

Proposed Responses

IEEE P802.3ca D1.5 25/50G-EPON Task Force 6th Task Force review comments

Cl **FM** SC **FM** P2 L16 # 480
 Remein, Duane Futurewei Technologie
 Comment Type **E** Comment Status **D** bucket
 This is the only case of Point to Multipoint in the draft.
 SuggestedRemedy
 Replace with Point-to-multipoint.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Cl **45** SC **45.2.3** P38 L17 # 482
 Remein, Duane Futurewei Technologie
 Comment Type **ER** Comment Status **D** bucket
 The entry "45.2.1.45a" in Table 45-176 should be "45.2.3.45a" and a live link.
 SuggestedRemedy
 per comment
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Cl **45** SC **45.2.3.8** P40 L4 # 483
 Remein, Duane Futurewei Technologie
 Comment Type **E** Comment Status **D** bucket
 IEEE Std 802.3cb-2018 changed table 45-182 Bit(s) from 3.9.15:3 to 3.9.15:4. This should be reflected in our draft.
 SuggestedRemedy
 Change the crossed out 3 to a crossed out 4 in the first row of table 45-182
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Cl **45** SC **45.2.3.45a.2** P42 L45 # 485
 Remein, Duane Futurewei Technologie
 Comment Type **E** Comment Status **D** bucket
 "When bit this bit is set" is a bit overstated. Same error at pg 43 line 3 and 17.
 SuggestedRemedy
 Change to "When this bit is set"
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Comment is against line 45, not 44. Fixed.
 Cl **56** SC **56.1.3** P49 L25 # 487
 Remein, Duane Futurewei Technologie
 Comment Type **E** Comment Status **D** bucket
 I believe Clause 141 defined more than one PMD.
 SuggestedRemedy
 Change
 "All these systems employ the PMD defined in" to
 "All these systems employ a PMD defined in"
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Cl **56** SC **56.1.3** P49 L35 # 488
 Remein, Duane Futurewei Technologie
 Comment Type **E** Comment Status **D** bucket
 There is a stray character (possibly an underlined space) at the end of this para.
 SuggestedRemedy
 Remove the stray character(s).
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

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Cl 56 SC 56.1.3 P53 L1 # 489
 Remein, Duane Futurewei Technologie
 Comment Type ER Comment Status D bucket
 Table 56-4 is not clear with all the "XXXX" everywhere. Use the same insertion style that is used a clause 45 without the "XXXX"x. Note that this table is being inserted and therefore does not need any mark-up.
 SuggestedRemedy
 Remove all markup from table 56-4 (title and table proper).
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 141 SC 141.1.1 P54 L14 # 490
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 141.1.1 Terminology and conventions what of 142.1.1 Conventions, 143.3.3.1 Conventions, 143.3.4.1 Conventions and 144.1.6 Conventions?
 Should we have a convention convention? OR perhaps a convention for Conventions?
 SuggestedRemedy
 Change 141.1.1 to just "Terminology"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 141 SC 141.3.1.5 P61 L43 # 497
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 signal names should not cross a line as in "PMD_global_signal_detect". Make the signal name non-breaking.
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 142 SC 142.1.3 P88 L27 # 508
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Are these zones or elements? "Each SP element ... "
 SuggestedRemedy
 Change "Each SP element" to "Each zone"
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Change "Each SP element" to "Each SP zone"

Cl 142 SC 142.1.3 P88 L34 # 509
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Remove the editor's note. Discovery operations are well addressed in the draft and no additional details are needed in this overview section.
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 142 SC 142.2.1 P90 L48 # 511
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 The following statement is redundant with the last ending sentence of the para preceding just before this one. "The PCS bit transmission order is illustrated in Figure 142-5."
 SuggestedRemedy
 Strike and remove the redundant statement.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 142 SC 142.2.4.2 P95 L53 # 513
 Remein, Duane Futurewei Technologie
 Comment Type ER Comment Status D bucket
 Is the one double quoted u" (and p" on pg 96) correct?
 SuggestedRemedy
 Change to double prime (pg/ln: 95/52, 96/34, 96/35, 95/36, 96/42 (x2))
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 142 SC 142.2.5.2 P103 L7 # 460
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 The following variables should be italicized.
 Pg 103 line 7 "TxFifo[]"
 Pg 103 line 11 "ParityLeft"
 Pg 103 line 16 "PayloadLeft"
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 142 SC 142.2.5.3 P104 L36 # 461
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Missing articles.
 SuggestedRemedy
 Change
 "data received from xMII" to
 "data received from the xMII"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 142 SC 142.2.5.4.3 P105 L34 # 462
 Remein, Duane Futurewei Technologie
 Comment Type ER Comment Status D bucket
 True or true (we are again using both). 30 instances of true 6 of True. Same if true for false/False (but only one False).
 SuggestedRemedy
 Pick one and be consistent.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

Cl 142 SC 142.2.5.4.3 P105 L36 # 463
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Grammar
 SuggestedRemedy
 Change:
 "and data is being sent towards the PMA for transmission" to
 "and the data is sent towards the PMA for transmission"
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

Cl 142 SC 142.3 P105 L48 # 464
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Unclosed parenthetical
 SuggestedRemedy
 Change
 "(25/25G-EPON, 50/25G-EPON, and 50/50G-EPON" to
 "(25/25G-EPON, 50/25G-EPON, and 50/50G-EPON)"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 143 SC 143.1 P119 L10 # 478
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Don't need to callout the same figure 2x in one para
 SuggestedRemedy
 Strike "(see Figure 143-1)"
 Proposed Response Response Status W
 PROPOSED ACCEPT.
 Wrong Clause (was 141, corrected to 143)

Cl 143 SC 143.1 P119 L46 # 479
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 We SHOULD have a convention for Conventions! They should all be in the Overview.
 SuggestedRemedy
 Move 143.3.3.1 Conventions, 143.3.4.1 Conventions to 143.1.1 Conventions.
 We can leave 144.1.6 at it's low priority in Cl 144.1 Overview
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Move 143.3.3.1 Conventions, 143.3.4.1 Conventions, and 144.1.6 Conventions to 143.1.1 Conventions (single instance for all clause).

Cl 143 SC 143.3.2 P132 L38 # 543
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 The xRef to Table 143-3 should not cross the line.
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 143 SC 143.3.3.3 P135 L49 # 545
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Style, ADJ_BLOCK_SIZE s/b in italics in description.
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 143 SC 143.3.3.3 P135 L51 # 546
 Remein, Duane Futurewei Technologie
 Comment Type ER Comment Status D bucket
 Is there some real good reason to send the reader in an reef wild goose chase?
 SuggestedRemedy
 Change "(see 143.3.3.2)" to "(For Nx25G-EPON see 143.4.1.3)".
 Do the same at the following locations (Pg/Line): 136/14, 136/34.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 143 SC 143.3.3.3 P136 L39 # 549
 Remein, Duane Futurewei Technologie
 Comment Type ER Comment Status D bucket
 We are very inconsistent with the use of "ch" and "c" and seem to use these two variables interchangeable and/or without definition (for "c" anyway). I would like to suggest we adopt one and use it consistently. However, this is probably better left until after getting into WG Ballot so I will withdraw this comment against D1.5 (assuming we intent to go to WG ballot with 1.6).
 Note there are 16 instances of "[c]" and 27 of "[ch]" with possible a few other variants of each so I will probably suggest changing "c" to "ch".
 We are also quite inconsistent with including the [x] (where x = ch, c or something else) in variable definitions.
 SuggestedRemedy
 If anyone has an objection to this please voice it now.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Replace all "c" designators of channel with "ch"

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Cl 143 SC 143.3.4.3 P144 L51 # 557
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 "from a xMII"
 SuggestedRemedy
 change to "from an xMII"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 143 SC 143.4.1.1 P150 L26 # 621
 Kramer, Glen Broadcom
 Comment Type E Comment Status D bucket
 New line character is missing before "The 50/50G-EPON architecture..." and before "When two channels..."
 SuggestedRemedy
 Add two new line characters. Also move the paragraph on lines 31-34 to be after the Table 143-7.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 143 SC 143.4.2 P151 L43 # 564
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 What is so special about "Time" in "MCRS Time synchronization"?
 SuggestedRemedy
 use lower case
 Proposed Response Response Status W
 PROPOSED ACCEPT.
 Line is 43, not 41 (fixed)

Cl 143 SC 143.4.2 P151 L52 # 566
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 This sentence doesn't seem to flow with the para. "The following are the ONU rules for setting the EnvRx write and read pointers:"
 SuggestedRemedy
 Start it on a new para.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 143 SC 143.4.2 P152 L37 # 643
 Kramer, Glen Broadcom
 Comment Type ER Comment Status D bucket
 The following sentence on lines 37-38 is duplication of the sentence on lines 8-9:
 "In an unregistered ONU, upon every update of a write pointer associated with the receive channel with the lowest index, the read pointer is also updated according to the following equation:"
 The second sentence was not present in the accepted contribution.
 SuggestedRemedy
 Delete the sentence on lines 37-38.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 143 SC 143.4.2 P152 L44 # 569
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 "the delay any EQ experience" should be "the delay any EQ experiences"
 and
 "that this EQ encountered" should be "that this EQ encounters"
 and
 "two delays remain constant" should be "two delays remains constant"
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 144 SC 144.1 P156 L27 # 574
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Clause 141 does not define a PHY "Physical Layer devices defined in Clause 141"
 SuggestedRemedy
 Change to "Physical Layer devices defined in Clause 141 and Clause 142"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.1.1.2 P157 L26 # 518
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 MCRS has not yet been defined in this clause
 SuggestedRemedy
 change "MCRS (below the MAC)" to "Multi-Channel Reconciliation Sublayer (MCRS, below the MAC)"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.1.4 P159 L52 # 520
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Change "using service" to "using the service"
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.1.4.1 P160 L38 # 521
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 MAC Control Service (MCS) Interface or
 MAC Control Service (MCS) interface
 SuggestedRemedy
 Pick one and be consistent.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

Use "MAC Control Service (MCS) interface"
 Cl 144 SC 144.1.4.1 P160 L40 # 522
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Missing articles.
 SuggestedRemedy
 Change:
 "MCS interface is an interface between MAC Control sublayer and MAC Control Client above it (see Figure 144–3 and Figure 144–4). The definition and behavior of MAC Control Client is outside the scope of this standard." to:
 The MCS interface is an interface between the MAC Control sublayer and the MAC Control Client above it (see Figure 144–3 and Figure 144–4). The definition and behavior of the MAC Control Client is outside the scope of this standard.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 144 SC 144.2.1 P162 L12 # 529
 Remein, Duane Futurewei Technologie

Comment Type E Comment Status D bucket

Missing "the" or "The" in the following location s(pg/line/following text)
 162/12 "Control Parser"
 162/13 "Timestamp field"
 162/17 "Control Multiplexor"
 162.14 "timestamp drift"
 166/13 "REGISTER_REQ MPCPDU"
 166/13 "timestamp value"
 166/14 "MCRS_CTRL.request primitive"
 166/15 "Envelope Activation Process"
 174/2 "REPORT MPCPDU transmission"
 175/6 "LLID equal"
 187/27 "maximum delay the ONU"
 189/9 "DISC_PLID value."
 191/37 "unicast PLID and BCAST_PLID values,"
 193/29 "MsgEnvGroup is generated"
 200/29Change this:
 "MAC Control Client may monitor and react to the changes in the state of the downstream and/or upstream channels, allowing ONU notify the OLT of observed or expected channel state changes. For example, MAC Control Client may have ability to detect failure of one of channel receivers.
 To notify MAC Control Client at the OLT about a local channel state change, the Channel Control Protocol performs the following sequence of steps:" to this:
 "The MAC Control Client may monitor and react to the changes in the state of the downstream and/or upstream channels, allowing the ONU notify the OLT of observed or expected channel state changes. For example, the MAC Control Client may have ability to detect a failure of one of the channel receivers.
 To notify the MAC Control Client at the OLT about a local channel state change, the Channel Control Protocol performs the following sequence of steps:"
 200/37 "MAC Control Client at the ONU"
 200/40 "MAC Control Client in the OLT"
 200/42 "MAC Control Client in the OLT"

SuggestedRemedy

Add missing "the" or "The" as appropriate.

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.1.1 P165 L36 # 537
 Remein, Duane Futurewei Technologie

Comment Type E Comment Status D bucket

see 143.3.3.3 should be see 143.3.3.4 (2x in this para)

SuggestedRemedy

per comment

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.1.1 P166 L20 # 448
 Knittle, Curtis CableLabs

Comment Type ER Comment Status D bucket

"movement" should be "moment"

SuggestedRemedy

Replace "movement" with "moment"

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.1.1 P167 L20 # 575
 Remein, Duane Futurewei Technologie

Comment Type ER Comment Status D bucket

When did FTTH become a movement? "the movement when"

SuggestedRemedy

Change "movement to "moment"

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.1.1 P167 L21 # 449
 Knittle, Curtis CableLabs

Comment Type ER Comment Status D bucket

"movement" should be "moment"

SuggestedRemedy

Replace "movement" with "moment"

Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 144 SC 144.3.1.1 P167 L35 # 578
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 "All MPCPDUs send by the OLT on unicast PLID have the"
 SuggestedRemedy
 change to "All MPCPDUs sent by the OLT on unicast PLIDs have the"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.1.1 P167 L35 # 450
 Knittle, Curtis CableLabs
 Comment Type ER Comment Status D bucket
 "send" should be "sent"
 SuggestedRemedy
 Replace "send" with "sent"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.1.1 P168 L38 # 579
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 "This large difference detected" missing is
 SuggestedRemedy
 change to "This large is difference detected"
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 change to "This large difference is detected" (wrogn place for "is" was suggested)

Cl 144 SC 144.3.2.3 P169 L19 # 581
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 "an ONUs using" should be either "an ONU using" or "ONUs using"
 SuggestedRemedy
 change ONUs to ONU
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.2.3 P169 L20 # 451
 Knittle, Curtis CableLabs
 Comment Type ER Comment Status D bucket
 Extraneous 's' in "ONUs"
 SuggestedRemedy
 Remove the 's'
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.4 P170 L38 # 582
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 "Length/Type:" and "Opcode:" should be italicized as all other fields are. Alternatively in all either field definitions we could use non-italics.
 SuggestedRemedy
 Use Italics style.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.4.1 P171 L39 # 583
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 "envelope allocations with non-zero value of the LLID field"
 SuggestedRemedy
 change to "envelope allocations with a non-zero value for the LLID field"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 144 SC 144.3.4.3 P175 L10 # 586
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 The following field name should be in italics (pg/line name)
 175/10 "Opcode"
 180/50 "LLID"
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.5 P183 L34 # 589
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 This is a poor cross reference "see 144.3.4.7" given the previous explanation of SP1/2/3
 and FEC unprotected areas of US burst.
 SuggestedRemedy
 Change xRef to 143.1.3.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.3.5.5 P188 L24 # 595
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Italicize MsgBurstSync.Count
 SuggestedRemedy
 per comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.4.1 P198 L7 # 606
 Remein, Duane Futurewei Technologie
 Comment Type ER Comment Status D bucket
 What is meant here by the term "channel lineup"? Channel capability (which I would define
 as synonymous with channel lineup) is known through the Discovery process.
 SuggestedRemedy
 in 7 places change:
 "channel lineup" to
 "channel status"
 Locations (line): 7, 11, 14, 17, 20, 30, 33 (all pg 198)
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.4.1 P198 L8 # 607
 Remein, Duane Futurewei Technologie
 Comment Type ER Comment Status D bucket
 What is this "CCPDU"?
 SuggestedRemedy
 Defined this FLA before using it: "Channel Control PDU (CCPDU)"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 144 SC 144.4.1.5 P200 L30 # 612
 Remein, Duane Futurewei Technologie
 Comment Type E Comment Status D bucket
 Wording
 SuggestedRemedy
 Change:
 "allowing ONU notify the OLT" to
 "allowing the ONU to notify the OLT"
 Proposed Response Response Status W
 PROPOSED ACCEPT.