type Comment Status A bucket EZ Comment Type E Comment Status A resolved The clause number for BiDi PMA/PMD extended ability 2 (register 1.35) is 45.2.1.33. The Wrong subclause number table number is 45-37 SuggestedRemedy SuggestedRemedy Change the clause number from 45.2.1.27b to 45.2.1.33, change the editing instruction to Change 45.2.1.27b to 45.2.1.33 and move this and its subclauses after 45.2.1.28. say "Insert new rows in Table 45-37 above the row for "1.35.5" as shown (additional Response Response Status C unchanged rows not shown):", and change the table number from 45-31b to 45-37. ACCEPT IN PRINCIPLE. Response Status C See comment #124 ACCEPT IN PRINCIPLE. See comment #144. Cl 45 SC 45.2.1.27b P14 L15 # 228 IVN Solutions LLC Wienckowski. Natalie C/ 45 SC 45.2.1.27b P14 L13 # 97 Comment Type E Comment Status A bucket EZ Slavick, Jeff Broadcom The Table numbers from P802.3-2022 need to be used, not the numbers from P802.3cpbucket EZ Comment Type ER Comment Status A 2021. Std 802.3-2022 BiDi PMA/PMD extended ability 2 is clause 45.2.1.33 and Table 45-37. SuggestedRemedy SuggestedRemedy Change Table 45-31b to Table 45-37, also on line 19 Fix the Clause numbering to align with base standard and update editing instructions Response Response Status C appropriately. ACCEPT. Response Response Status W

ACCEPT IN PRINCIPLE. See comment #144.

C/ 45 SC 45.2.1.27b P14 L39 # 145 C/ 45 SC 45.2.1.27b.7 P14 L43 Dawe. Piers Nvidia Wienckowski. Natalie IVN Solutions LLC Comment Type Comment Status A Comment Status A Ε resolved Comment Type So that the reviewers can confirm that the new material is inserted in the correct place The Clause numbers from P802.3-2022 need to be used, not the numbers from P802.3cp-2021. Also, the higher number bits are defined before the lower number bits so the new bit SuggestedRemedy definitions go before the existing ones. Please show one row after the new material SuggestedRemedy Response Response Status C Change: 45.2.1.27b.7-45.2.1.27b.12 after 45.2.1.27b.6 ACCEPT To: 45.2.1.33.a-45.2.1.33.f before 45.2.1.33.1 See comment #136. Response Response Status C ACCEPT. C/ 45 SC 45.2.1.27b P14 L44 # 98 See comment #144. Slavick, Jeff Broadcom P14 Cl 45 SC 45.2.1.27b.7 L45 Comment Type ER Comment Status A bucket EZ The descriptions of the bits are done from highest number bit to lowest. So the new **IVN Solutions LLC** Wienckowski, Natalie clauses that are adding higher numbered bits should be inserted "before" the existing sub-Comment Type E Comment Status A clases describing bits 5:0. The Clause numbers from P802.3-2022 need to be used, not the numbers from P802.3cp-SuggestedRemedy 2021. Change editing instruction to insert the new clauses "before 45.2.1.33.1" (after correcting to SuggestedRemedy base standard clause numbers) Change 45.2.1.27b.7 to 45.2.1.33.a Response Response Status W Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT. Implement suggested remedy with editorial license. See comment #144. C/ 45 SC 45.2.1.27b.7 L43 # 115 P14 Zimmerman, George ADI,APLgp,Cisco,Marvell,OnSemi,Sony,SenTekse Comment Type E Comment Status A bucket EZ Insert editorial instructions are without underscores (those are for inserts on a "Change" instruction) SuggestedRemedy Remove underscores in 45.2.1.27b.7 through 45.2.1.27b.12 (including on paragraph text).

Response

ACCEPT.

Response Status C

# 229

# 230

bucket EZ

bucket EZ

C/ 45 SC 45.2.1.27b.7 P14 L46 # 124 C/ 45 SC 45.2.1.27b.10 P15 L13 # 265 Huber, Thomas Nokia Wienckowski. Natalie IVN Solutions LLC Comment Status A Comment Type E Comment Status A bucket EZ Comment Type Ε resolved The new clauses related to the new bits in table 45-37 need to be inserted in 45.2.1.33 The Clause numbers from P802.3-2022 need to be used, not the numbers from P802.3cprather than in 45.2.1.27b. Since the current set of subclauses go from bit 5 to bit 0 (i.e., 45.2.1.33.1 concerns bit 5, 45.2.1.33.2 concerns bit 4, etc.), for consistency, the new SuggestedRemedy subclauses be inserted before the existing subclauses rather than after them. Change 45.2.1.27b.10 to 45.2.1.33.d SuggestedRemedy Response Response Status C Change the editing instruction to say "Insert new subclauses 45.2.1.33.a to 45.2.1.33.f ACCEPT before 45.2.1.33.1". Change the subclause headings as follows: 45.2.1.27b.7 --> 45.2.1.33.a 45.2.1.27b.8 --> 45.2.1.33.b Cl 45 SC 45.2.1.27b.11 P15 L19 # 266 45.2.1.27b.9 --> 45.2.1.33.c Wienckowski, Natalie **IVN Solutions LLC** 45.2.1.27b.10 --> 45.2.1.33.d Comment Type E Comment Status A bucket EZ 45.2.1.27b.11 --> 45.2.1.33.e 45.2.1.27b.12 --> 45.2.1.33.f The Clause numbers from P802.3-2022 need to be used, not the numbers from P802.3cp-2021. Response Response Status C ACCEPT. SuggestedRemedy Change 45.2.1.27b.11 to 45.2.1.33.e C/ 45 SC 45.2.1.27b.8 P15 **L1** # 231 Response Response Status C Wienckowski. Natalie IVN Solutions LLC ACCEPT. Comment Status A Comment Type E bucket EZ C/ 45 SC 45.2.1.27b.12 P**15** L25 The Clause numbers from P802.3-2022 need to be used, not the numbers from P802.3cp-# 267 2021. Wienckowski. Natalie **IVN Solutions LLC** SuggestedRemedy Comment Type E Comment Status A bucket EZ Change 45.2.1.27b.8 to 45.2.1.33.b The Clause numbers from P802.3-2022 need to be used, not the numbers from P802.3cp-2021. Response Response Status C SuggestedRemedy ACCEPT. Change 45.2.1.27b.12 to 45.2.1.33.f SC 45.2.1.27b.9 P15 L8 # 232 Cl 45 Response Response Status C Wienckowski, Natalie **IVN Solutions LLC** ACCEPT. Comment Type E Comment Status A bucket EZ

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

The Clause numbers from P802.3-2022 need to be used, not the numbers from P802.3cp-

Response Status C

2021. SuggestedRemedy

Response

ACCEPT

Change 45.2.1.27b.9 to 45.2.1.33.c

C/ **45** SC **45.2.1.27b.12**  Page 10 of 39 2025/4/28 22:41:12 C/ 45 SC 45.2.1.28 P15 L31 # 146 C/ 45 SC 45.2.1.28 P15 L44 # 57 Dawe. Piers Nvidia Regev, Alon Keysight Comment Type Comment Type Т Comment Status A resolved Т Comment Status A resolved Why put the 100GBASE-BR PMA/PMD types in 1.29 with PQX rather than in 1.7 with Instead of just deleting "1 0 1 x x x = Reserved", replace it with "1 0 1 1 1 x = Reserved" 50GBASE-BR and 100GBASE? SuggestedRemedy SuggestedRemedy Instead of deleting "1 0 1 x x x = Reserved", replace it with "1 0 1 1 1 x = Reserved" Change from 45.2.1.28 10P/2B PMA/PMD control register (Register 1.30) (which is wrong Response Response Status C anyway, the table is for 1.29) Table 45-30, PMA/PMD control 3 register bit definitions, to 45.2.1.6 PMA/PMD control 2 register (Register 1.7) Table 45-7, PMA/PMD control 2 ACCEPT IN PRINCIPLE register bit definitions, values 1 1 1 1 x x x. See comment #147. Notice that 3dj is bringing bit 7 into use so there is adequate space here. Cl 45 SC 45.2.1.28 P15 L44 # 99 Response Response Status C Slavick, Jeff Broadcom ACCEPT IN PRINCIPLE. Implement suggested remedy with editorial license to check with related projects (802.3 db, Comment Type TR Comment Status A resolved df). In Table 45-30 the entries for 101110 and 101111 are no longer specified. Table 45-7: SuggestedRemedy 6543210 1 1 1 1 1 1 1 = 100GBASE-BR40-U PMA/PMD Add in a 10111x = Reserved to Table 45-30 1 1 1 1 1 1 0 = 100GBASE-BR40-D PMA/PMD Response Response Status W 1 1 1 1 1 0 1 = 100GBASE-BR20-U PMA/PMD 1 1 1 1 1 0 0 = 100GBASE-BR20-D PMA/PMD ACCEPT IN PRINCIPLE. 1 1 1 1 0 1 1 = 100GBASE-BR10-U PMA/PMD See comment #147. 1 1 1 1 0 1 0 = 100GBASE-BR10-D PMA/PMD 1 1 1 1 0 0 1 = reserved Cl 45 P**15** SC 45.2.1.28 L44 # 125 Huber, Thomas Nokia C/ 45 SC 45.2.1.28 P15 L37 # 147 Comment Type Comment Status A resolved Dawe. Piers Nvidia The values 10111x need to be indicated as reserved Comment Type E Comment Status A resolved SugaestedRemedy 45.2.1.28 10P/2B PMA/PMD control register (Register 1.30) Insert a line "1 0 1 1 1 x = Reserved" above the line for BR40-U. SuggestedRemedy Response Response Status C Should have been 45.2.1.27 PMA/PMD control 3 register (Register 1.29) - but see another comment ACCEPT IN PRINCIPLE. See comment #147. Response Response Status C ACCEPT IN PRINCIPLE

See comment #146.

C/ <b>45</b>	SC 45.2.1.28	P <b>15</b>	L <b>44</b>	# 80	Cl 45	SC 45.2.1.28	P <b>15</b>	<b>∠51</b>	# 150
Simms, W	illiam	NVIDIA			Dawe, Pie		Nvidia		
Comment In Tab	,,	Comment Status A 01110 and 101111 are under	efined	resolved	Comment There	Type <b>E</b> is no following ro	Comment Status A		resolved
Suggested Make	-	ng vlalues reserved			Suggested Remo	dRemedy ve the row with th	nree dots		
	PT IN PRINCIPLE omment #147.	Response Status C			Response ACCE	PT.	Response Status C		
C/ <b>45</b>	SC 45.2.1.28	P <b>15</b>	L <b>44</b>	# 148	Cl 80	SC 80.1	P <b>16</b>	L <b>2</b>	# 151
Dawe, Pie		Nvidia			Dawe, Pie		Nvidia		
Comment		Comment Status A		resolved	Comment 80.1 (a	,,	Comment Status A  k) needs additions		resolve
Suggested					Suggested	dRemedy			
00	•	ved - but see another comm	ent		Per co	mment			
	PT IN PRINCIPLE omment #147.	Response Status C			Add do i) The	PT IN PRINCIPL escription in Clau MDIs as specifie	se 80.1 as: d in:		
C/ <b>45</b>	SC 45.2.1.28	P <b>15</b>	<i>L</i> 51	# 149		use 89 for 40GB, use 140 for 1000	ASE-FR BBASE-DR, 100GBASE-FR	1. and 100GBASE	E-LR1
Dawe, Pie	rs	Nvidia			— Cla	use 154 for 1000	BBASE-ZR	,	
Comment So tha		Comment Status A un confirm that the new mate	rial is inserted in	resolved the correct place		use 168 for 1000 single lane data l			
Suggested				·	50G B	iDi is missing fro	m Clause 131.1, maintenar	nce request.	
00	•	w after the new material			Impler	nent response wi	th editorial license.		
Response		Response Status C			C/ 80	SC 80.1.3	P <b>16</b>	L <b>2</b>	# 152
ACCE					Dawe, Pie		Nvidia		
See co	omment #136.				Comment		Comment Status A		resolve
							3ck) needs additions		
					Suggested	lRemedy			
					Per co	omment			
					Response		Response Status C		
					ACCE	PT IN PRINCIPL	E		

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

C/ 80 SC 80.1.3 Page 12 of 39 2025/4/28 22:41:12

C/ 80 SC 80.2.3 P16 L2 # 153 C/ 80 SC 80.2.5 P16 L2 # 155 Dawe. Piers Nvidia Dawe. Piers Nvidia Comment Status A Comment Status A Comment Type Ε resolved Comment Type resolved Table 80-1, 40 Gb/s and 100 Gb/s PHYs Table 80-8. Summary of Skew constraints Table 80-5. Nomenclature and clause correlation (100GBASE-P optical) Table 80-9. Summary of Skew Variation constraints need additions need additions SuggestedRemedy SuggestedRemedy Per comment Per comment Response Response Status C Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. Copy related contents in Clause 157 to Clause 80 (Table 80-1 and Table 80-5). Add Clause 168.3.2 to Table 80-8 (as modified by 802.3ck and 802.3db). Implement response with editorial license. Add Clause 168.3.2 to Table 80-9 (as modified by 802.3ck and 802.3db). CI 80 SC 80.2.5 P16 L2 # 154 C/ 80 SC 80.4 P16 L6 # 156 Dawe, Piers Nvidia Dawe, Piers Nvidia Comment Type Е Comment Status A resolved Comment Type Ε Comment Status A bucket EZ 80.2.3 (as modified by 3ck) and 80.2.5 need additions This table is ordered by MAC rate - reach - length, so these rows don't go at the end SuggestedRemedy SuggestedRemedy Per comment Change "Insert three new rows at the end of Table 80-7" to "Insert three new rows in Table 80-7 (as modified by IEEE Std 802.3db-2022) between 100GBASE-LR1 PMD and Response Response Status C 100GBASE-ER4 PMD" ACCEPT IN PRINCIPLE. Response Response Status C Add 100GBASE-BRx descriptions in Clause 80.2.3 and 80.2.5 as: Change the first paragraph in 80.2.3 (as modified by IEEE Std 802.3ck-2022) as follows: ACCEPT IN PRINCIPLE Implemented suggested remedy with editorial license. A forward error correction sublayer is optional for 40GBASE-KR4, 40GBASE-CR4, and 100GBASE-CR10 PHYs and mandatory for 100GBASE-CR1, 100GBASE-CR2. C/ 80 SC 80.4 P16 L12 # 157 100GBASE-CR4, 100GBASE-KR1, 100GBASE-KR2, 100GBASE-KR4, 100GBASE-KP4, 100GBASE-VR1. 100GBASE-SR1. 100GBASE-SR2. 100GBASE-SR4. 100GBASE-DR. Dawe. Piers Nvidia 100GBASE-FR1, 100GBASE-LR1, 100GBASE-ZR PHYs, and 100GBASE-BRx. The FEC Comment Status A Comment Type resolved sublayer can be placed in between the PCS and PMA sublayers or between two PMA sublavers. So that the reviewers can confirm that the new material is inserted in the correct place SuggestedRemedy Change the second paragraph of 80.2.5 (as modified by IEEE Std 802.3ck-2022) as follows: The 40GBASE-R. 100GBASE-R. 100GBASE-P. and 100GBASE-Z PMDs and their Please show one row before and one after the new material corresponding media are specified in Clause 84 through Clause 89. Clause 92 through Response Response Status C Clause 95, Clause 136 through Clause 138 IClause 140, and Clause 154, Clause 162, ACCEPT. Clause 163, and Clause 168. See comment #136

C/ 80 SC 80.4 P16 L13 # 101 Slavick, Jeff Broadcom Comment Type Comment Status A bucket EZ TR The other optical PHYs in this table note that the delay time includes 2m of fiber. SuggestedRemedy Add "Includes 2m of fiber." before the See 168.3.1 Response Response Status W ACCEPT SC 80.4 P16 L13 C/ 80 # 158 Nvidia Dawe, Piers Comment Type Ε Comment Status A bucket EZ To match the existing entries SuggestedRemedy Insert "Includes 2 m of fiber." 3 times Response Response Status C ACCEPT IN PRINCIPLE. See comment #101. SC 80.4 C/ 80 P16 L17 # 159 Dawe. Piers Nvidia Comment Type E Comment Status A resolved This is a long table and this amendment makes it longer, so it should make the consequential change. SuggestedRemedy

Split the table into two, one for 40G and one for 100G.

Implement suggested remedy with editorial license.

Response Status C

Response

ACCEPT IN PRINCIPLE.

 CI 80
 SC 80.7
 P16
 L20
 # 160

 Dawe, Piers
 Nvidia

 Comment Type
 E
 Comment Status A
 resolved

SuggestedRemedy

Change the first paragraph of 80.7 as follows: 80.7 Protocol implementation conformance statement (PICS) proforma Change the first paragraph of 80.7 (as modified by IEEE Std 802.3ck-2022) as follows: The supplier of a protocol implementation that is claimed to conform to any part of IEEE Std 802.3, Clause 45, Clause 73, Clause 74, Clause 81 through Clause 89, Clause 91 through Clause 95, Clause 135 through Clause 138, Clause 140, Clause 152 through Clause 154, \_Clause 157,\_ Clause 161 through Clause 163, and related annexes \_,\_ demonstrates compliance by completing a protocol implementation conformance statement (PICS) proforma.

Response Status C
ACCEPT IN PRINCIPLE.

Needs to mention the new PMD clause. Insert:

Implement suggested remedy with editorial license.

 Cl 91
 SC 91.5.2.7
 P16
 L22
 # 161

 Dawe, Piers
 Nvidia

 Comment Type
 E
 Comment Status
 A
 resolved

Missing material

SuggestedRemedy

Bring in 91.5.2.7, 91.5.3.3, 91.5.3.3.1, 91.6.3, 91.7.3, 91.7.4.1, 91.7.4.2 (as modified by 3ck) and make appropriate changes

Response Status C

ACCEPT IN PRINCIPLE.

See comment #68 and #69.

Change 91.6.3 (as modified by IEEE Std 802.3ck-2022) as follows: When this variable is set to one, the alignment marker mapping function substitutes the fixed bytes of the alignment markers corresponding to PCS lanes 17, 18, and 19 with the fixed bytes for the alignment marker corresponding to PCS lane 16 (see 91.5.2.6). When this variable is set to zero, the alignment markers corresponding to PCS lanes 17, 18, and 19 are passed through unmodified. The default value of the variable is one which is the value required by the 100GBASE-CR4, 100GBASE-KR4, 100GBASE-KP4, and 100GBASE-SR4 PMDs. This variable is set to zero for the 100GBASE-CR2, 100GBASE-KR2, 100GBASE-VR1, 100GBASE-SR2, 100GBASE-SR1, 100GBASE-DR, 100GBASE-FR1, and 100GBASE-R1, 100GBASE-R1, 100GBASE-BR20, and 100GBASE-BR40 PMDs PMDs. This variable is mapped to the bit defined in 45.2.1.116 (1.200.3).

In 91.7.3:

Add 100GBASE-BR10, 100GBASE-BR20, and 100GBASE-BR40 after 100GBASE-KR1 for item KP4 and FDDP in the table (as modified by IEEE Std 802.3ck-2022).

In 91.7.4.1:

Add 100GBASE-BR10, 100GBASE-BR20, and 100GBASE-BR40 after 100GBASE-KR1 for item TF11 in the table (as modified by IEEE Std 802.3ck-2022).

In 91.7.4.2:

Add 100GBASE-BR10, 100GBASE-BR20, and 100GBASE-BR40 after 100GBASE-KR1 for item RF4, RF6, and FR12 in the table (as modified by IEEE Std 802.3ck-2022).

Implement response with editorial license.

Cl 135 SC 135.5.7 P16 L30 # 162

Dawe, Piers Nvidia

Comment Type T Comment Status R resolved

Should precoding be allowed as an option?

SuggestedRemedy

Consider including precoding (135.5.7) as an option. This could be controlled by the network operator according to experience.

Response Status C

REJECT.

No consensus to make this change.

Call for more contributions on this topic in the next meeting.

C/ 157 SC 1.3 P18 L1 # 220

Effenberger, Frank Futurewei Technologies

Comment Type E Comment Status A

bucket

Figure 157-1(a) is unfortunate in how it breaks over the pages, and then Table 157-2 gets broken up in a weird way.

SuggestedRemedy

Try to squeeze all four speeds onto a single figure.

Response Status C

ACCEPT IN PRINCIPLE. See comment #127.

C/ 157 SC 157 P17 L1 # 126

Huber, Thomas Nokia

Comment Type E Comment Status A bucket\_EZ

This clause is missing editing instructions

SuggestedRemedy

Add an editing instruction at the top of the page:

"Change clauses 157 and 157.1 as shown:"

Add an editing instruction below clause 157.2: "Change clause 157.2.1 as shown"

Delete tables 157-3 through 157-5, as they are not being modified.

Add an editing instruction: "Insert Table 157-6 below Table 157-5."

Add an editing instruction: "Change clauses 157.2.2 through 157.2.5 as shown:"

Delete clauses 157.2.6 and 157.2.7 since they are not being modified.

Add an editing instruction: "Change clauses 157.3, 157.4, and 157.6 as shown:"

Response Status C

ACCEPT IN PRINCIPLE.

See comment #102.

C/ 157 SC 157 P17 **L1** # 116 C/ 157 SC 157.1 P17 **L1** # 102 Zimmerman, George ADI,APLgp,Cisco,Marvell,OnSemi,Sony,SenTekse Slavick, Jeff Broadcom Comment Type E Comment Status A Comment Type Comment Status A bucket FZ resolved TR There is no editing instruction for this clause. As the entire clause seems to be included There is no editing instruction for Clause 157 which is an existing base standard clause. here, marked with 'change' editing marks (which is more than you need), it seems "Change SuggestedRemedy title and text of Clause 157 as shown:" may be used - even though it is REALLY unusual. Reduce the amount of text. Figures and Tables to only be changes being made to Clause SugaestedRemedy 157 and not the entire Clause. Inserting appropriate editing instructions for section that is Insert editing instruction prior to header, "Change title and text of Clause 157 as shown:" being changed. Response Status C Response Response Status W Response ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. See comment #102. Implement suggested remedy with editorial license. # 30 C/ 157 SC 157 P17 **L1** C/ 157 SC 157.1.1 P17 **L3** # 233 Cisco Systems, Inc. Wienckowski, Natalie **IVN Solutions LLC** Ran, Adee Comment Type Comment Status A bucket EZ Comment Type E Comment Status A bucket EZ ER Missing editorial instruction for clause 157. Missing editorial instruction. It seems that this amendment includes the whole clause with changes. But instructions SuggestedRemedy should be given for specific changes, per the IEEE SA style manual. Add editorial instruction: Change the first and second paragraphs of 157.1.1 as follows: Delete third paragraph as it has no changes. Especially, changes to tables and the addition of a new figure 157-1a should be separate instructions. Tables that are not changed at all (such as table 157-3 through table 157-5) Response Status C should not appear in the draft. ACCEPT IN PRINCIPLE. See comment #102. Previous amendments can be used as references. SuggestedRemedy C/ 157 SC 157.1.2 P17 L23 # 234 Add editorial instructions to each subclause that is changed, as done in previous **IVN Solutions LLC** Wienckowski. Natalie amendments Comment Type E Comment Status A bucket EZ Response Response Status W Missing editorial instruction. ACCEPT IN PRINCIPLE. SuggestedRemedy See comment #102. Add editorial instruction: Change 157.1.2 as follows: Response Response Status C

ACCEPT IN PRINCIPLE.
See comment #102

C/ 157 SC 157.1.2 P17 L28 # 235 C/ 157 SC 157.1.2 P17 L30 # 64 Wienckowski. Natalie IVN Solutions LLC Regev, Alon Keysight Comment Status A Comment Type Comment Type ER resolved Ε Comment Status A bucket EZ References to external points not properly indicated. Per the instructions in the FM draft "80.1.3" shoul be "and 80.1.3" template: Any cross references that refer to clauses, tables, equations, or figures not SuggestedRemedy covered by this amendment are highlighted in green. This is done by applying a character change "80.1.3" to "and 80.1.3" tag of "External". SuggestedRemedy Response Response Status C Correct all external references per instructions throughout the document. ACCEPT Response Response Status C C/ 157 SC 157.1.2 P17 L30 ACCEPT. Mi, Guangcan Huawei Technologies Co., Ltd C/ 157 SC 157.1.2 P17 L30 # 81 Comment Type ER Comment Status A bucket EZ in "131.1.2 (for 50 Gb/s), 80.1.3 (for Simms. William **NVIDIA** 100 Gb/s)", missing and Comment Type Ε Comment Status A bucket EZ SuggestedRemedy missing 'and' before 80.1.3 change to "131.1.2 (for 50 Gb/s), and 80.1.3 (for SuggestedRemedy 100 Gb/s)" add the 'and' to be consistent with the one removed in front of 50 Gb/s Response Response Status W Response Response Status C ACCEPT. ACCEPT. C/ 157 SC 157.1.3 P17 L51 # 236 P17 # 31 C/ 157 SC 157.1.2 L30 Wienckowski. Natalie **IVN Solutions LLC** Ran. Adee Cisco Systems. Inc. Comment Type E Comment Status A resolved Comment Type E Comment Status A bucket\_EZ Missing editorial instruction. Missing "and" before 80.1.3 The entire subclause shouldn't be included, only the changes should be included. SuggestedRemedy SugaestedRemedy Add editorial instruction: Change row "r" of Table 157-1 as follows (unchanged rows not Insert "and" Response Response Status C Delete text before the table and unchanged table rows. ACCEPT. Response Response Status C ACCEPT IN PRINCIPLE. Implement suggested remedy with editorial license.

C/ 157 SC 157.1.3 P18 **L1** # 237 C/ 157 SC 157.1.3 P18 Wienckowski. Natalie IVN Solutions LLC Wienckowski. Natalie IVN Solutions LLC Comment Type E Comment Status A Comment Status A bucket Comment Type Missing editorial instruction. The unchanged figure should not be included. should be shown. SuggestedRemedy SuggestedRemedy Add editorial instruction: Change title of Figure 157-1 as follows: Delete the figure. rows not shown): Delete the first 18 rows of the table which are not changed. Response Response Status C Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. See comment #127. Implement suggested remedy with editorial license. Cl 157 SC 157.1.3 P18 **L1** # 127 C/ 157 SC 157.1.3 P18 Huber, Thomas Nokia **IVN Solutions LLC** Wienckowski, Natalie Comment Type Comment Status A resolved Comment Type E Comment Status A The architecture is essentially the same for all rates. Rather than introducing figure 157-1a to introduce the 100G rate, it would be better to use a single figure that is more generic and Missing editorial instruction. covers the architecture of all rates.

#### SuggestedRemedy

Take figure 157-1a as a starting point. Change "CGMII" to "XGMII, 25GMII, 50GMII, or CGMII". Change the PCS to "10GBASE-R, 25GBASE-R, 50GBASE-R, or 100GBASE-R PCS" (or maybe just "rGBASE-R PCS", referencing the nomenclature introducted in Table 157-1). Add note 1 to the FEC sublaver, saving "conditional for 10GBASE-BRx based on PHY type". At the bottom, list all the various PMDs, or use a generic "rGBASE-BRx" label. Replace the existing figure 157-1 with the figure described in this comment. Undo the modifications to the title of Figure 157-1. Delete new figure 157-1a.and the reference to it in 157.1.2 (which is not shown as a change in the draft).

#### Response Response Status C

#### ACCEPT IN PRINCIPLE.

Implement with 10G with a note on the FEC, merge 25G, 50G and 100G together. Implement suggested remedy with editorial license.

L35 # 238

resolved

The table should not be broken up with a Figure in the middle of it. Only the new rows

Add editorial instruction: Insert new rows at the end of Table 157-2 as follows (unchanged

L35 # 239

bucket EZ

#### SugaestedRemedy

Add editorial instruction: Change the second paragraph of 157.1.3 as follows:

Response Response Status C

ACCEPT IN PRINCIPLE.

Implement suggested remedy with editorial license.

C/ 157 SC 157.1.3 L42 P18

Schreiner, Stephan Rosenberger Hochfrequenztechnik GmbH & Co. KG Comment Status A bucket

Comment Type E

Table 157-2 - Multi-Gigabit Ethernet BiDi PHYs is interrupted by Figure 157-1a -Architectural positioning of 100 Gb/s Ethernet BiDi PHYs.

#### SuggestedRemedy

Reorder from: "Figure 157-1 ... Table 157-2 ... Figure 157-1a ... Table 157-2 (continued)" to "Figure 157-1 ... Figure 157-1a ... Table 157-2"

Response Response Status C

ACCEPT IN PRINCIPLE. See comment #127.

C/ 157 SC 157.1.3 P19 **L1** # 240 C/ 157 SC 157.2 P21 L15 Wienckowski. Natalie IVN Solutions LLC D'Ambrosia, John Futurewei, U.S. Subsidiary of Huawei Comment Type E Comment Status A Comment Status A bucket\_EZ bucket Comment Type ER Missing editorial instruction. As currently written, Note A only applies to the one cell where it is denoted, when in actuality it applies to all of the various cells in the clause columns SuggestedRemedy Also applies to Table 157-4, 157-5, and 157-6 Add editorial instruction: Insert Figure 157-1a after Figure 157-1 as follows: SuggestedRemedy Response Response Status C Move the current location of Note A in table to next to "Clause." ACCEPT IN PRINCIPLE Response Response Status W See comment #127. ACCEPT. SC 157.1.4 P20 C/ 157 L37 # 241 SC 157.2 C/ 157 P**22** L36 **IVN Solutions LLC** Wienckowski. Natalie Futurewei, U.S. Subsidiary of Huawei D'Ambrosia, John Comment Type E Comment Status A bucket EZ Comment Type E Comment Status A resolved Missing editorial instruction. In Table 157-6. Clause 91 title is noted as "100GBASE-R FEC", but the title of Clause 91 SuggestedRemedy refers to "RS-FEC." Reference Table 80-3a from IEEE Std 802.3ck-2022 Add editorial instruction: Change 157.1.4 as follows: SugaestedRemedy Response Response Status C Change "100GBASE-R FEC" to "100GBASE-R RS-FEC" ACCEPT IN PRINCIPLE. Response Response Status C Implement suggested remedy with editorial license. ACCEPT. C/ 157 SC 157.1.4 P22 L31 # 163 C/ 157 SC 157.2.1 P20 L45 # 242 Dawe. Piers Nvidia **IVN Solutions LLC** Wienckowski, Natalie Comment Type Ε Comment Status A resolved Comment Type E Add 100GAUI-1 C2C and C2M Comment Status A bucket EZ Missing editorial instruction. SugaestedRemedy SuggestedRemedy Add 120F, 120G after 135G (2-lane PMA) and before 168 (PMD). Optional. Add editorial instruction: Change title 157.2.1 as follows: Response Status C Response Response Response Status C ACCEPT IN PRINCIPLE. See comment #21. ACCEPT IN PRINCIPLE. Implement suggested remedy with editorial license.

C/ 157 SC 157.2.1 P20 L48 # 243 C/ 157 SC 157.2.1 P**22** L26 # 245 Wienckowski. Natalie IVN Solutions LLC Wienckowski. Natalie IVN Solutions LLC Comment Type E Comment Status A Comment Type E bucket EZ bucket EZ Comment Status A Missing editorial instruction. Missing editorial instruction. SuggestedRemedy SuggestedRemedy Add editorial instruction: Change the last sentence of the first paragraph of 157.2.1 as Add editorial instruction: Insert Table 157-6 after Table 157-5 as follows: Response Response Status C Move all text to before the tables. Delete the unchanged sentences as they have no ACCEPT IN PRINCIPLE changes. Implement suggested remedy with editorial license. Response Response Status C ACCEPT IN PRINCIPLE. C/ 157 SC 157.2.1 P**22** L27 # 87 Implement suggested remedy with editorial license. Mi, Guangcan Huawei Technologies Co., Ltd C/ 157 SC 157.2.1 P21 **L1** # 244 Comment Type TR Comment Status A resolved Table 157-6. The 100G bidi PMDs should also support 100G AUI-1 C2M Wienckowski Natalie IVN Solutions LLC Comment Type E Comment Status A SuggestedRemedy bucket EZ Delete unchanged content. add two columns for 100G AUI-1 C2C(CL120F) and 100G AUI-1 C2M(120G) respectively . SuggestedRemedy Response Response Status C Delete Table 157-3, Table 157-4, Table 157-5. ACCEPT IN PRINCIPLE. See comment #21. Response Response Status C Cl 157 P**22** ACCEPT. SC 157.2.1 L30 Lusted. Kent Synopsys C/ 157 SC 157.2.1 P21 L15 # 5 Comment Type Т Comment Status A resolved Rosenberger Hochfrequenztechnik GmbH & Co. KG Schreiner, Stephan The 100GAUI-1 C2C and 100GAUI-1 C2M annexes should be referenced in Table 157-6. Comment Type E Comment Status A bucket\_EZ SuggestedRemedy Table 157-3 has ist footnote index on the Mandatory "M" in line 2, column 3, All other tables Add references to 100GAUI-1 C2C (Annex 120F) and 100GAUI-1 C2M (Annex 120G). have this footnote index on line 2 column 2. Type = optional SuggestedRemedy Response Response Status C Change the footnote index position to the Line: "10GBASE-BR10-D", column "EEE" ACCEPT IN PRINCIPLE. Response Response Status C Implement suggested remedy with editorial license. ACCEPT IN PRINCIPLE See comment #1.

C/ 157 SC 157.2.1 P**22** L31 # 32 C/ 157 SC 157.2.2 P23 L5 # 246 Ran, Adee Cisco Systems, Inc. Wienckowski. Natalie IVN Solutions LLC Comment Status A Comment Type E Comment Status A bucket EZ Comment Type TR resolved I believe the AUIs defined in 802.3ck (100GAUI-1 C2C and C2M) are very relevant for the Missing editorial instruction. 100GBASE-BRx PHYs. They should be included in Table 157-6. SuggestedRemedy SuggestedRemedy Add editorial instruction: Change 157.2.2 as follows: Add columns for Annexes 120F and 120G, optional for all PHYs. Response Response Status C Response Response Status C ACCEPT IN PRINCIPLE ACCEPT IN PRINCIPLE. Implement suggested remedy with editorial license. See comment #21. C/ 157 SC 157.2.3 P23 L12 # 247 Cl 157 SC 157.2.1 P22 L32 # 59 Wienckowski, Natalie **IVN Solutions LLC** Regev, Alon Keysight Comment Type E Comment Status A bucket EZ bucket\_EZ Comment Type Ε Comment Status A Missing editorial instruction. The clause numbers in the column headers should be links to the clauses SuggestedRemedy SuggestedRemedy Add editorial instruction: Change 157.2.3 as follows: change the column labels "81", "82", "91", "83", "83A", 83B", "83D", "83E", "135", "135D", Response Response Status C "135E", "135F", and "135G" into links ACCEPT IN PRINCIPLE. Response Response Status C Implement suggested remedy with editorial license. ACCEPT. This will be done by 802.3 editor. C/ 157 L19 SC 157.2.4 P23 # 248 Wienckowski. Natalie IVN Solutions LLC P22 L41 C/ 157 SC 157.2.1 # 66 Comment Type E Comment Status A bucket EZ Maki. Jefferv Juniper Networks Missing editorial instruction. Comment Type T Comment Status A resolved SuggestedRemedy 100GAUI-1 C2C & 100GAUI-1 C2M are missing. Add editorial instruction: Change the second and third paragraphs of 157.2.4 as follows: SuggestedRemedy Delete the first paragraph as it doesn't have any changes. Add 100GAUI-1 C2C & 100GAUI-1 C2M Response Response Status C Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. Implement suggested remedy with editorial license. See comment #21.

Cl 157 SC 157.2.4	P <b>23</b>	L <b>20</b>	# 164	Cl 157 SC 157.2.7	P <b>23</b>	L43	# 251
Dawe, Piers	Nvidia			Wienckowski, Natalie	VN Solutions LL	_C	
Comment Type <b>E</b> medium independent	Comment Status A		bucket_EZ	Comment Type E Comment St Unchanged subclause	tatus A		bucket_EZ
SuggestedRemedy medium-independent				SuggestedRemedy Delete 157.2.7			
Response ACCEPT.	Response Status C			Response Response Sta ACCEPT IN PRINCIPLE. See comment #102.	atus C		
C/ 157 SC 157.2.5	P <b>23</b>	L <b>34</b>	# 249	C/ 157 SC 157.3	P <b>23</b>	L51	# 252
Wienckowski, Natalie	IVN Solutions	LLC			VN Solutions LL		# 252
Comment Type E  Missing editorial instru	Comment Status A uction.		bucket	Wienckowski, Natalie I  Comment Type E Comment St  Missing editorial instruction.		_C	bucket_EZ
SuggestedRemedy				SuggestedRemedy			
Add editorial instruction	on: Change 157.2.5 as follows	• •		Add editorial instruction: Insert paragra	anh at the end of	f 157 3 as follo	ws.
Response	Response Status C			Delete unchanged paragraphs.	ipir at the one of	1 107.0 40 10110	
ACCEPT IN PRINCIP Implement suggested	LE. remedy with editorial license.			Response Response Sta ACCEPT IN PRINCIPLE.	atus <b>C</b>		
C/ 157 SC 157.2.6	P <b>23</b>	L <b>39</b>	# 250	Implement suggested remedy with edite	orial license.		
Wienckowski, Natalie	IVN Solutions	LLC		C/ 157 SC 157.3	P <b>24</b>	L <b>7</b>	# 106
Comment Type <b>E</b>	Comment Status A		bucket_EZ	Zimmerman, George	ADI,APLgp,Cisc	o,Marvell,OnSe	emi,Sony,SenTekse
Unchanged subclause	9			Comment Type E Comment St	tatus A		bucket_EZ
SuggestedRemedy Delete 157.2.6				80.3 should be an External cross refere to be made? - the existing 80.3 does N)			
Response	Response Status C			SuggestedRemedy			
ACCEPT IN PRINCIP See comment #102.	LE.			Mark 80.3 as External (green) or bring application to 100GBASE-BRx PHYs.	it into the draft w	vith appropriate	changes to refernece
				Response Sta	atus <b>C</b>		
				ACCEPT. See comment #60.			

C/ 157 SC 157.3	P <b>24</b>	L <b>7</b>	# 33	Cl 157 SC 157.4	P <b>24</b>	<b>L10</b>	# 253
Ran, Adee	Cisco Systen	ns, Inc.		Wienckowski, Natalie	IVN Solutions	LLC	
Comment Type <b>E</b> Missing period at th	Comment Status <b>A</b> e end of the last paragraph.		Bucket_EZ	Comment Type <b>E</b> Missing editorial instru	Comment Status A uction.		bucket_EZ
SuggestedRemedy Add a period. Response ACCEPT.	Response Status <b>C</b>			SuggestedRemedy  Add editorial instructic Delete unchanged par  Response  ACCEPT IN PRINCIP	Response Status C	d of 157.4 as foll	ows:
C/ 157 SC 157.3	P <b>24</b>	L <b>7</b>	# 60		remedy with editorial license.		
Regev, Alon	Keysight			C/ 157 SC 157.4	P <b>24</b>	L <b>22</b>	# 165
Comment Type <b>E</b> "80.3" should be a l	Comment Status A		resolved	Dawe, Piers	Nvidia		
SuggestedRemedy change "80.3" to a l Response ACCEPT. This will be done by	Response Status C			restatement for clarity.  SuggestedRemedy	ive delay specs are in 168.3, a  1 168.3 (and see 80.4)"  Response Status C	and what is in 80	4 is sort of a
C/ 157 SC 157.3	P <b>24</b>	L <b>23</b>	# 61	ACCEPT IN PRINCIP Clause 80.4 and 168.3	LE. 3 specifications are the same.		
Regev, Alon  Comment Type E	Keysight  Comment Status A		bucket EZ	C/ <b>157</b> SC <b>157.4</b>	P <b>24</b>	L <b>23</b>	# 121
"80.4" should be a l		it Status A Duchet_LZ		Zimmerman, George	ADI,APLgp,C	isco,Marvell,OnS	Semi,Sony,SenTekse
SuggestedRemedy change "80.4" to a l	ink to "80.4"			Comment Type <b>E</b> 80.4 should be an acti	Comment Status A ive cross reference.		resolved
Response ACCEPT.	Response Status C			SuggestedRemedy Replace 80.4 with an a	active cross reference		
See comment #121				Response ACCEPT. This will be done by 8	Response Status C 02.3 editor.		

C/ 157 SC 157.4 P24 L24 # 166 C/ 157 SC 157.6 P24 L47 # 255 Dawe. Piers Nvidia Wienckowski. Natalie IVN Solutions LLC Comment Type Comment Status A Comment Type E bucket EZ Ε resolved Comment Status A Skew and Skew Variation is missing Missing editorial instruction. SuggestedRemedy SuggestedRemedy Add text to refer to 168.3.2. and refer to 80.5 Add editorial instruction: Change the first paragraph of 157.6 as follows: Delete the second paragraph as it doesn't have any changes. Response Response Status C Response Response Status C ACCEPT IN PRINCIPLE ACCEPT IN PRINCIPLE. Copy Clause 167.3.2 into Clause 157. Implement suggested remedy with editorial license. Implement response with editorial license. C/ 157 SC 157.6 P24 L49 # 256 C/ 157 SC 157.5 P24 L39 # 254 Wienckowski, Natalie **IVN Solutions LLC** Wienckowski Natalie IVN Solutions LLC Comment Type Comment Status A bucket EZ Comment Type E Comment Status A resolved broken link Unchanged subclause SuggestedRemedy SuggestedRemedy fix the Clause 45 link as it is in the document. Correct links not in the document as already **Delete 157.5** requested. Response Response Status C Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT. See comment #102. C/ 157 SC 157.6 P24 L50 C/ 157 SC 157.6 P24 L46 # 34 # 128 Ran, Adee Cisco Systems, Inc. Huber. Thomas Nokia Comment Type Comment Status R Comment Status A Comment Type E resolved bucket This clause does not include a PICS - it only refers to other clauses that do. The change to replace clause 160 with 168 is not correct; clauses 161 to 167 are unrelated This is very unusual. Subclause 157.6 should be removed (perhaps in maintenance. to bidirectional PHYs. because it would not be in scope), but even if it is not, there is no need to change it in this SuggestedRemedy amendment - it is not helpful for readers and only adds editional burden. Undo the replacement of 160 with 168, and add Clause 168 to the list, so it reads "... Note that clauses 161 through 167, added by the change in this draft, are not related to this Clause 114, Clause 158 through Clause 160, Clause 168, and related annexes..." clause at all. Response Response Status C SuggestedRemedy ACCEPT IN PRINCIPLE Remove 157.6 from the draft. See comment #167. Response Response Status Z REJECT

This comment was WITHDRAWN by the commenter.

C/ 157 SC 157.6 P24 L50 # 167 C/ 168 SC 168 P26 **L**0 # 257 Dawe, Piers Nvidia Wienckowski. Natalie IVN Solutions LLC Comment Status A Comment Type E Comment Status A bucket EZ Comment Type Ε bucket Clause 114, Clause 158 through Clause 160Clause 168, and related annexes demonstrates Missing editorial instruction. SuggestedRemedy SuggestedRemedy Clause 114. Clause 158 Xthrough Clause 160X . Clause 159. Clause 160. or Clause 168. Add editorial instruction: Insert Clause 168. and related annexes demonstrates Response Response Status C [inserting a comma] ACCEPT IN PRINCIPLE Response Response Status C Implement suggested remedy with editorial license. ACCEPT IN PRINCIPLE. SC 168 Change the description as: C/ 168 P26 **L1** Clause 45. Clause 49. Clause 73. Clause 74. Clause 106 through Clause 112. Clause 114. Cisco Systems, Inc. Ran. Adee Clause 158 through Clause 160, Clause 168, and related annexes. Comment Type ER Comment Status A bucket EZ C/ 157 SC 157.6 P24 L51 # 103 Missing editorial instruction for clause 168. Slavick, Jeff Broadcom SuggestedRemedy Comment Type TR Comment Status A bucket Add an editorial instruction: "Insert new clause 168". Clauses 161-167 are related to things other than the BiDi PMDs Response Response Status W SuggestedRemedy ACCEPT IN PRINCIPLE. Remove the strikethough of Clause 160 and insert a, between Clause 160 and Clause 168 Implement suggested remedy with editorial license. Response Response Status W C/ 168 SC 168 **L1** P26 # 117 ACCEPT IN PRINCIPLE. Zimmerman, George ADI, APLgp, Cisco, Marvell, On Semi, Sony, Sen Tekse See comment #167. Comment Type E Comment Status A bucket EZ C/ 158 SC 158.2 P28 L12 # 63 Again, no editing instruction. Kevsiaht Regev. Alon SugaestedRemedy Comment Type Ε Comment Status A resolved Insert editing instruction prior to header, "Insert Clause 168 after Clause 167." "80.3" should be a link Response Response Status C SuggestedRemedy ACCEPT IN PRINCIPLE. change "80.3" to a link to "80.3" Implement suggested remedy with editorial license. Response Response Status C ACCEPT.

C/ 168 SC 168 P26 L16 # 9 C/ 168 SC 168.1 P26 L7 # 259 Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) Wienckowski. Natalie IVN Solutions LLC Comment Type Comment Status R Comment Type Comment Status A resolved resolved Consider using alternate sentence structure than a "shall" statement. There should not be editor's notes in D2.0 or later. SuggestedRemedy SuggestedRemedy Replace. "a PMD shall be connected" with. "a PMD is connected" Delete note indicating which subclause this is based on. Delete similar notes in 168.2. 168.3, 168.4, 168.5, 168.7, 168.8, 168.9, 168.10, and 168.12. Response Response Status C Response Status C Response REJECT ACCEPT IN PRINCIPLE. This "shall" is associated with PICS specified in 168.12.4.1, Items F1 and F2. See comment #120. C/ 168 SC 168.1 P26 **L6** # 120 C/ 168 SC 168.1 P26 L7 # 100 Zimmerman, George ADI, APLqp, Cisco, Marvell, On Semi, Sony, Sen Tekse Slavick, Jeff Broadcom Comment Type E Comment Status A Comment Type TR Comment Status A resolved While the editor's notes on where things came from are helpful, they need eventually to be Remove all the Editors notes stating what the section was leveraged from. This note has removed. They've probably served their purpose now, through d2.0, and may be deleted. no life span and should not be included in the publication. but if you want to keep them around, they should be deleted prior to SA ballot. SuggestedRemedy SuggestedRemedy Remove all the Editors notes stating which clause was used to create the current clause Either: change editor's notes to say "Editor's note (to be removed prior to SA Ballot:" or (10 occurences). delete Editor's notes on origin for subclauses. Response Response Status W Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE. See comment #120. The editor's notes will be removed. C/ 168 SC 168.1 P26 L19 # 260 C/ 168 SC 168.1 P26 L7 # 62 Wienckowski. Natalie IVN Solutions LLC Regev, Alon Keysight Comment Type E bucket EZ Comment Type E Comment Status A Comment Status A resolved broken link remove editor's notes prior to publication SuggestedRemedy SuggestedRemedy remove editor's notes prior to publication fix the Clause 45 link as it is in the document. Response Response Response Status C Response Status C ACCEPT. ACCEPT IN PRINCIPLE. See comment #120

Cl 168 SC 168.1 P26 L21 # 88

Mi, Guangcan Huawei Technologies Co., Ltd

Comment Type TR Comment Status A resolved

Table 168-1. The 100G bidi PMDs should also support 100G AUI-1 C2M

SuggestedRemedy

add two rows for 100G AUI-1 C2C(CL120F) and 100G AUI-1 C2M(120G) respectively.

Response Status C

ACCEPT IN PRINCIPLE. See comment #22.

Cl 168 SC 168.1 P26 L22 # 22

Lusted, Kent Synopsys

Comment Type T Comment Status A resolved

The 100GAUI-1 C2C and 100GAUI-1 C2M annexes should be referenced in Table 168-1

SuggestedRemedy

Add references to 100GAUI-1 C2C (Annex 120F) and 100GAUI-1 C2M (Annex 120G) Type = optional

Response Response Status C

ACCEPT IN PRINCIPLE.

Implement suggested remedy with editorial license.

C/ 168 SC 168.1 P26 L33 # 69

Opsasnick, Eugene Broadcom, Inc.

Comment Type TR Comment Status A resolved

Table 168-1 lists the Clause 91 RS-FEC as Required for 100GBASE-BR10, -BR20, and -BR40. Subclause 91.5.3.3.1 should be updated to add the 3 new PHYs using RS[544] to the list of PHYs using the optional FEC Degraded SER feature as defined in Clause 91.

SuggestedRemedy

In 91.5.3.3.1 add:

Change the first paragraph of 91.5.3.3.1 (as modified by IEEE Std 802.3ck-2022) as follows:

For 100GBASE-CR2, 100GBASE-KR2, 100GBASE-VR1, 100GBASE-SR2, 100GBASE-SR1, 100GBASE-DR, 100GBASE-FR1, 100GBASE-LR1, 100GBASE-CR1, and 100GBASE-KR1, 100GBASE-BR10, 100GBASE-BR20, and 100GBASE-BR40 PHYs an optional FEC degraded symbol error ratio function is available.

Response Status W

ACCEPT IN PRINCIPLE.

Implement suggested remedy with editorial license.

Cl 168 SC 168.1 P26 L33 # 68

Opsasnick, Eugene Broadcom, Inc.

Comment Type TR Comment Status A resolved

Table 168-1 lists the Clause 91 RS-FEC as Required for 100GBASE-BR10, -BR20, and -BR40. Clause 91 defines both RS[528] and RS[544], but there is no indication which of these two FEC codes should be used with the BR10/20/40 PMDs. Subclauses 91.5.2.7 and 91.5.3.3 list which PHYs use RS[528] and which use RS[544] along with some other features of each FEC code.

SuggestedRemedy

Add Clause 91 to the standard and add the three PHYs of this standard to the list of PHYs that implement RS[544] as was done in 802.3ck for 100GBASE-CR1/KR1:

In 91.5.2.7 add:

Change the second sentence of the second paragraph of 91.5.2.7 (as modified by IEEE Std 802.3ck-2022)

as follows:

When used to form a 100GBASE-KP4, 100GBASE-CR2, 100GBASE-KR2, 100GBASE-VR1, 100GBASE-SR2, 100GBASE-SR1, 100GBASE-DR, 100GBASE-FR1, 100GBASE-LR1,100GBASE-CR1, or 100GBASE-KR1, 100GBASE-BR10, 100GBASE-BR20, or 100GBASE-BR40 PHY, the RS-FEC sublayer shall implement RS(544,514).

In 91.5.3.3 add:

Change the second sentence of the second paragraph of 91.5.3.3 (as modified by IEEE Std 802.3ck-2022)

as follows:

When used to form a 100GBASE-KP4, 100GBASE-CR2, 100GBASE-KR2, 100GBASE-VR1, 100GBASE-SR2, 100GBASE-SR1, 100GBASE-DR, 100GBASE-FR1, 100GBASE-LR1, 100GBASE-CR1, or 100GBASE-KR1, 100GBASE-BR20, or 100GBASE-BR40 PHY, the RS-FEC sublayer shall be capable of correcting any combination of up to t=15 symbol errors in a codeword.

Change the third paragraph of 91.5.3.3 (as modified by IEEE Std 802.3ck-2022) as follows:

The Reed-Solomon decoder may provide the option to perform error detection without error correction to reduce the delay contributed by the RS-FEC sublayer. The presence of this option is indicated by the assertion of the FEC\_bypass\_correction\_ability variable (see 91.6.8). When the option is provided, it is enabled by the assertion of the FEC\_bypass\_correction\_enable variable (see 91.6.1). This option shall not be used when the RS-FEC sublayer is used to form part of a 100GBASE-CR2, 100GBASE-KR2, 100GBASE-VR1, 100GBASE-SR2, 100GBASE-SR1, 100GBASE-SR4, 100GBASE-DR, 100GBASE-FR1, 100GBASE-LR1, 100GBASE-CR1, or 100GBASE-KR1, 100GBASE-BR10, 100GBASE-BR20, or 100GBASE-BR40 PHY.

Change the last sentence of the last paragraph of 91.5.3.3 (as modified by IEEE Std 802.3ck-2022) as

follows:

When the RS-FEC sublayer is used to form a 100GBASE-KP4, 100GBASE-CR2, 100GBASE-KR2, 100GBASE-VR1, 100GBASE-SR2, 100GBASE-SR1, 100GBASE-DR, 100GBASE-FR1, 100GBASE-LR1, 100GBASE-CR1, or 100GBASE-KR1, 100GBASE-BR10, 100GBASE-BR20, or 100GBASE-BR40 PHY, the symbol error threshold shall be K=6380.

Response

Response Status W

ACCEPT IN PRINCIPLE.

Implement suggested remedy with editorial license.

C/ 168

SC 168.1

TR

P26

L33

# 23

Lusted. Kent Comment Type

Synopsys Comment Status A

resolved

The Table 168-1 states that Clause 91 RS-FEC is required for the 100GBASE-BRx PMDs. There is no specific mention in the draft specification of which RS-FEC is to be used with the 100GBASE-BRx PMDs. Note that Clause 91 defines two RS-FECs: RS(528) and RS(544).

SuggestedRemedy

Bring in Clause 91 into the draft. Specifically, Clause 91.5.2.7 and 91.5.3.3 as modified by 3ck and 3df. Update the relevant sub-clauses for RS(528) or RS(544)

Response

Response Status C

ACCEPT IN PRINCIPLE See comment #161.

C/ 168 SC 168.1

P26

L34

# 168

Dawe. Piers

Nvidia

Comment Type T Comment Status A resolved

For these relatively long links, FEC latency is not an issue but robustness may be

SuggestedRemedy

Consider allowing Clause 161 RS-FEC-Int (with 91.6.7a 100G RS FEC enable):

152—Inverse RS-FEC Optional b

161—RS-FEC-Int Optional

b Inverse RS-FEC is required to convert between RS-FEC and RS-FEC-Int (see 152.1.2).

Response

Response Status C

ACCEPT IN PRINCIPLE.

The group reach consensus on this feature to have in the draft. However, no enough details to be implemented in the draft.

Add an Editor's note to Clause 168 in the draft; call for contributions related to the interleaved RS-FEC.

C/ 168 SC 168.1 P26

L47

# 36

Ran. Adee Cisco Systems, Inc.

Comment Type

TR

Comment Status A

resolved

I believe the AUIs defined in 802.3ck (100GAUI-1 C2C and C2M) are very relevant for the 100GBASE-BRx PHYs. They should be included in Table 168-1.

P26

SuggestedRemedy

Add rows for Annexes 120F and 120G, optional.

Response

C/ 168

Response Status C

ACCEPT IN PRINCIPLE. See comment #22.

SC 168.1

L48

L48

Maki, Jeffery Juniper Networks

Comment Type

Comment Status A

resolved

100GAUI-1 C2C & 100GAUI-1 C2M are missing.

SuggestedRemedy

Add 120F-100GAUI-1 C2C & 120G-100GAUI-1 C2M

Response

Response Status C

ACCEPT IN PRINCIPLE.

See comment #22

C/ 168

# 169

Dawe. Piers

SC 168.1

Comment Type T

Comment Status A

P26

Nvidia

resolved

Add 100GAUI-1 C2C and C2M

SugaestedRemedy

Insert 120F and 120G below 135G. Optional.

Response

Response Status C

ACCEPT IN PRINCIPLE. See comment #22.

C/ 168 SC 168.1 P26 L50 # 118 C/ 168 SC 168.1 P27 L28 # 172 Zimmerman, George ADI,APLgp,Cisco,Marvell,OnSemi,Sony,SenTekse Dawe. Piers Nvidia Comment Type T Comment Status R Comment Status A bucket EZ resolved Comment Type Ε The note doesn't guite hit the point. Physical implementation of the CGMII is optional. The Layout logical description still applies (which is what the "However" says...) SuggestedRemedy SuggestedRemedy Left justify Change "The CGMII is an optional interface." to "Physical implementation of the the CGMII Response Response Status C is optional." ACCEPT IN PRINCIPLE Response Response Status C Implement suggested remedy with editorial license. REJECT The proposed simplification is less clear. C/ 168 SC 168.1 P27 L36 # 173 Keep consistent with the latest amendment, e.g., CL162 in 802.3ck. Nvidia Dawe. Piers C/ 168 SC 168.1 P27 L3 # 170 Comment Type Comment Status A bucket EZ Blank line? Dawe, Piers Nvidia Comment Type Ε Comment Status R resolved SuggestedRemedy Add reference to 157 Remove? SuggestedRemedy Response Response Status C Per comment ACCEPT. Response Response Status C SC 168.3.2 C/ 168 P28 L52 # 107 REJECT. Zimmerman, George ADI, APLgp, Cisco, Marvell, On Semi, Sony, Sen Tekse Keep consistent with other BiDi clauses, e.g., CL 160. Comment Type E Comment Status A # 2 C/ 168 SC 168.1 L19 P27 Active cross references to sections 80.5, Figure 80-9, 83.5.3.4, all point nowhere, they are Futurewei, U.S. Subsidiary of Huawei D'Ambrosia, John not in the draft. I will not comment more on cross references - however, there are numerous ones missed Comment Type ER Comment Status A bucket EZ and they need to be checked. The bottom of the "Physical Layer" is incorrect - it includes the MDI and should be drawn to SuggestedRemedy the top of the "Medium" Mark cross references as external. Editor to check the draft for external cross references SuggestedRemedy globally and fix. 27 Response Response Status C Response Response Status W ACCEPT IN PRINCIPLE. ACCEPT. Implement suggested remedy with editorial license and discretion. Maintenance required for Figure 140-1 in Clause 140.

C/ 168 SC 168.4 P29 L26 # 82 C/ 168 SC 168.5.3 P30 L51 # 11 Simms, William NVIDIA Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) Comment Status R Comment Type Ε Comment Status A bucket EZ Comment Type resolved strage break in body text and insertion of Tables Consider using alternate sentence structure than a "shall" statement. SuggestedRemedy SuggestedRemedy Leave text at line 23 and picking up at line 49 unbroken and move tables to appropriate Replace. "The PMD receive function shall convert" with. "The PMD receive function location converts" Response Response Status C Replace. "from lowest to highest shall correspond" with, "from lowest to highest ACCEPT IN PRINCIPLE. corresponds" Implement suggested remedy with editorial license. Response Response Status C C/ 168 SC 168.4 P29 L27 # 261 REJECT These "shall" in Clause 168.5.3 (PMD receive function) are associated with PICS specified Wienckowski, Natalie **IVN Solutions LLC** in 168.12.4.1, Items F6, F7, and F8 Comment Type E Comment Status A bucket\_EZ C/ 168 SC 168.5.4 P31 / 19 # 12 tables should not be in the middle of a paragraph Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) SuggestedRemedy Comment Type Comment Status R resolved Move Tables 168-2 and 168-3 after the paragraph text. Consider using alternate sentence structure than a "shall" statement. Response Response Status C SuggestedRemedy ACCEPT. Replace, "global signal detect function shall report" with, "global signal detect function C/ 168 SC 168.5.2 P30 L43 # 10 Maquire. Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) Replace, "SIGNAL DETECT shall be a global indicator" with, "SIGNAL DETECT is a Comment Type Comment Status R resolved global indicator" Consider using alternate sentence structure than a "shall" statement. Replace, "SIGNAL DETECT parameter shall be generated" with, "SIGNAL DETECT SuggestedRemedy parameter is generated" Replace, "Transmit function shall convert" with, "Transmit function converts" Response Response Status C REJECT. Replace, "The optical signal shall then be delivered" with, "The optical signal is then These "shall" in Clause 168.5.4 (PMD global signal detect function) are associated with delivered" PICS specified in 168.12.4.1, Items F9 and F10. Replace, "from lowest to highest shall correspond" with, "from lowest to highest corresponds" Response Response Status C

These "shall" in Clause 168.5.2 (PMD transmit function) are associated with PICS specified

REJECT.

in 168.12.4.1, Items F4 and F5

C/ 168 SC 168.5.4 P31 L23 # 175 C/ 168 SC 168.5.6 P31 L47 # 14 Dawe. Piers Nvidia Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) Comment Status A Comment Status R Comment Type Т bucket EZ Comment Type resolved inter-sublayer service interface primitives defined in 131.3. Consider using alternate sentence structure than a "shall" statement. SuggestedRemedy SuggestedRemedy inter-sublaver service interface primitives defined in 80.3. Replace, "compliant with this clause shall include" with, "compliant with this clause includes" Response Response Status C Replace, "this function shall turn off" with, "this function turns off" ACCEPT Response Response Status C REJECT. SC 168.5.4 P31 C/ 168 L31 # 177 These "shall" in 168.5.6 (PMD global transmit disable function) Dawe. Piers Nvidia are associated with PICS specified in 168.12.4.2. Item M2. Comment Type Ε Comment Status A bucket EZ C/ 168 SC 168.5.7 P32 **L6** # 15 This "base text" does not agree with the published 160.5 and similar sections in other clauses such as 140 and 167. "Must" is deprecated. Copperopolis (aff'l w/ CME Consulting and Cisco) Maguire, Valerie Comment Type Ε Comment Status R resolved SuggestedRemedy Consider using alternate sentence structure than a "shall" statement. Change "an unavoidable consequence" to "a consequence". Change "must" to "need to". Make any other changes to align with the published 802.3 as appropriate. SuggestedRemedy Response Response Status C Replace, "the PMD shall set" with, "the PMD sets" ACCEPT. Replace, "PMD fault shall be mapped to" with, "PMD fault is mapped to" C/ 168 SC 168.5.5 P31 L42 # 13 Response Response Status C Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) REJECT. These "shall" in 168.5.7 (PMD fault function) are associated with PICS specified in Comment Type Comment Status R resolved 168.12.4.2, Item M3. Consider using alternate sentence structure than a "shall" statement. C/ 168 SC 168.5.8 P32 L13 # 16 SugaestedRemedy Replace, "the PMD shall be reset" with, "the PMD is reset" Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) Comment Type Ε Comment Status R resolved Response Response Status C Consider using alternate sentence structure than a "shall" statement. REJECT. The "shall" in Clause 168.5.5 (PMD reset function) is associated with PICS specified in SuggestedRemedy 168.12.4.1. Item F11. Replace, "the PMD shall set" with, "the PMD sets" Replace, "PMD transmit fault shall be mapped to" with, "PMD transmit fault is mapped to" Response Response Status C REJECT These "shall" in 168.5.8 (PMD transmit fault function) are associated with PICS specified in 168.12.4.2, Item M4.

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

C/ 168 SC 168.5.8 Page 31 of 39 2025/4/28 22:41:12

C/ 168 SC 168.5.9 P32 L21 # 17 Maguire, Valerie Copperopolis (aff'l w/ CME Consulting and Cisco) Comment Status R Comment Type resolved Consider using alternate sentence structure than a "shall" statement. SuggestedRemedy Replace. "100GBASE-BRx-U PMD shall include" with. "100GBASE-BRx-U PMD includes" Replace, "the PMD shall set the" with, "the PMD sets the" Replace, "PMD receive fault shall be mapped" with, "PMD receive fault is mapped" Response Response Status C REJECT. These "shall" in 168.5.9 (PMD receive fault function) are associated with PICS specified in 168.12.4.2, Item M5.

P32 Maquire. Valerie Copperopolis (aff'l w/ CME Consulting and Cisco)

Comment Type Ε Comment Status R resolved

L31

# 18

Consider using alternate sentence structure than a "shall" statement.

SuggestedRemedy

C/ 168

Replace, "Silent start shall be provided" with, "Silent start is provided"

Response Response Status C

SC 168.5.10

REJECT

The "shall" in 168.5.10 (ONU silent start) is associated with PICS specified in 168.12.4.1, Item F12.

C/ 168 SC 168.6.1 P33 # 268

Maniloff, Eric Ciena

Comment Type TR Comment Status R

resolved

Currently the OMA (Max) values for 100GBASE-BR10/BR20/BR40 are 5/0/8.3dBm. At max TDECQ the OMA (Min) values for these are 3.1/-0.3/7.8 dBm. This leaves 0.3 dB difference between Min and Max for BR20 and 0.5dB difference between Min and Max for BR40. This is not sufficient difference for manufacturing yield, lifetime, thermals.

#### SuggestedRemedy

Increase the OMA Max for 100GBASEBR20 and BR40 to allow a larger difference between min and max values. Alternatively the minimum OMA could be reduced. Ensure a minimum of 1.5dB difference between Min and Max values.

Response Response Status C

REJECT

Draft is not broken, no consensus to make the change Call for contribution to improve the values of BR20 and BR40.

C/ 168 SC 168.6.1 P33 L15 # 89

Mi, Guangcan Huawei Technologies Co., Ltd

Comment Type ER Comment Status A bucket EZ

the labe of wavelength is currently written as 100GBASE-BRx-D center wavelengths (range) or 100GBASE-BRx-U center wavelengths (range). This doesn't seem right. The upstream and down stream would only have one wavelength each. The wavelength can not be precisely controlled, thus a range is specified allowing the center wavelength to drift or shift. It is however a single wavelength, therefore the plural form here is not appropriate.

#### SuggestedRemedy

change wavelengths to wavelength in both cases of upstream and downstream.

Response Response Status W

ACCEPT IN PRINCIPLE.

Implement suggested remedy to Table 168-6 and Table 168-7.

Comment Type E Comment Status A

Johnson, John

bucket EZ Comment Type

C/ 168

Broadcom

# 71

L38

For improved readability, where the parameter limits seem likely to remain the same for all 3 (6) PMDs...

SuggestedRemedy

As for the first four rows, merge and straddle the triple entries for

Side-mode suppression ratio (SMSR), (min)

Transmitter transition time (max)

RINxOMA (max)

Transmitter reflectance (max)

Response Status C

ACCEPT.

Cl 168 SC 168.6.1 P33 L24 # 70

Johnson, John Broadcom

Comment Type TR Comment Status R

resolved

At ER(min) = 3.5 dB and OMA(max) =5 dBm, maximum TX Pavg would be 6.2 dBm, which exceeds the PAVG(max) spec of 4.8dBm for 100G-BR10.

SuggestedRemedy

Minimum required TX OMA at TDECQ(max) = 3.1 dBm, corresponding to PAVG = 4.3dBm at ER(min). To conform to TX Pavg(max) = 4.8 dBm, propose to change TX OMA(max) from 5 dBm to 3.6 dBm in Table 168-6, and RX OMA(max) from 5 dBm to 3.6dBm in Table 168-7.

Response Status C

REJECT.

The maximum TX Pavg, OMA(max) and ER(min) don't have to be met simultaneously.

Refer to 3dk jackson 2407 1b.pdf.

Comment Type TR Comment Status A resolved

The transmitter power excursion (TPE) maximum limits are inconsistent with the specified

OMA(max) and maximum overshoot (OS) = 22%. As discussed in johnson 3dj 01a 2411.

OS should roll off to ~14.6% at OMA(max) to be consistent with other 100G PAM4 PMDs.

P33

SuggestedRemedy

Assuming ideal linearity, TPE(max) = OMA(max)\*(OS+0.5), where OS = 14.6%. Based on this, change the spec limits for TPE(max) as follows:

100G-BR10: from 2.8 dBm to 1.7 dBm (assuming acceptance of TX OMA(max) = 3.6 dBm)

100G-BR20: from 3.9 dBm to -0.5 dBm 100G-BR40: from 6.1 dBm to 7.8 dBm

SC 168.6.1

Response Status C

ACCEPT IN PRINCIPLE.

Based on the formula: TPE(max) = OMA(max)\*(OS+0.5), where OS = 14.6% at OMA(max).

Change the TPE values in Table 168-6 as:

100G-BR10: 3.1 dBm 100G-BR20: -1.9 dBm 100G-BR40: 6.4 dBm

Cl 168 SC 168.6.1 P33 L39 # 179

Dawe, Piers Nvidia

Comment Type E Comment Status A

Use the emerging standard order for these parameters (see Clause 151)

Ose the emerging standard order for these parameters (see Claus

SuggestedRemedy

Move Average launch power of OFF transmitter (max)

to after Transmitter transition time (max)

Response Status C

ACCEPT.

bucket EZ

C/ 168 SC 168.6.1 P33 L50 # 72 C/ 168 SC 168.6.1 P34 **L1** # 182 Johnson, John Broadcom Dawe. Piers Nvidia Comment Status A Comment Type TR bucket EZ Comment Type Comment Status A bucket EZ It's unnecessary to compare with CI. 139 in footnote (b). In equations, functions and abbreviations of words should be upright not italic SuggestedRemedy SuggestedRemedy Delete "Even though the representation of the OMAouter requirement is different from that Change max to upright, three times in Clause 139, they are consistent." from footnote (b). Response Response Status C Response Status W Response ACCEPT IN PRINCIPLE ACCEPT IN PRINCIPLE Follow the style manual. See comment #41. Implement suggested remedy with editorial license. C/ 168 SC 168.6.1 P33 L50 # 41 C/ 168 SC 168.6.3 P35 # 269 Cisco Systems, Inc. Ran, Adee Maniloff, Eric Ciena Comment Type TR Comment Status A bucket EZ Comment Status A Comment Type T resolved Footnote b of Table 167-7 refers to clause 139, but this clause is for a 50 Gb/s PMD and is Penalty allocations include 0.9dB more than TDECQ for the 10km spec, but only 0.5dB irrelevant. The relevant clause may be 140 instead (assuming it is consistent; if not, further more for the 20 & 40km specs. Penalty allocations normally include allocations for DGD changes need to be made). and MPI penalties, DGD is 3.1/3.9/5.0 ps for 10/20/40km specs. The expectation would be that penalties for 20 & 40 kms would be ≥ those for 10 km. Also, external references should be indicated by "forest green" text color. SuggestedRemedy SuggestedRemedy Adjust the penalties and corresponding related specifications to align with the link Change "Clause 139" to "Clause 140" and format as external reference (forest green). impairments. Response Response Status W Response Response Status C ACCEPT. ACCEPT IN PRINCIPLE. Add Editor's note in the draft: call for further check of the penalty values. C/ 168 SC 168.6.1 P33 L51 # 181 C/ 168 P35 # 270 SC 168.6.3 Dawe. Piers Nvidia Maniloff. Eric Ciena Comment Type Т Comment Status A bucket EZ Comment Type Ε Comment Status A resolved A comparison with Clause 139 (50GBASE-FR LR ER) doesn't seem relevant; saying this is Penalty allocations include values for DGD and MPI. In 802.3dj there was a decision to consistent doesn't seem correct. explicitely state the allocations for these, which is useful information to include. SuggestedRemedy SuggestedRemedy Delete the sentence "Even though the representation of the OMAouter requirement is Add a footnote to the Penalty aloocations specifying the values for DGD and MPI different from that in Clause 139, they are consistent." Response Response Status C Response Response Status C ACCEPT IN PRINCIPLE. ACCEPT IN PRINCIPLE See comment #269. See comment #41.

C/ 168 SC 168.6.3 P35 L11 # 110 C/ 168 SC 168.7.1 P36 L7 # 45 Zimmerman, George ADI,APLgp,Cisco,Marvell,OnSemi,Sony,SenTekse Ran. Adee Cisco Systems, Inc. Comment Type T Comment Status R Comment Type Comment Status A bucket EZ bucket EZ The unit for a power budget can't be dB - power has units - dBm, for example.... dB is only Typo in "Sidn" good for ratios. SuggestedRemedy SuggestedRemedy Change to "Side" Either rename "Power budget" so it is clear it is a ratio, or change units to reflect a unit of Response Response Status C power (e.g., dBm) ACCEPT Response Response Status Z REJECT. C/ 168 SC 168.7.4 P37 L2 # 185 Nvidia Dawe. Piers This comment was WITHDRAWN by the commenter. Comment Type E Comment Status A bucket EZ Blank line(s)? Power budget (dB)=channel insertion loss (dB) + allocation for penalties (dB) SuggestedRemedy C/ 168 SC 168.7.1 P36 L7 # 65 Remove. Set the figure to float. Regev, Alon Keysight Response Response Status C Comment Type Ε Comment Status A bucket EZ ACCEPT. "sidn" should be "side" C/ 168 SC 168.7.5.3 P38 L50 # 46 SugaestedRemedy Ran. Adee Cisco Systems, Inc. change "sidn-mode" to "side-mode" Comment Type ER Comment Status A bucket EZ Response Response Status C Reference to 121.8.5.3 is not a functional link. It should be formatted as an external ACCEPT. reference. C/ 168 SC 168.7.1 P36 L7 # 184 Other similar external references appear in 168.7.13.1, 168.7.13.2, 168.7.13.3, 168.7.7 (3) Nvidia Dawe, Piers references), 168.7.11, 168.8.1, and maybe other places. Ε Comment Status A Comment Type bucket EZ SuggestedRemedy Sidn Format all external references in forest green text color. SuggestedRemedy Response Response Status W Side ACCEPT.

Response Status C

Response

ACCEPT.

C/ 168 SC 168.7.5.4 P39 L3 # 83 C/ 168 SC 168.7.6 P39 L27 # 92 Mi, Guangcan Simms, William NVIDIA Huawei Technologies Co., Ltd Comment Type Comment Status A bucket EZ Comment Type ER Comment Status A Ε bucket EZ strange break in text between line 3 and 17 with figure n the mddle. "The TECQ of each lane is measured using the methods specified for TDECQ in 168.7.5, except that the test fiber is not used." SuggestedRemedy move figure to after the completed text There is only one lane in BRx PMDs in each direction. Response Response Status C SuggestedRemedy ACCEPT IN PRINCIPLE delete " of each lane" Implement suggested remedy with editorial license. Response Response Status W L3 # 47 C/ 168 SC 168.7.5.4 P39 ACCEPT. Ran. Adee Cisco Systems, Inc. C/ 168 SC 168.7.7 P39 L33 # 189 Comment Type E Comment Status A bucket EZ Dawe. Piers Nvidia "5 tap, T spaced" should be "5-tap, T-spaced". Comment Type E Comment Status A bucket EZ (see for example 167.8.6.1 in 802.3db) There is only one limit for this in the table I am aware that the same text exists in many previous clauses, but an error should not be SuggestedRemedy carried over to a new clause. Change limits to limit SuggestedRemedy Response Response Status C Change per comment. ACCEPT. Response Response Status C ACCEPT. C/ 168 SC 168.7.10 P**40** L36 # 190 Dawe. Piers Nvidia C/ 168 SC 168.7.5.4 P39 L27 # 262 Comment Type E Comment Status A bucket\_EZ Wienckowski. Natalie **IVN Solutions LLC** There is only one limit for this in the table Comment Type E Comment Status A bucket EZ SuggestedRemedy figures should not be in the middle of a paragraph Change limits to limit SuggestedRemedy Response Response Status C Move Figure 168-5 after the paragraph text. ACCEPT. Response Response Status C ACCEPT.

C/ 168	SC 168.7.11	P <b>40</b>	L <b>53</b>	# 19	C/ 168 SC 168	8.8.1 <i>P</i> 44	L <b>3</b>	# 203
Maguire, Va	alerie	Copperopolis (	aff'l w/ CME Co	onsulting and Cisco)	Dawe, Piers	Nvidia		
Comment Ty Conside	•	Comment Status R sentence structure than a "s	shall" statement.	resolved	Comment Type <b>E</b> Links to be made			bucket_EZ
SuggestedR Replace	•	s defined" with, "RIN is define	ed "		SuggestedRemedy Should be forest	green. Also in 168.12.4.		
Response REJECT The "sha	• •	Response Status C with PICS specified in 168.1	2.4.6, Item M1.		Response ACCEPT.	Response Status C		
C/ <b>168</b>	SC 168.7.13.1	P <b>42</b>	L35	# 263	C/ 168 SC 168	8.8.2 <i>P</i> 44	L17	# 204
Wienckowsk Comment Ty Figure 1 SuggestedR Move Fi	ki, Natalie ype <b>E</b>  68-7 is part of 16 Remedy	IVN Solutions  Comment Status A  8.7.13.1, not 168.7.13.  the first paragraph of 168.7.1	LLC	bucket_EZ	A host system the may emit laser ra	Nvidia  Comment Status A  te this have a footnote: that fails to meet the manufacturer adiation in excess of the safety lice thost manufacturer is required to	mits of one or more	safety standards. In
ACCEPTO ACCEPT	SC 168.7.13.1	Response Status C  P43  Nvidia	L2	# 200	SuggestedRemedy If this footnote is Response ACCEPT IN PRI Implement sugge	Response Status C	se.	,

C/ <b>168</b>	SC 168.9	P <b>45</b>	L <b>19</b>	# 264	Cl 168	SC 168.10	P <b>46</b>	L <b>9</b>	# 209
Vienckows	ski, Natalie	IVN Solutio	ns LLC		Dawe, Pie	rs	Nvidia		
Comment 7 tables s		Comment Status <b>A</b> in the middle of a paragraph		bucket_EZ	Comment), or		Comment Status A r type G.657.A2 (bend inser	nsitive) fibers or th	bucket_E2 e requirements in
Suggestedl Move T Response ACCEF	Table 168-12 a	after the paragraph text.  Response Status C				comma, as in 15	1.11.1: r type G.657.A2 (bend inser <i>Response Status</i> <b>C</b>	nsitive) fibers, or th	ne requirements in
C/ <b>168</b> Dawe, Pier	SC 168.9	P <b>45</b> Nvidia	L <b>44</b>	# 207	ACCE C/ 168	PT. SC <b>168.12.1</b>	P48	L14	# 213
Comment 7 Other c	<i>Type</i> <b>T</b> clauses have o	Comment Status A changed to the IEC definition		bucket_EZ	Dawe, Pie  Comment Links t		Nvidia  Comment Status A  aff		bucket_Ez
Suggestedh Change method	e "ANSI/TIA/E	IA-526-7/method A-1" to "the	IEC 61280-4-2 on	e-cord reference	Suggested	IRemedy	. Also at like 47		
Response ACCEF	PT.	Response Status C			Response ACCE	PT.	Response Status C		
C/ <b>168</b>	SC 168.10	P <b>46</b>	L1	# 208	C/ 168	SC 168.12.1	P <b>48</b>	L <b>28</b>	# 214
Dawe, Pier	'S	Nvidia			Dawe, Pie	rs	Nvidia		
Comment 7 Table 1		Comment Status A ns numbers not definitions		bucket_EZ	Comment Blank	<i>Type</i> <b>E</b> sub-row?	Comment Status A		bucket_E2
Suggestedl Change	-	to "given in" or "of"			Suggested Remov	<i>IRemedy</i> ve. Also in 168.1	2.3, twice		
	PT IN PRINCI				Response ACCE	PT.	Response Status C		
Change	e "defined in"	to given in .			C/ 168	SC 168.12.3	P <b>49</b>	L13	# 215
					Dawe, Pie	rs	Nvidia		
					Comment The O	,,	Comment Status A	the D PHYs	bucket_E2
					Suggested Create	-	or U and D. Status of F12 C	NU silent start be	comes U:M
					Response ACCE		Response Status C		

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

C/ 168 SC 168.12.3 Page 38 of 39 2025/4/28 22:41:12

C/ 168 SC 168.12.3 P49 L15 # 104 Slavick, Jeff Broadcom Comment Type TR Comment Status A bucket EZ INS is used as a conditional in 168.12.4.8 so it needs a \* SuggestedRemedy Add a \* before INS in the item column in 168.12.3 Response Response Status W ACCEPT. C/ Content SC Contents P12 L**0** # 133 Dawe, Piers Nvidia Comment Type E Comment Status A bucket\_EZ Contents is missing SuggestedRemedy Add Contents Response Response Status C ACCEPT. See comment #258. Cl Introduc SC Introduction P8 L4 # 56 Regev, Alon Keysight Comment Type E Comment Status A bucket EZ "802.3xx" should be "802.3dk" SuggestedRemedy "802.3xx" should be "802.3dk" Response Response Status C ACCEPT. C/ Introduc SC Introduction P**8** L31 # 55 Regev, Alon Keysight Comment Type E Comment Status A bucket\_EZ "802.3xx" should be "802.3dk" SuggestedRemedy

Response Status C

"802.3xx" should be "802.3dk"

Response

ACCEPT. See comment #27. C/ Particip SC Participants P7 L4 # 54

Regev, Alon Keysight

Comment Type E Comment Status A bucket\_EZ

"P802.3xx" should be "P802.3dk"

SuggestedRemedy

change "P802.3xx" to "P802.3dk"

Response Response Status C

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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

C/ Particip
SC Participants

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