Cl **FM** *SC* **FM**   *P* **1**   *L* **10** # 38

Grow, Robert   RMG Consulting

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

 This project has been assigned a number by the WG Chair.

SuggestedRemedy

 Add assigned amendment number 15.

Response   *Response Status* **C**

 ACCEPT.

Cl **FM** *SC* **FM**   *P* **1**   *L* **28** # 39

Grow, Robert   RMG Consulting

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

 As amendment 15 replace list.

SuggestedRemedy

 "as amended by IEEE Std 802.3cb-2018, IEEE Std 802.3bt-2018, IEEE Std 802.3cd-2018, IEEE Std 802.3cn-2019, IEEE Std 802.3cg-2019, IEEE Std 802.3cq-2020, IEEE Std 802.3cm-2020, IEEE Std 802.3ch-2020, IEEE Std 802.3ca-2020, IEEE Std 802.3cr-2021, IEEE Std 802.3cu-2021, IEEE Std 802.3cv-20xx, IEEE Std 802.3ct-20xx, and IEEE Std 802.3cp-20xx."

Response   *Response Status* **C**

 ACCEPT.

Cl **FM** *SC* **FM**   *P* **1**   *L* **28** # 13

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

 Insert updated list of published amendments.

SuggestedRemedy

 Update list of amendments considered before this (from chief editor)

Response   *Response Status* **C**

 ACCEPT IN PRINCIPLE.

 See comment #39

Cl **FM** *SC* **FM**   *P* **1**   *L* **29** # 59

Wienckowski, Natalie   General Motors

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

 Missing additional ammendments in the list.

SuggestedRemedy

 Change: IEEE Std 802.3cd-201x, and XXX
 To: IEEE Std 802.3cd-2018, IEEE Std 802.3cn-2019, IEEE Std 802.3cg-2019, IEEE Std 802.3cq-2020, IEEE Std 802.3cm-2020, IEEE Std 802.3ch-2020, IEEE Std 802.3ca-2020, IEEE Std 802.3cr-2021, IEEE Std 802.3cu-2021, IEEE Std 802.3cv-20xx, IEEE Std 802.3ct-20xx, and IEEE Std 802.3cp-20xx.

Response   *Response Status* **C**

 ACCEPT IN PRINCIPLE.

 See comment #39

Cl **FM** *SC* **FM**   *P* **4**   *L* **7** # 40

Grow, Robert   RMG Consulting

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

 IEEE style has changed (2020 IEEE Standards Style Manual, 11.1).

SuggestedRemedy

 Delete 2nd paragraph of the Editor's Note.

Response   *Response Status* **C**

 ACCEPT.

Cl **FM** *SC* **FM**   *P* **8**   *L* **9** # 24

Ewen, John   Marvell

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

 I believe Jon Lewis is the WG Secretary at the beginning of WG ballot.

SuggestedRemedy

 Change "Pete Anslow" to "Jon Lewis"

Response   *Response Status* **C**

 ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general *Cl* **FM** Page 1 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn *SC* **FM** 5/14/2021 11:13:28 AM
SORT ORDER: Clause, Subclause, page, line

Cl **FM**	*SC* **FM**	*P* **8**	*L* **16**	# 41

Grow, Robert   RMG Consulting

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

The ballot group is now known.

SuggestedRemedy

Add WG members list at start of P802.3cs WG ballot.

Response   *Response Status* **C**

ACCEPT.

Cl **FM**	*SC* **FM**	*P* **11**	*L* **43**	# 60

Wienckowski, Natalie   General Motors

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

SuggestedRemedy

Change: IEEE Std 802.3cd™-201x
To: IEEE Std 802.3cd™-2018

Response   *Response Status* **C**

ACCEPT.

Cl **FM**	*SC* **FM**	*P* **11**	*L* **49**	# 61

Wienckowski, Natalie   General Motors

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

Add additional ammendments per 802.3 WG FM template version 4.5.

SuggestedRemedy

Add: IEEE Std 802.3cn™-2019
Amendment 4—This amendment includes changes to IEEE Std 802.3-2018 and adds 50 Gb/s, 200 Gb/s, and 400 Gb/s Physical Layer specifications and management parameters for operation over single-mode fiber with reaches of at least 40 km.
IEEE Std 802.3cg™-2019
Amendment 5—This amendment includes changes to IEEE Std 802.3-2018 and its amendments and
adds Clause 146 through Clause 148 and Annex 146A and Annex 146B. This amendment adds
10 Mb/s Physical Layer specifications and management parameters for operation on a single balanced
pair of conductors.
IEEE Std 802.3cq™-2020
Amendment 6—This amendment includes editorial and technical corrections, refinements, and
clarifications to Clause 33 and related portions of the standard.
IEEE Std 802.3cm™-2020
Amendment 7—This amendment includes changes to IEEE Std 802.3-2018 and adds Clause 150. This amendment adds Physical Layer (PHY) specifications and management parameters for 400 Gb/s operation on four pairs (400GBASE-SR4.2) and eight pairs (400GBASE-SR8) of multimode fiber, over reaches of at least 100 m.
IEEE Std 802.3ch™-2020
Amendment 8—This amendment includes changes to IEEE Std 802.3-2018 and adds Clause 149, Annex 149A, Annex 149B, and Annex 149C. This amendment adds physical layer specifications and management parameters for operation at 2.5 Gb/s, 5 Gb/s, and 10 Gb/s over a single balanced pair of conductors.
IEEE Std 802.3ca™-2020
Amendment 9—This amendment to IEEE Std 802.3-2018 extends the operation of Ethernet passive optical networks (EPONs) to multiple channels of 25 Gb/s providing both symmetric and asymmetric operation for the following data rates (downstream/upstream): 25/10 Gb/s, 25/25 Gb/s, 50/10 Gb/s, 50/25 Gb/s, and 50/50 Gb/s. This amendment specifies the 25 Gb/s EPON Multi-Channel Reconciliation Sublayer (MCRS), Nx25G-EPON Physical Coding Sublayers (PCSs), Physical Media Attachment (PMA) sublayers, and Physical Medium Dependent (PMD) sublayers that support both symmetric and asymmetric data rates while maintaining backward compatibility with already deployed 10 Gb/s EPON equipment. The EPON operation is defined for distances of at least 20 km, and for a split ratio of at least 1:32.
IEEE Std 802.3cr™-2021
Amendment 10—This amendment includes changes to IEEE Std 802.3-2018 and adds Annex J. This amendment replaces references to the IEC 60950 series of standards (including IEC 60950-1 "Information technology equipment—Safety—Part 1: General requirements") with appropriate references to the IEC 62368 "Audio/video, information and

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

Cl **FM**   Page 2 of 17
SC **FM**   5/14/2021 11:13:28 AM

communication technology equipment" series and makes appropriate changes to the standard corresponding to the new references.
IEEE Std 802.3cu™-2021
Amendment 11—This amendment includes changes to IEEE Std 802.3-2018 and adds Clause 151. This amendment adds Physical Layer (PHY) specifications and management parameters for 100 Gb/s and 400 Gb/s operation over single-mode fiber, based on 100 Gb/s per wavelength optical signaling.

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

Cl **FM**   *SC* **FM**   *P* **11**   *L* **49**   # 14

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

Comment Type **E**   *Comment Status* **A**
   Insert updated abstracts of published amendments

SuggestedRemedy
   Update abstracts with current frontmatter template

Response   *Response Status* **C**
   ACCEPT IN PRINCIPLE.

   See comment #61

Cl **FM**   *SC* **FM**   *P* **11**   *L* **50**   # 62

Wienckowski, Natalie   General Motors

Comment Type **E**   *Comment Status* **A**
   Add description of this amendment.

SuggestedRemedy
   Change: IEEE Std 802.3xx™-20xx
   This amendment includes [complete]
   To: IEEE Std 802.3cs™-202x
   This amendment to IEEE Std 802.3-2018 specifies physical layers and management parameters for increased-reach point-to-multipoint Ethernet optical subscriber access (Super-PON).

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

Cl **FM**   *SC* **FM**   *P* **11**   *L* **50**   # 42

Grow, Robert   RMG Consulting

Comment Type **ER**   *Comment Status* **A**
   Outdated front matter Introduction.

SuggestedRemedy
   Include amendment descriptions for amendments 4 through 11 as published in amendment 11, IEEE Std 802.3cv-20xx as in P802.3cv/D3.1, IEEE Std 802.3ct-20xx as in P802.3ct/D3.3, IEEE Std 802.3cp/D3.1, and write a description for IEEE Std 802.3cs-20xx.

Response   *Response Status* **W**
   ACCEPT IN PRINCIPLE.

   See comments #61 and #62

Cl **FM**   *SC* **FM**   *P* **11**   *L* **51**   # 29

Marris, Arthur   Cadence Design Systems

Comment Type **TR**   *Comment Status* **A**
   There is noo decription of IEEE Std 802.3cs™-20xx

SuggestedRemedy
   Please add a brief desccription of this amendment

Response   *Response Status* **W**
   ACCEPT IN PRINCIPLE.

   See comment #62

Cl **00**   *SC* **0**   *P*   *L*   # 68

Wienckowski, Natalie   General Motors

Comment Type **E**   *Comment Status* **A**
   For all additions to tables, if there are rows before or after the rows shown in the spec, there needs to be a blank, merged row with an elipses in it to indicate all places where there are additional rows not shown. Search for "unchanged rows not shown" to find places where this is needed. There are also rows with elipses in each cell of a row where the cells need to be merged.

SuggestedRemedy
   Add additional rows, merged row with an elipses in it, to the top and/or bottom of tables as needed to indicate additional rows that are not shown.

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **00**   Page 3 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **0**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **00**　　　*SC* **0**　　　　　　*P*　　　*L*　　　# 73

Wienckowski, Natalie　　　　　　General Motors

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

SuggestedRemedy
　Remove all blank pages, e.g. P34

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

Cl **00**　　　*SC* **0**　　　　　　*P* **1**　　　*L*　　　# 54

Lewis, Jon　　　　　　Dell

Comment Type **E**　　*Comment Status* **A**
　Frame template is old and includes Pete Anslow as the 802.3 secretary and only a few amendments.

SuggestedRemedy
　Update to the latest Frame template.

Response　　　　*Response Status* **C**
　ACCEPT IN PRINCIPLE.

　See comments #24, #61, and #62

Cl **00**　　　*SC* **0**　　　　　　*P* **96**　　　*L* **1**　　　# 57

Lewis, Jon　　　　　　Dell

Comment Type **E**　　*Comment Status* **A**
　blank page

SuggestedRemedy
　remove blank page

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

Cl **00**　　　*SC* **0**　　　　　　*P* **110**　　　*L* **1**　　　# 58

Lewis, Jon　　　　　　Dell

Comment Type **E**　　*Comment Status* **A**
　blank page

SuggestedRemedy
　remove blank page

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

Cl **1**　　　*SC* **1.3**　　　　　　*P* **20**　　　*L* **8**　　　# 88

Huber, Tom　　　　　　Nokia

Comment Type **T**　　*Comment Status* **A**
　ITU-T G.698.2 has already been added as a normative reference by P802.3ct

SuggestedRemedy
　Delete the text indicating that ITU-T G.698.2 should be added as a reference.

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

Cl **1**　　　*SC* **1.3**　　　　　　*P* **20**　　　*L* **8**　　　# 93

Anslow, Pete　　　　　　Independent

Comment Type **ER**　　*Comment Status* **A**
　G.698.2 is being added to 1.3 by P802.3ct, which is expected to be approved ahead of .3cs.

SuggestedRemedy
　Remove the entry for G.698.2 from 1.3

Response　　　　*Response Status* **W**
　ACCEPT.

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

Cl **1**
SC **1.3**

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5/14/2021 11:13:29 AM

Cl **1**   *SC* **1.4**   *P* **20**   *L* **14**   # 94

Anslow, Pete   Independent

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

The editing instructions for the items in 1.4 are missing.
The definition for Dispersion Compensation Module (DCM): should be 1.4.231a
1.4.245c was inserted by IEEE Std 802.3ca-2020, but changes from this are not shown
with change marks.

SuggestedRemedy

Add three editing instructions (one before each definition):
  Insert the following new definition after 1.4.231 "differential skew":
  Change 1.4.245c (inserted by IEEE Std 802.3ca-2020) as follows:
  Insert the following new definition after 1.4.275 "frame loss ratio":

Renumber the definition for Dispersion Compensation Module (DCM): to 1.4.231a
Show the changes with respect to 1.4.245c as inserted by IEEE Std 802.3ca-2020 with
change marks.

Response   *Response Status* **C**

ACCEPT.

Cl **1**   *SC* **1.4**   *P* **20**   *L* **14**   # 89

Huber, Tom   Nokia

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

There are no editing instructions indicated in the clause. It appears that 1.4.232a and
1.4.275a are new terms to be inserted, and tbat 1.4.245c (as inserted by 802.3ca) should
be replaced by the new text.

SuggestedRemedy

Add editing instructions

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment #94

Cl **1**   *SC* **1.4**   *P* **20**   *L* **15**   # 23

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

Missing editing instructions

SuggestedRemedy

on line 15 add editing instruction "Change 1.4.232a and 1.4.245c, inserted by IEEE Std
802.3ca-2020, as follows:" Add strikeout and underlines to show the actual change from
the text inserted by 802.3ca-2020
on line 24 add editing instruction, "Insert 1.4.275a after 1.4.275 as follows:"

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

1.4.232a was not inserted by 802.3ca - there was no DCM in there

See comment #94

Cl **1**   *SC* **1.4**   *P* **20**   *L* **15**   # 43

Grow, Robert   RMG Consulting

Comment Type   **ER**   *Comment Status* **A**

Missing editing instruction.

SuggestedRemedy

Insert the following new definition after 1.4.232

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

See comment #94

Cl **1**   *SC* **1.4**   *P* **20**   *L* **18**   # 44

Grow, Robert   RMG Consulting

Comment Type   **ER**   *Comment Status* **A**

Missing editing instruction. EQT is already defined in IEEE Std 802.3ca-2020. The
instruction probably should be a Change (with appropriate change marks to the base text),
but because there are no change marks, perhaps a Replace is intended.

SuggestedRemedy

Replace 1.4.245c (inserted by IEEE Std 802.3ca-2020) with the following:

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

See comment #94

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **1**   Page 5 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **1.4**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **1**   *SC* **1.4**   *P* **20**   *L* **24**   # 46

Grow, Robert   RMG Consulting

Comment Type **ER**   *Comment Status* **A**

Missing editing instruction.

SuggestedRemedy

Insert the following new definition after 1.4.275

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

See comment #94

Cl **1**   *SC* **1.4.245c**   *P* **20**   *L* **19**   # 45

Grow, Robert   RMG Consulting

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

Though IEEE Std 802.3ca-2020 got published with some of the noted faults. This definition uses the unexpanded/undefined acronym/term No expansion of EQT or EQ is found anywhere in the draft, 802.3ca, (I can't find it used in P802.3cp/D3.1). EQT also does not appear to be a "unit of measurement" as it is equated to 6.4ns on an XGMII, doesn't that make it a variable?

SuggestedRemedy

I wish I had the expertise to suggest a replacement definition, but as is it certainly doesn't help me to understand the specifications in either 802.3ca or this draft.

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

EQT is used in 164.2.4.1.1 (as an example).

See comment #94 for updates to editorial instructions

Cl **1**   *SC* **1.5**   *P* **20**   *L* **30**   # 26

Lusted, Kent   Intel Corporation

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

The use of the abbreviation "PON" for Passive Optical Network is used 392 times in the current draft. However, the term is not listed as a abbreviation in Clause 1.5. Given the pervasive use of "PON", add it as an abbreviation.

SuggestedRemedy

Add "PON: Passive Optical Network" to Clause 1.5.

Response   *Response Status* **W**

ACCEPT.

Cl **1**   *SC* **1.5**   *P* **20**   *L* **31**   # 47

Grow, Robert   RMG Consulting

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

We do have some acronyms with numbers, so order is alphanumeric.

SuggestedRemedy

Insert the following new abbreviations into the list, in alphanumeric order:

Response   *Response Status* **C**

ACCEPT.

Cl **45**   *SC* **45.2.1**   *P* **23**   *L* **3**   # 16

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

Header is missing space between 45.2.1 and PMA/MD

SuggestedRemedy

Add space between section number and PMA/PMD registers

Response   *Response Status* **C**

ACCEPT.

Cl **45**   *SC* **45.2.1**   *P* **23**   *L* **5**   # 30

Marris, Arthur   Cadence Design Systems

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

802.3cd was published in 2018

SuggestedRemedy

Throughout the document change 802.3cd to "802.3cd-2018"

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line   *Cl* **45**   Page 6 of 17
SC **45.2.1**   5/14/2021 11:13:29 AM

Cl **45**　　　*SC* **45.2.1**　　　　　　　*P* **23**　　　*L* **5**　　　　# 66

Wienckowski, Natalie　　　　　General Motors

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

cg was published in 2019

SuggestedRemedy

Change: IEEE 802.3cg-201x
To: IEEE 802.3cg-2019
And P26L21

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **45**　　　*SC* **45.2.1**　　　　　　　*P* **23**　　　*L* **5**　　　　# 67

Wienckowski, Natalie　　　　　General Motors

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

cd was published in 2019

SuggestedRemedy

Change: IEEE 802.3cd
To: IEEE 802.3cd-2018
And P26L20

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **45**　　　*SC* **45.2.1**　　　　　　　*P* **23**　　　*L* **13**　　　# 63

Wienckowski, Natalie　　　　　General Motors

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

Why are some unchanged rows included? Why isn't there a merged row with elipses at the end of the table?

SuggestedRemedy

Delete the 2nd through 5th rows in the table shown as they aren't changed. Add a row after the last row with the cells merged and put an elipses in it.
Update the editorial instruction to say (unchanged rows not shown).

Response　　　　　*Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment #95

Cl **45**　　　*SC* **45.2.1**　　　　　　　*P* **23**　　　*L* **13**　　　# 95

Anslow, Pete　　　　　Independent

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

The rows that are not changed in Table 45-3 should not be shown.
Cross-reference missing in the row for 1.1003

SuggestedRemedy

Remove body rows 2, 3, 4, and 5 from the table.
Add an ellipsis row after the existing last row.
Add a cross-reference to 45.2.1.134b in the Subclause column of the row for 1.1003

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **45**　　　*SC* **45.2.1**　　　　　　　*P* **23**　　　*L* **19**　　　# 15

Zimmerman, George　　　　　CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

Table 45-3 entry for 1.1003 is missing the subclause entry

SuggestedRemedy

Add 45.2.1.134b to subclause for 1.1003

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **45**　　　*SC* **45.2.1**　　　　　　　*P* **23**　　　*L* **19**　　　# 52

Nicholl, Shawn　　　　　Xilinx

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

Table 45-3 row "1.1003" is missing an entry in the Subclause column

SuggestedRemedy

Propose to add "45.2.1.134b" in the Subclause column for the row corresponding to register address 1.1003

Response　　　　　*Response Status* **W**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general　　　*Cl* **45**　　　Page 7 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn　　*SC* **45.2.1**　　　5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **45**   *SC* **45.2.1.23a**   *P* **23**   *L* **23**   # 31

Marris, Arthur   Cadence Design Systems

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

Editing instruction should be "Change"

SuggestedRemedy

Change editing instruction to: "Change 45.2.1.23a as modified by IEEE Std 802.3ca-2020 as follows:"

Response   *Response Status*   **C**

ACCEPT.

Cl **45**   *SC* **45.2.1.23a**   *P* **23**   *L* **23**   # 17

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

"Update" isn't an editing instruction - "Change" is, and 45.2.1.23a was inserted by IEEE 802.3ca; However, also, this instruction isn't changing the main clause, but the subclauses.

SuggestedRemedy

Change editing instruction to "Change 45.2.1.23a, inserted by IEEE Std 802.3ca-2020:"

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

See comment #31

Cl **45**   *SC* **45.2.1.23a**   *P* **23**   *L* **23**   # 49

Grow, Robert   RMG Consulting

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

Incorrect editing instruction ("update" is not a defined instruction).

SuggestedRemedy

Change 45.2.1.23a (inserted by IEEE Std 802.3ca-2020) as follows:

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

See comment #31

Cl **45**   *SC* **45.2.1.23a.1**   *P* **23**   *L* **31**   # 50

Grow, Robert   RMG Consulting

Comment Type   **ER**   *Comment Status*   **A**

Base text is not as published in IEEE Std 802.3ca-2020 (i.e., line 31).

SuggestedRemedy

Update with correct base text.

Response   *Response Status*   **W**

ACCEPT.

Cl **45**   *SC* **45.2.1.23a.2**   *P* **23**   *L* **39**   # 51

Grow, Robert   RMG Consulting

Comment Type   **ER**   *Comment Status*   **A**

If a change, this subclause should not reuse a sublcause number in IEEE Std 802.3ca-2020.

SuggestedRemedy

Renumber to 45.2.1.23a.1a.

Response   *Response Status*   **W**

ACCEPT.

Cl **45**   *SC* **45.2.1.23a.2**   *P* **23**   *L* **40**   # 96

Anslow, Pete   Independent

Comment Type   **ER**   *Comment Status*   **A**

Clause 45 level 5 headings about bit functions always contain the bit numbers.

SuggestedRemedy

Change the heading from:
"Super-PON PMA/PMD transmit channel" to:
"Super-PON PMA/PMD transmit channel (1.29.9:6)"

Response   *Response Status*   **W**

ACCEPT.

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

Cl **45**
SC **45.2.1.23a.2**

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Cl **45**   *SC* **45.2.1.23a.2**   *P* **23**   *L* **40**   # 53

Nicholl, Shawn   Xilinx

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

Missing the bit references in 45.2.1.23a.2 heading.

SuggestedRemedy

Propose to change "45.2.1.23a.2 Super-PON PMA/PMD transmit channel" to "45.2.1.23a.2 Super-PON PMA/PMD transmit channel (1.29.9:6)"

Response   *Response Status* **W**

ACCEPT.

Cl **45**   *SC* **45.2.1.23a.2**   *P* **23**   *L* **42**   # 18

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

"The Super-PON PMA/PMD operating transmit channel (see 164.2.2) is selected using bits 9 to 6." says nothing about how the transit channel is encoded, and 164.2.2 only gives hints from Table 164-1. From these, and 45.2.1.134b.5 that this is a 4 bit number, 0 to 15.

SuggestedRemedy

Insert new second sentence (after "9 to 6."), "The Super-PON operating transmit number is a four-bit number, 0 to 15, represented by bits 9 to 6, as an unsigned integer with bit 9 the most significant bit."

Response   *Response Status* **W**

ACCEPT.

Cl **45**   *SC* **45.2.1.134b**   *P* **25**   *L* **27**   # 97

Anslow, Pete   Independent

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

In the last row of Table 45-103b, "1.1003.2:0" should be "1.1003.3:0"

SuggestedRemedy

In the last row of Table 45-103b, change "1.1003.2:0" to "1.1003.3:0"

Response   *Response Status* **C**

ACCEPT.

Cl **45**   *SC* **45.2.1.134b.5**   *P* **26**   *L* **11**   # 65

Wienckowski, Natalie   General Motors

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

Only new text that is a "change" should be underlined. The whole section is inserted.

SuggestedRemedy

Remove the underline under 164.2.2. Also on P26L16.

Response   *Response Status* **C**

ACCEPT.

Cl **45**   *SC* **45.2.1.231.3**   *P* **23**   *L* **40**   # 64

Wienckowski, Natalie   General Motors

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

It isn't clear that 45.2.1.23a.3 used to be 45.2.1.23a.2 in the IEEE Std 802.3ca-2020. The numbering used doesn't match the instrucions for inserted clause numbering.

SuggestedRemedy

Change 45.2.1.23a.2 to 45.2.1.23a.2.a and Change 45.2.1.23a.3 back to 45.2.1.23a.2 as it was in ca.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment #51

Cl **45**   *SC* **45.2.3.8.ba**   *P* **28**   *L* **5**   # 98

Anslow, Pete   Independent

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

IEEE Std 802.3ca-2020 has already extended the bit range for "PCS type selection" to 3.7.4:0, so this should not be shown as a change here.

SuggestedRemedy

Remove the change marks for the changes to this table already made by IEEE Std 802.3ca-2020

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **45**   Page 9 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **45.2.3.8.ba**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **45** *SC* **45.2.3.8.bb** *P* **28** *L* **51** # 99

Anslow, Pete Independent

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

"25/10GBASE-SP PCS type" should be "10/2.5GBASE-SP PCS type" (2 places)

SuggestedRemedy

Change "25/10GBASE-SP PCS type" to "10/2.5GBASE-SP PCS type" (2 places)

Response *Response Status* **C**

ACCEPT.

Cl **45** *SC* **45.2.3.41** *P* **29** *L* **17** # 69

Wienckowski, Natalie General Motors

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

There should not be empty table rows.

SuggestedRemedy

Delete one of the empty rows. Merge the cells in the other row and put an elipses in it.

Response *Response Status* **C**

ACCEPT.

Cl **45** *SC* **45.2.3.41** *P* **29** *L* **19** # 33

Marris, Arthur Cadence Design Systems

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

The entries in Table45-213 are blank

SuggestedRemedy

Either delete the table body so just the changes to the table title are shown or fill the table in

Response *Response Status* **W**

ACCEPT IN PRINCIPLE.

See comment #69

Cl **45** *SC* **45.2.3.42** *P* **29** *L* **40** # 70

Wienckowski, Natalie General Motors

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

There is a row with content, so I assume there were changes, but no changes are marked.

SuggestedRemedy

Clearly mark the changes to be made with underline and strikethrough in the table rows.

Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

Remove unchanged rows in the table.

Cl **45** *SC* **45.2.3.43** *P* **30** *L* **10** # 71

Wienckowski, Natalie General Motors

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

There is a row with content, so I assume there were changes, but no changes are marked.

SuggestedRemedy

Clearly mark the changes to be made with underline and strikethrough in the table rows.

Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

Changes are on page 30, lines 13 and 16 and marked with underline already. Remove
unchanged rows in the table.

Cl **45** *SC* **45.2.3.44** *P* **30** *L* **35** # 72

Wienckowski, Natalie General Motors

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

There is a row with content, so I assume there were changes, but no changes are marked.

SuggestedRemedy

Clearly mark the changes to be made with underline and strikethrough in the table rows.

Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

Changes are on page 30, lines 37 and 41 and marked with underline already. Remove
unchanged rows in the table.

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

Cl **45**
SC **45.2.3.44**

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5/14/2021 11:13:29 AM

Cl **45**	*SC* **45.2.3.45a.12**	*P* **34**	*L* **1**	#	56

Lewis, Jon   Dell

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

blank page

SuggestedRemedy

remove blank page

Response   *Response Status* **C**

ACCEPT.

Cl **45**	*SC* **Table 45-3**	*P* **23**	*L* **13**	#	48

Grow, Robert   RMG Consulting

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

Unnecessary rows included,

SuggestedRemedy

Only include the bottom two rows.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment #95

Cl **56**	*SC* **56.1**	*P* **35**	*L* **13**	#	19

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

Figure 56-5b should be an active cross reference

SuggestedRemedy

make "Figure 56-5b" an active cross reference.

Response   *Response Status* **C**

ACCEPT.

Cl **56**	*SC* **56.1.2**	*P* **35**	*L* **28**	#	74

Wienckowski, Natalie   General Motors

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

Item c) was added by ca so a reference to this is needed.

SuggestedRemedy

In the editorial instructions Add: (as modified by IEEE Std 802.3ca-2020)

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

See comment #90

Cl **56**	*SC* **56.1.2**	*P* **35**	*L* **29**	#	90

Huber, Tom   Nokia

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

Since the item being added is item d), clearly EFM supports more than two systems.
Moreover, 802.3ca already modified this introductory sentence to add a third system.

SuggestedRemedy

Change the editing instruction to say "Change the first paragraph and lettered list in 56.1.2
(as modified by 802.3ca) as follows:"
Change the end of the sentence introducing the bullet list to align with the text in 802.3ca
by replacing "two systems" with "the following systems"

Response   *Response Status* **C**

ACCEPT.

Cl **56**	*SC* **56.1.3**	*P* **38**	*L* **4**	#	100

Anslow, Pete   Independent

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

In the heading row for Table 56-3, "200" should be "164"

SuggestedRemedy

In the heading row for Table 56-3, change "200" to "164"

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **56**   Page 11 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **56.1.3**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **56**   *SC* **56.1.3**   *P* **38**   *L* **5**   # 25

Ewen, John   Marvell

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

Incorrect clause reference in Table 56-3

SuggestedRemedy

Change "200" to "164"

Response   *Response Status* **C**

ACCEPT.

Cl **67**   *SC* **67**   *P* **39**   *L* **6**   # 20

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

Editing instruction should be Insert, not "Add", and unchanged rows are not shown.

SuggestedRemedy

Change editing instruction to "Insert new row at end of existing Table 67-1 as follows (unchanged rows not shown):"

Response   *Response Status* **C**

ACCEPT.

Cl **67**   *SC* **67.2**   *P* **39**   *L* **22**   # 21

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

Editing instruction should be Insert, not "Add" (note - I am making this comment to catch this repeated issue, and will not further comment on it unless the form of the editing instruction gets complex in the resolution).

SuggestedRemedy

Change editing instruction to "Insert" from "Add" - editor to scrub document for editing instructions which say other than "Insert", "Change", "Delete", or "Replace" as detailed on page 19, lines 35 to 43.

Response   *Response Status* **C**

ACCEPT.

Cl **164**   *SC* **164**   *P* **40**   *L* **1**   # 22

Zimmerman, George   CME Consulting/ADI, APL Gp, Cisco, CommScope,

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

Missing editing instruction

SuggestedRemedy

add editing instruction "Insert Clause 164 and Annexes 164A, 164B, and 164C as follows:"

Response   *Response Status* **C**

ACCEPT.

Cl **164**   *SC* **164.1**   *P* **40**   *L* **42**   # 36

Gorshe, Steve   Microchip Technology

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

The use of "multiplexed" twice in this sentence could be confusing, especially since this paragraph is talking about the downstream direction, ("getting to the ODN fiber").

SuggestedRemedy

It may be cleaner/clearer to say "are multiplexed, amplified and finally multiplexed combined with the upstream wavelengths…"

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Use the following text "are multiplexed, amplified and finally combined with the upstream wavelengths"

Cl **164**   *SC* **164.1**   *P* **41**   *L* **3**   # 91

Huber, Tom   Nokia

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

The wording with "from… to … going through …" is a bit awkward.

SuggestedRemedy

Change "… a variety of implementations are possible for ONUs, from ONUs supporting a single channel, to fully tunable ONUs able to support all channels, going through partially tunable ONUs able to support a contiguous subset of the defined channels."
to
"... a variety of implementations are possible for ONUs, including ONUs that support a single channel, fully tunable ONUs able to support all channels, and partially tunable ONUs that support a contiguous subset of the defined channels."

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **164**   Page 12 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **164.1**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **164**   *SC* **164.2.2**   *P* **41**   *L* **35**   # 75

Wienckowski, Natalie   General Motors

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

Tables can't have empty cells.

SuggestedRemedy

In all blank table cells put an Em dash.
Also P50L8

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.2.2**   *P* **41**   *L* **39**   # 27

Lusted, Kent   Intel Corporation

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

The table 164-1 Super-PON PMD naming convention has a note (b) associated with parameter "g", the PMD FSR set. The table says that the allowed values are [1,2] while the note says "This amendment defines the use of FSR set 1. FSR set 2 is reserved for a future amendment". And table Table 164-4 on page 47, line 6 has values for FSR set 2. Therefore, the note (b) contradicts the document.

SuggestedRemedy

Either update the note (b) for Table 164-1 or remove the FSR set 2 content from the document.

Response   *Response Status*   **W**

ACCEPT IN PRINCIPLE.

Remove footnote b)

Cl **164**   *SC* **164.2.4.2**   *P* **44**   *L* **45**   # 92

Huber, Tom   Nokia

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

The term 'black link approach' was defined in P802.3ct; the applicability of the definition to P802.3cs should be considered. The existing definition (from 802.3ct) assumes each direction of transmission has its own TP2 and TP3, whereas in this clause downstream uses TP2/TP3 while upstream uses TP6/TP7. The existing definition also references the term 'DWDM channel', which also only refers to TP2/TP3.

SuggestedRemedy

Modify the definitions of "black link approach" and "DWDM channel" to include TP6 and TP7 also:
.
Insert a new editing instruction to update 1.4.160a, as inserted by P802.3ct, to read:

1.4.160a black link approach: The specification of the input, output, and transfer characteristics of the unidirectional transmission path from TP2 to TP3 or from TP6 to TP7 for a given DWDM channel within a DWDM black link, without specifying how the transmission path is implemented. (See, for example, IEEE Std 802.3, Clause 154, Figure 154–3)

Insert a new editing instruction to udpate 1.4.237b to read as follows:

1.4.237b DWDM channel: DWDM channel: The transmission path from a transmitting DWDM PHY (TP2 or TP6) to a receiving DWDM PHY (TP3 or TP7).

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.2.4.2**   *P* **44**   *L* **45**   # 35

Gorshe, Steve   Microchip Technology

Comment Type   **ER**   *Comment Status*   **A**

The term "black link" is used in several places in the draft. It is nominally introduced in section 164.2.4.2 (pp. 44, line 45), but not defined. This is an ITU-T term and it's meaning may not be familiar to readers of IEEE 802.3.

SuggestedRemedy

It would be a good idea to explain the concept here, including that "black link" comes conceptually from "black box." The ITU-T definition can be found in clause 5.1 of ITU-T Recommendation G.698.1 or G.698.2, and an appropriate paraphrase of that definition should be added here.

Response   *Response Status*   **W**

ACCEPT IN PRINCIPLE.

See comment #92

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

Cl **164**
SC **164.2.4.2**

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5/14/2021 11:13:29 AM

Cl **164**   *SC* **164.2.9.3**   *P* **51**   *L* **40**   *#* 28

Lusted, Kent   Intel Corporation

Comment Type **TR**   *Comment Status* **R**

The text specifies that the center wavelength measurement is with "appropriate PRBS or a valid Super-PON signal, or another representative test pattern". Yet, there is no point to which PRBS patterns are appropriate nor what constitutes a representative test pattern. This makes is difficult if not impossible to correlate test results among different suppliers because the term "appropriate" and "representative" is subjective.

SuggestedRemedy

Explicitly state which PRBS patterns or other test patterns may be used for the measurement.

Response   *Response Status* **W**

REJECT.

The text was copied (with minor reference updates) from the approved IEEE Std 802.3ca-2020. No changes to current draft text are deemed necessary.

Cl **164**   *SC* **164.2.9.12.1**   *P* **53**   *L* **8**   *#* 76

Wienckowski, Natalie   General Motors

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

subject/verb agreement

SuggestedRemedy

Change: The data transmitted may be any valid 256B/257B symbols.
To: The data transmitted may be any valid 256B/257B symbol.
Also on P54L32

Response   *Response Status* **C**

ACCEPT.

Cl **164**   *SC* **164.2.9.12.1**   *P* **53**   *L* **38**   *#* 77

Wienckowski, Natalie   General Motors

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

typo - that should be than

SuggestedRemedy

Change: is considerably shorter that the Ton value under measurement.
To: is considerably shorter than the Ton value under measurement.

Response   *Response Status* **C**

ACCEPT.

Cl **164**   *SC* **164.2.9.12.2**   *P* **53**   *L* **41**   *#* 78

Wienckowski, Natalie   General Motors

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

This is not a complete sentence. I provided a suggestion, but I don't know if this is the goal of adjusting the delay or not.

SuggestedRemedy

Change: The delay to the scope trigger is adjusted until the point that the received signal meets all its specified conditions.
To: The delay to the scope trigger is adjusted until the point that the received signal meets all its specified conditions is located at zero.

Response   *Response Status* **C**

REJECT.

The sentence is complete as it is right now. The text was copied verbatim from the approved IEEE Std 802.3ca-2020. No changes to the draft needed.

Cl **164**   *SC* **164.2.9.12.2**   *P* **53**   *L* **44**   *#* 79

Wienckowski, Natalie   General Motors

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

I'm not sure what it means to "reassure conformance".

SuggestedRemedy

Change: reassuring conformance 15% of the steady state values.
To: measuring conformance from 15% of the steady state values.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Align with https://www.ieee802.org/3/maint/requests/maint_1319.pdf and change "reassuring" to "ensuring".

Cl **164**   *SC* **164.2.9.12.2**   *P* **53**   *L* **45**   *#* 80

Wienckowski, Natalie   General Motors

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

strange use of the word conformed

SuggestedRemedy

Change: Notice that only the steady state optical OFF power must be conformed when measuring
To: Notice that only the steady state optical OFF power must be verified when measuring

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **164**   Page 14 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **164.2.9.12.2**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **164**   *SC* **164.2.9.13.1**   *P* **54**   *L* **28**   # 81

Wienckowski, Natalie   General Motors

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

Extraneous words that may cause confusion. A moment is 90 seconds long.

SuggestedRemedy

Change: rx_settling is defined to be the time between the moment when the optical power
at TP7 (as in Figure 164–6) reaches the conditions specified in 164.2.9.12.1 for Ton and
the moment after which the electrical
Change: rx_settling is defined to be the time between when the optical power at TP7 (as in
Figure 164–6) reaches the conditions specified in 164.2.9.12.1 for Ton and when the
electrical

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.2.9.13.2**   *P* **55**   *L* **36**   # 82

Wienckowski, Natalie   General Motors

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

Noun/pronoun agreement - parameters are plural and its is singular

SuggestedRemedy

Change: parameters of the reference transmitter, at TP6 and therefore at TP7, reach
within 15% of its steady state
To: parameters of the reference transmitter, at TP6 and therefore at TP7, reach within
15% of their steady state

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.2.9.13.2**   *P* **55**   *L* **43**   # 83

Wienckowski, Natalie   General Motors

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

Incorrect use of "especially"

SuggestedRemedy

Change: Especially the Trx_settling
time must be met
To: Specifically, the Trx_settling
time must be met

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.2.9.13.2**   *P* **55**   *L* **50**   # 84

Wienckowski, Natalie   General Motors

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

SuggestedRemedy

Change "assuring" to "verifying"

Response   *Response Status*   **C**

ACCEPT IN PRINCIPLE.

Align with https://www.ieee802.org/3/maint/requests/maint_1319.pdf and change "assuring"
to "ensuring".

Cl **164**   *SC* **164.2.9.21**   *P* **56**   *L* **35**   # 85

Wienckowski, Natalie   General Motors

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

Incorrect article

SuggestedRemedy

Change: A ONU
To : An ONU

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.2.9.22**   *P* **56**   *L* **43**   # 86

Wienckowski, Natalie   General Motors

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

Not a complete sentence. Seems to be a definiation of the title.

SuggestedRemedy

Change: Maximum difference in optical insertion loss between all channels over upstream
wavelengths.
To: The maximum power excursion is the maximum difference in optical insertion loss
between all channels over upstream wavelengths.

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **164**   Page 15 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **164.2.9.22**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **164**   *SC* **164.2.9.23**   *P* **56**   *L* **47**   # 87

Wienckowski, Natalie   General Motors

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

Not a complete sentence. Seems to be a definiation of the title.

SuggestedRemedy

Change: Maximum allowed change in gain/loss of the ODN in the upstream direction
To: The burst-mode gain excursion is the maximum allowed change in gain/loss of the ODN in the upstream direction

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.2.12.9**   *P* **62**   *L*   # 37

Gorshe, Steve   Microchip Technology

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

Is there any intention of filling in the "Value/Comment" column?

SuggestedRemedy

Following the links to the subclauses seems to indicate that this information could be added to several of the rows.

Response   *Response Status*   **C**

REJECT.

The "Value/Comment" column does not need to be filled in (not mandatory). No change to draft needed.

Cl **164**   *SC* **164.3.5**   *P* **70**   *L* **1**   # 55

Lewis, Jon   Dell

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

Title for PICS has incorrect reference

SuggestedRemedy

replace "r 200A.1" with "164.3"

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.3.5**   *P* **70**   *L* **1**   # 101

Anslow, Pete   Independent

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

In the heading for 164.3.5, "200A.1" should be a cross reference to "164.3"

SuggestedRemedy

In the heading for 164.3.5, change "200A.1" to a cross reference to "164.3"

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.4.5.2**   *P* **79**   *L* **1**   # 106

DeSanti, Claudio   Dell Technologies

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

Heading: change it from "Generic RS" to "Generic MCRS"

SuggestedRemedy

as suggested

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.5.3.6.3**   *P* **83**   *L* **43**   # 102

DeSanti, Claudio   Dell Technologies

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

Incorrect table number

SuggestedRemedy

it should be table 164-11

Response   *Response Status*   **C**

ACCEPT.

Cl **164**   *SC* **164.5.3.6.6**   *P* **84**   *L* **37**   # 103

DeSanti, Claudio   Dell Technologies

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

Incorrect table number

SuggestedRemedy

it should be table 164-12

Response   *Response Status*   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **164**   Page 16 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **164.5.3.6.6**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line

Cl **164**   *SC* **164.5.3.9.1**   *P* **88**   *L* **15**   *#* 104

DeSanti, Claudio   Dell Technologies

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

Incorrect table number

SuggestedRemedy

it should be table 164-13

Response   *Response Status* **C**

ACCEPT.

Cl **164**   *SC* **164.5.3.9.2**   *P* **89**   *L* **4**   *#* 105

DeSanti, Claudio   Dell Technologies

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

Incorrect table number

SuggestedRemedy

it should be table 164-14

Response   *Response Status* **C**

ACCEPT.

Cl **many**   *SC* **many**   *P* **many**   *L*   *#* 34

Gorshe, Steve   Microchip Technology

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

While "Super-PON" is a great name for the project and Task Force, is it the best name to
use in the 802.3 text? Using this term may causes problems with future higher PON
extensions. For example, is the next higher capacity enhancement to be called something
like "Super-Duper-PON"?

SuggestedRemedy

Perhaps, per the definition used in the draft, it would be better to refer it to as something
like "AWDM-PON" for amplified WDM PON.

Response   *Response Status* **C**

REJECT.

The term "Super-PON" is used in the project PAR
(https://www.ieee802.org/3/cs/P802_3cs_PAR.pdf) as shown below

2.1 Title: Standard for EthernetAmendment: Physical Layers and management parameters
for increased-reach point-to-multipoint Ethernet optical subscriber access (Super-PON)

No changes to the draft needed.

Cl **Table**   *SC* **Table 45–26a**   *P* **24**   *L* **11**   *#* 32

Marris, Arthur   Cadence Design Systems

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

Should leave bits 6 and 7 reserved in case more PMA/PMDs are specified in the future

SuggestedRemedy

Change "1.29.9:6" to "1.29.11:8"

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Change "1.29.9:6" to "1.29.14:11"

Implement this comment *after* implementing changes per #96 and #18

Update table and reserved space rows accordingly.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **Table**   Page 17 of 17
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **Table 45–26a**   5/14/2021 11:13:29 AM
SORT ORDER: Clause, Subclause, page, line