

IEEE P802.3bq D2.3 25G/40GBASE-T Ethernet 3rd Working Group recirculation ballot comments

Cl 00 SC 0 P L # 1
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 Now that the 802.3bx revision has been approved by the IEEE SASB, the "base_year" variable in all files should be changed from 201x to 2015
 SuggestedRemedy
 Change the "base_year" variable in all files from 201x to 2015 which should change all instances of "IEEE Std 802.3-201x" to "IEEE Std 802.3-2015"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 00 SC 0 P 00 L 0 # 91
 Thompson, Geoff GraCaSI S.A.
 Comment Type E Comment Status D EZ
 I have examined the draft for correct usage of the terms "MDI" and "MDI connector". All usage of those terms seems to be correct.
 SuggestedRemedy
 No change required.
 Proposed Response Response Status W
 PROPOSED ACCEPT.
 No change required.

Cl 113 SC 113.3.2.2 P 100 L 3 # 118
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Should list both parts of the PCS 64B/65B Transmit state diagram.
 SuggestedRemedy
 Suggest the text '... state diagram in Figure 113-18 and the ...' to read '... state diagram in Figure 113-18 and Figure 113-19, and to the ...'.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.2.5 P 103 L 12 # 125
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest the subscripts be removed from D0 through D2 as subscripts aren't used elsewhere in the figure.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.2.6 P 106 L 40 # 127
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest that '25GMII/XLGMII encodes a control ...' be changed to read 'The 25GMII/XLGMII encodes a control ...'.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.2.6 P 106 L 44 # 128
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Close brackets without open brackets.
 SuggestedRemedy
 Suggest that '... into a 7-bit C code).' be changed to read '... into a 7-bit C code.'.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 113 SC 113.3.2.2.11 P 109 L 16 # 129
 Law, David Hewlett Packard Enterp
 Comment Type T Comment Status D EZ
 This subclause states '... only valid on the first octet of the 25GMII (TXD<0:3> and RXD<0:3>) ...'. Is this correct, shouldn't these be 8 bits?
 SuggestedRemedy
 Suggest that '... only valid on the first octet of the 25GMII (TXD<0:3> and RXD<0:3>) ...' should read '... only valid on the first octet of the 25GMII (TXD<7:0> and RXD<7:0>) ...'.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.2.11 P 109 L 16 # 130
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest that '... TXD<0:7> and RXD<0:7>).' should read '... TXD<7:0> and RXD<7:0>).'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.2.11 P 109 L 17 # 131
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest that '... octet of TxD ...' should read '... octet of TXD ...'.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.2.13 P 109 L 33 # 49
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Space should be nonbreaking
 SuggestedRemedy
 See comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl FM SC FM P 11 L 28 # 2
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 This draft does not have the latest version of the Introduction text as per the latest 802.3 FrameMaker template.
 On line 28, "IEEE Std 802.3 is comprised of" should be "IEEE Std 802.3 is composed of"
 SuggestedRemedy
 Change "IEEE Std 802.3 is comprised of" to "IEEE Std 802.3 is composed of"
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Make suggested change AND
 Editor to confirm that latest version of introduction text is in use in the draft.

Cl FM SC P 11 L 3 # 60
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Update title to include 25 Gb/s operation in introductory text
 SuggestedRemedy
 See comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.2.15 P 110 L 5 # 132
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest that the actual title of the state diagram be used, and a cross reference added.
 SuggestedRemedy
 Suggest that the text '... as specified in the transmit process state diagram.' be changed to read '... as specified in the PCS 64B/65B Transmit state diagram (see Figure 113-17 and 113-18).'.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 113 SC 113.3.2.2.16 P 111 L 22 # 27
 Hajduczenia, Marek Bright House Network
 Comment Type E Comment Status D EZ
 "Block field (see Figure 113–10)"
 SuggestedRemedy
 make sure that "(see" starts in the second line - it is not very readable.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.2.20 P 115 L 22 # 52
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Hyphen should be nonbreaking
 SuggestedRemedy
 See comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.3 P 120 L 18 # 136
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest the text '... by setting the parameter scr_status to OK.' be changed to read '... by setting the scr_status parameter of the PMA_SCRSTATUS.request primitive to OK.'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.2.3 P 120 L 3 # 134
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Update the cross reference.
 SuggestedRemedy
 Suggest that the text '... in Figure 113–20 ...' be changed to read '... in Figure 113–20 and Figure 113–21 ...'.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.6.2.2 P 128 L 34 # 138
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Subclause 113.1.6 'Conventions in this clause' states that 'The notation used in the state diagrams follows the conventions of 21.5.' and IEEE Std 802.3 Table 21–1 'State diagram operators' defines 'Equals (a test of equality)' as '='.
 SuggestedRemedy
 Change the four instances of '==' to read '='.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.3.6.4 P 135 L 8 # 141
 Law, David Hewlett Packard Enterp
 Comment Type T Comment Status D EZ
 There seem to be three different formats used for when comparing T_TYPE(tx_raw) to a set of possible values On line 8 there is the example where the options are in brackets: 'T_TYPE(tx_raw) = (E + D + LI +T)'; on line 10 there is an example where they are not: 'T_TYPE(tx_raw) = C + LI'; and on line 16 the brackets are around the whole equation: 'T(T_TYPE(tx_raw) = C+LI)'. Suggest that the first example, where the options are listed in brackets where there is more than one, be used. And strictly speaking shouldn't these actually use the 'Indicates membership' character '∈' rather than the '=' character. If so the first example 'T_TYPE(tx_raw) = (E + D + LI +T)' would read 'T_TYPE(tx_raw) ∈ {E, D, LI, T}'.
 SuggestedRemedy
 Please use a consistent format when comparing T_TYPE(tx_raw) and R_TYPE(rx_coded) to a set of possible values
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl FM SC FM P 14 L 1 # 12
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 The task force name has not been changed in the header for even pages of the TOC file
 SuggestedRemedy
 Correct the task force name in the header for even pages of the TOC file
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 113 SC 113.4.2.4 P 144 L 35 # 142
 Law, David Hewlett Packard Enterp
 Comment Type **E** Comment Status **D** EZ
 Suggest that 'PMA Receive contains the ...' should read 'The PMA Receive function contains the ...'.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Cl 113 SC 113.4.5.1 P 157 L 5 # 145
 Law, David Hewlett Packard Enterp
 Comment Type **E** Comment Status **D** EZ
 Suggest that '... PMA Link Monitor and ...' should read '... PMA Link Monitor state diagram and ...'.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Cl 113 SC 113.4.2.4 P 144 L 39 # 143
 Law, David Hewlett Packard Enterp
 Comment Type **E** Comment Status **D** EZ
 Suggest that '... shall allow LFER of ...' should read '... shall allow a LFER than ...' (missing 'a').
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT IN PRINCIPLE.
 Insert "an" to read:
 "...shall allow an LFER of less than..."

Cl 113 SC 113.4.6.1 P 162 L 8 # 146
 Law, David Hewlett Packard Enterp
 Comment Type **E** Comment Status **D** EZ
 Mark the state box wide enough to fit the state name inside.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Cl 113 SC 113.4.2.5.3 P 147 L 10 # 56
 Zimmerman, George CME Consulting, Inc.
 Comment Type **E** Comment Status **D** EZ
 Clean up figure 113-28, tick marks for bit settings protrude below line, align labels
 SuggestedRemedy
 See comment
 Proposed Response Response Status **W**
 PROPOSED ACCEPT.

Cl 113.5 SC 113.5.3.2 P 171 L 45 # 77
 Moffitt, Bryan CommScope
 Comment Type **E** Comment Status **D** EZ
 Should identify the term SFDR
 SuggestedRemedy
 The Spurious-Free Dynamic Range (SFDR) of the transmitter
 Proposed Response Response Status **W**
 PROPOSED REJECT.
 Term is defined in the abbreviations section (Clause 1.5) of 802.3

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Cl 113 SC 113.7 P 181 L 5 # 71
 Zimmerman, George CME Consulting, Inc.

Comment Type T Comment Status D EZ

"Each of the four pairs supports an effective data rate of 10 Gb/s in each direction simultaneously."
 Only refers to 40GBASE-T. Explanatory statement needs to be updated to include 25GBASE-T.

SuggestedRemedy

Insert, "for 40GBASE-T and 6.25 Gb/s for 25GBASE-T " after "of 10 Gb/s ".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 113.7 SC 113.7.4.2 P 189 L 25 # 80
 Moffitt, Bryan CommScope

Comment Type E Comment Status D EZ

ReturnLoss needs space

SuggestedRemedy

as suggested

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 113.7 SC 113.7.4.3.1 P 190 L 1 # 82
 Moffitt, Bryan CommScope

Comment Type E Comment Status D EZ

Table 113--22 why in a table?

SuggestedRemedy

change to equation

Proposed Response Response Status W

PROPOSED REJECT.
 Requirement is clear

Cl 113.7 SC 113.7.4.3.5 P 190 L 1 # 83
 Moffitt, Bryan CommScope

Comment Type E Comment Status D EZ

fix ;,

SuggestedRemedy

delete comma

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 113 SC 113.8.1 P 195 L 8 # 93
 Thompson, Geoff GraCaSI S.A.

Comment Type ER Comment Status D EZ

The term "(published)" is unnecessary. It is assumed that all references are published.

SuggestedRemedy

Remove the text: "(published)"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 113 SC 113.12.1.1 P 200 L 18 # 17
 Anslow, Pete Ciena

Comment Type E Comment Status D EZ

Comment i-52 against P802.3bx D3.0 changed all instances of "enquiries" to "inquiries" in 802.3

SuggestedRemedy

Change "enquiries" to "inquiries".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 113 SC 113.12.1.2 P 200 L 30 # 18
 Anslow, Pete Ciena

Comment Type E Comment Status D EZ

"IEEE Std 802.3-201x, Clause 113" should be "IEEE Std 802.3bq-201x, Clause 113"
 On line 38, "conform to IEEE Std 802.3-201x" should be "conform to IEEE Std 802.3bq-201x"

SuggestedRemedy

Change "IEEE Std 802.3-201x, Clause 113" to "IEEE Std 802.3bq-201x, Clause 113"
 On line 38, change "conform to IEEE Std 802.3-201x" to "conform to IEEE Std 802.3bq-201x"

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 113A. SC 113A.3 P 223 L 30 # 86
 Moffitt, Bryan CommScope
 Comment Type E Comment Status D EZ
 should be plural - two are shown
 SuggestedRemedy
 change to Oscilloscopes, power meters or spectrum analyzers
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113A. SC 113A.3 P 223 L 7 # 85
 Moffitt, Bryan CommScope
 Comment Type E Comment Status D EZ
 indentations not matching
 SuggestedRemedy
 dent
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.
 Format lines 6-12 as a single paragraph.

Cl 1 SC 1.4 P 24 L 22 # 58
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Editing instruction should be 'as inserted by IEEE P802.3b'
 SuggestedRemedy
 See comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 1 SC 1.4.131a P 24 L 37 # 3
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 A comma is not used in 802.3 as a thousands separator. The Style guide has: "Digits should be separated into groups of three, counting from the decimal point toward the left and right. The groups should be separated by a space, and not a comma, period, or dash. If the magnitude of the number is less than one, the decimal point should be preceded by a zero. In numbers of four digits, the space is not necessary, unless four-digit numbers are grouped in a column with numbers of five digits or more."
 Consequently, "2,000" should be "2000"

SuggestedRemedy
 Change "2,000" to "2000"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 1 SC 1.4.131a P 24 L 38 # 59
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 2,000 should be 2000 per style guide

SuggestedRemedy
 See comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 1 SC 1.4.131a P 24 L 43 # 19
 Hajduczenia, Marek Bright House Network
 Comment Type E Comment Status D EZ
 Missing serial comma in "10GBASE-T, 25GBASE-T and 40GBASE-T."

SuggestedRemedy
 Change "10GBASE-T, 25GBASE-T>>,<< and 40GBASE-T."
 The same change on page 25, line 4
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 1 SC 1.3 P 24 L 9 # 33
 Maguire, Valerie Siemon
 Comment Type E Comment Status D EZ
 Follow 802.3-2012 style for ordering of punctuation and footnotes.
 SuggestedRemedy
 Move the superscript 1 after the "." in the first reference.
 (i.e. replace "Cabling{^}1." with "Cabling.{^}1")
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 1 SC 1.5 P 25 L 11 # 4
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 The expansion of abbreviations in 802.3 does not use initial caps unless the text is a proper noun.
 SuggestedRemedy
 Change "Attenuation to Crosstalk Ratio - Far End" to "attenuation to crosstalk ratio - far end"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 1 SC 1.4.278a P 25 L 3 # 98
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Shouldn't the entry for 'MultiGBASE-T' be placed between the entry for '1.4.277 mixing segment' and '1.4.278 multiport device'. If this is correct, it should be noted that IEEE P802.3bn is adding the entry '1.4.277a modulation error ratio (MER)'.
 SuggestedRemedy
 Change the text '1.4.278a MultiGBASE-T' to read '1.4.277b MultiGBASE-T'. Note that this designation may need swapped with IEEE P802.3bn once the approval order becomes more definitive
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 28 SC 28.5.3 P 27 L 40 # 61
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 reference to just clause 1.4 is less than useful
 SuggestedRemedy
 Replace reference to Clause 1.4 with 1.4.278a
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 28 SC 28.5.3 P 27 L 40 # 5
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 "See Clause 1.4" is a very unhelpful cross-reference.
 SuggestedRemedy
 Change "See Clause 1.4" to "See 1.4.278a" where 1.4.278a is a cross-reference.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 30 SC 30.3.2 P 29 L 37 # 62
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 typo: "PHY devicePHY device managed object class"
 SuggestedRemedy
 Change to "PHY device managed object class"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 30 SC 30.5.1.1.24 P 32 L 18 # 103
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest '... Change 30.5.1.1.24 aLDFastRetrainCount include ...' to read '... Change text of 30.5.1.1.24 aLDFastRetrainCount to include ...'.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 30 SC 30.5.1.1.24 P 32 L 18 # 102
 Law, David Hewlett Packard Enterp

Comment Type T Comment Status D EZ

The attributes 'aLDFastRetrainCount' and 'aLPFastRetrainCount' are not part of the '10GBASE-T Operating Margin package (conditional)' but instead are part of the 'Energy-Efficient Ethernet (optional)' package, see IEEE Std 802.3-2015 Table 30-1e.

SuggestedRemedy

Change the editing instruction '... (as part of the MultiGBASE-T operating package) ...' to read '... (as part of the 'Energy-Efficient Ethernet package)...' for subclause 30.5.1.1.24 and 30.5.1.1.25. If the intent was to move these attributes, provide editing instructions for table 30-1e.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.
 Change editing instruction.
 The intent was NOT to move these, so no editing instructions for table 30-1e due to this.

Cl 30 SC 30.5.1.1.25 P 32 L 34 # 104
 Law, David Hewlett Packard Enterp

Comment Type E Comment Status D EZ

Suggest '... Change 30.5.1.1.25 aLPFastRetrainCount include ...' to read '... Change the text of 30.5.1.1.25 aLPFastRetrainCount to include ...'.

SuggestedRemedy

See comment.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1 P 35 L 27 # 64
 Zimmerman, George CME Consulting, Inc.

Comment Type E Comment Status D EZ

Table 45-3 subclauses for 45.2.1.70 - should be active cross references, not external as indicated

SuggestedRemedy

Replace 45.2.1.70 and on external references with active cross references

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1 P 35 L 32 # 6
 Anslow, Pete Ciena

Comment Type E Comment Status D EZ

In Table 45-3, 45.2.1.74 through 45.2.1.77 are shown in forest green, but they should be cross-references

SuggestedRemedy

Change 45.2.1.74 through 45.2.1.77 to be cross-references in black font.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1.14c P 38 L 1 # 8
 Anslow, Pete Ciena

Comment Type E Comment Status D EZ

Subclause 45.2.1.14c being inserted by P802.3by comes after 45.2.1.14a as inserted by P802.3bw, hence it should be 45.2.1.14b not 45.2.1.14c.
 Similar issue for Table 45-17c, which should be Table 45-17b.
 A comment has been submitted against P802.3by D2.1 to correct these.

SuggestedRemedy

Change 45.2.1.14c to 45.2.1.14b
 Change Table 45-17c to Table 45-17b

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1.14c.0a P 38 L 19 # 11
 Anslow, Pete Ciena

Comment Type E Comment Status D EZ

A subclause being inserted before 45.2.1.14c.1 should be 45.2.1.14c.a, not 45.2.1.14c.0a

SuggestedRemedy

Change the inserted subclause number (and the number in the editing instruction) from 45.2.1.14c.0a to 45.2.1.14c.a (actually 45.2.1.14b.a due to another comment)

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 45 SC 45.2.1.14c P 38 L 6 # 10
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 The title of Table 45-17c should not have initial caps for "Extended Ability"
 SuggestedRemedy
 Change "Extended Ability" to "extended ability" as per P802.3by D2.1
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 45 SC 45.2.1.65.1 P 39 L 49 # 65
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Add in 45.2.1.65.1 and 45.2.1.65.2 to the draft to include cross references to Clause 113
 SuggestedRemedy
 See comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 45 SC 45.2.3.6 P 44 L 25 # 31
 Anslow, Pete Ciena
 Comment Type T Comment Status D EZ
 This draft is expanding the PCS type selection field from 3.7.2:0 to 3.7.3:0, but there are places other than Table 45-123 where this change must also be reflected.
 SuggestedRemedy
 In 45.2.3.1.2 the draft incorrectly has "(3.7.1:0)". Show a change from "(3.7.2:0)" to "(3.7.3:0)"
 In 45.2.3.2.7 the draft incorrectly has "(3.7.1:0)" (2 instances). Show a change from "(3.7.2:0)" to "(3.7.3:0)" (2 instances).
 Bring 45.2.3.6.1 in to the draft and show the title as changing to: "PCS type selection (3.7.3:0)" and show the first sentence as changing to "The PCS type shall be selected using bits 3 through 0."
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 45 SC 45.2.3.6.1 P 44 L 25 # 32
 Anslow, Pete Ciena
 Comment Type T Comment Status D EZ
 This draft is allocating bit 3.8.6, but not reflecting this change in 45.2.3.6.1.
 SuggestedRemedy
 Show the second sentence of 45.2.3.6.1 as changing to "The PCS type abilities of the PCS are advertised in bits 3.8.9 and 3.8.6:0."
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 45 SC 45.2.3.7 P 44 L 28 # 14
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 Table 45-124 is being modified by P802.3by which is likely to complete before P802.3bq. "Ignore when read" has been changed to "Value always 0" in the reserved row by the 802.3bx revision.
 SuggestedRemedy
 Coordinate with the P802.3by editorial team to show consistent changes between the two amendments.
 Change "Ignore when read" to "Value always 0" in the reserved row.

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 45 SC 45.2.3.6 P 44 L 3 # 13
 Anslow, Pete Ciena
 Comment Type E Comment Status D EZ
 The editing instruction for Table 45-123 does not match the changes being made: there are more changes than described and the whole table is shown.
 This table is being modified by P802.3by which is likely to complete before P802.3bq. The change made to the reserved row is incorrect.
 Footnote a is incorrect.
 SuggestedRemedy
 Change the editing instruction to "Change Table 45-123 (as modified by IEEE Std 802.3by-201x) as follows:"
 Show "0 1 1 1" as "= Select 25GBASE-R PCS type"
 Show the reserved bits as being changed to "3.7.15:4"
 Change footnote a to "R/W = Read/Write, RO = Read only"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

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CI 45 SC 45.2.3.7.5a P 44 L 47 # 15
 Anslow, Pete Ciena

Comment Type E Comment Status D EZ

The subclause for "25GBASE-T capable (3.8.9)" should be inserted between:
 45.2.3.7.3 Receive fault (3.8.10) and 45.2.3.7.4 100GBASE-R capable (3.8.5)
 The P802.3by amendment is changing this to be:
 45.2.3.7.3 Receive fault (3.8.10)
 45.2.3.7.3a 25GBASE-R capable (3.8.7)
 45.2.3.7.4 100GBASE-R capable (3.8.5)
 Consequently, The subclause for bit 3.8.9 should be 45.2.3.7.3aa and for bit 3.8.6 should be
 45.2.3.7.3b giving:
 45.2.3.7.3 Receive fault (3.8.10)
 45.2.3.7.3aa 25GBASE-T capable (3.8.9)
 45.2.3.7.3a 25GBASE-R capable (3.8.7)
 45.2.3.7.3b 40GBASE-T capable (3.8.6)
 45.2.3.7.4 100GBASE-R capable (3.8.5)

SuggestedRemedy

Change the editing instruction for the bit 3.8.9 subclause to: "Insert 45.2.3.7.3aa after
 45.2.3.7.3 and before 45.2.3.7.3a (as inserted by IEEE Std 802.3by-201x) as follows:"
 Add a separate editing instruction for the bit 3.8.6 subclause : "Insert 45.2.3.7.3b after
 45.2.3.7.3a (as inserted by IEEE Std 802.3by-201x) as follows:"
 Renumber the subclauses accordingly.

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.2.3.9 P 45 L 20 # 16
 Anslow, Pete Ciena

Comment Type E Comment Status D EZ

The change of title for register 3.20 is not shown in Table 45-119.
 The added "1" in the second sentence of 45.2.3.9 should be underlined.
 The change to the title of Table 45-125 is not consistent with the register name "EEE control
 and capability 1"

SuggestedRemedy

Show the change of title for register 3.20 in Table 45-119.
 Show the added "1" in the second sentence of 45.2.3.9 in underline font.
 Change to the title of Table 45-125 from "EEE control and capability register 1 bit definitions" to
 "EEE control and capability 1 register bit definitions"

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.2.3.13 P 46 L 19 # 66
 Zimmerman, George CME Consulting, Inc.

Comment Type E Comment Status D EZ

Include 25GBASE-T in editing instruction

SuggestedRemedy

See comment

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.2.3.13.1 P 47 L 30 # 105
 Law, David Hewlett Packard Enterp

Comment Type T Comment Status D EZ

This change states that '... This bit is a reflection of the PCS_status variable defined in ... in
 113.3.6.1 for 25GBASE-T and 40GBASE-T ...'. I can't find mention of PCS_status variable in
 subclause 113.3.6.1 'State diagram conventions', nor in 113.3.6.2.2 'Variables'. The nearest
 mention I could find was in subclause 113.3.6.3 'Messages' however this just states 'Indicates
 whether the PCS is in a fully operational state. (See 113.3.7.1.)'. Based on this suggest the
 reference should be to 113.3.7.1.

SuggestedRemedy

Suggest the text '... in 113.3.6.1 for 25GBASE-T and 40GBASE-T ...' be changed to read ... in
 113.3.7.1 for 25GBASE-T and 40GBASE-T ...'

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.2.7.11.2 P 54 L 5 # 55
 Zimmerman, George CME Consulting, Inc.

Comment Type E Comment Status D EZ

"10GBASE-T status register" should be "MultiGBASE-T status register"

SuggestedRemedy

Change "10GBASE-T" to "MultiGBASE-T"

Proposed Response Response Status W
 PROPOSED ACCEPT.

IEEE P802.3bq D2.3 25G/40GBASE-T Ethernet 3rd Working Group recirculation ballot comments

CI 45 SC 45.2.7.14 P 56 L 12 # 20
 Hajduczenia, Marek Bright House Network
 Comment Type E Comment Status D EZ
 Spurious "." in line 12 and line 41 and many more scattered around the document, primarily after tables.
 SuggestedRemedy
 Remove "." in the empty lines.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.2.7.14c P 57 L 23 # 21
 Hajduczenia, Marek Bright House Network
 Comment Type E Comment Status D EZ
 "0= Local device requests" should be "0 = Local device requests"
 SuggestedRemedy
 Multiple instances of "0=" which should be "0 =". Scrub clause 45, please.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.5 P 59 L 12 # 22
 Hajduczenia, Marek Bright House Network
 Comment Type E Comment Status D EZ
 PICS usually start at the top of the page.
 SuggestedRemedy
 Please place PICS at the top of the page.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.5.3.9 P 60 L 50 # 23
 Hajduczenia, Marek Bright House Network
 Comment Type E Comment Status D EZ
 AM61 has reference broken into two lines without any need.
 SuggestedRemedy
 Extend the size of "Subclause" column to accomodate reference unbroken into two lines. There are plenty of other locations in PICS in thid draft where references are
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 55 SC 55.6 P 65 L 2 # 24
 Hajduczenia, Marek Bright House Network
 Comment Type E Comment Status D EZ
 Odd "." character at the beginning of title of 55.6
 SuggestedRemedy
 Please remove the "." character. Seems like it is a dot.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 80 SC 80.1.4 P 71 L 51 # 42
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 RS-FEC needs nonbreaking hyphen
 SuggestedRemedy
 change hyphen to nonbreaking
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 81 SC 81.1 P 73 L 19 # 43
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Clean up alignment in Figure 81-1 on 40GBASE-T stack
 SuggestedRemedy
 See comment
 Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 105 SC P 77 L 1 # 44
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Hanging "bq 25G/40GBASE-T"
 SuggestedRemedy
 Delete
 Proposed Response Response Status W
 PROPOSED ACCEPT.

IEEE P802.3bq D2.3 25G/40GBASE-T Ethernet 3rd Working Group recirculation ballot comments

Cl 113 SC 113.1 P 81 L 22 # 106
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest '... in this document. This clause also specifies ...' should be changed to read '... in this clause. This clause also specifies ...'.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.1.2 P 82 L 28 # 107
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 Suggest that 'AUTO-NEGOTIATION' be replaced with 'AN' in both the 25GBASE-T and 40GBASE-T layer diagrams since the abbreviation AN is defined in the list.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.1.1 P 81 L 49 # 46
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 Clause 1.4 is an unuseful reference, be more precise
 SuggestedRemedy
 Change "Clause 1.4" cross ref to "1.4.278a"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.1.2 P 82 L 30 # 108
 Law, David Hewlett Packard Enterp
 Comment Type E Comment Status D EZ
 The solid line from the OSI layers to the top of the MEDIUM should be dotted as are other similar lines.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.1.1 P 81 L 49 # 25
 Hajduczenia, Marek Bright House Network
 Comment Type E Comment Status D EZ
 "Where a functionality or register refers to any member of the MultiGBASE-T set of PHYs, as defined in Clause 1.4, that nomenclature is used."
 SuggestedRemedy
 It is not "Clause 1.4", it is "1.4" as in subclause 1.4.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.1.3 P 83 L 7 # 26
 Hajduczenia, Marek Bright House Network
 Comment Type T Comment Status D EZ
 "modulation symbol rate of 2000 Msymbols/s results in a symbol period of 500.0 ps." - how much more precise you want to be about 500 ps? What is the target precision you're after?
 SuggestedRemedy
 Change "500.0 ps" to "500 ps"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 113 SC 113.1.1 P 81 L 53 # 45
 Zimmerman, George CME Consulting, Inc.
 Comment Type E Comment Status D EZ
 typo - tranfer
 SuggestedRemedy
 change "tranfer" to "transfer"
 Proposed Response Response Status W
 PROPOSED ACCEPT.

IEEE P802.3bq D2.3 25G/40GBASE-T Ethernet 3rd Working Group recirculation ballot comments

Cl 113 SC 113.1.5 P 89 L 14 # 112

Law, David Hewlett Packard Enterp

Comment Type T Comment Status D EZ

Not sure what a 'logical 25GMII/XLGMII' is. Shouldn't implementations be compatible at the 25GMII/XLGMII, if implemented.

SuggestedRemedy

Suggest the text '... at the MDI and at a logical 25GMII/XLGMII, if implemented.' be changed to read '... at the MDI and at the 25GMII/XLGMII, if implemented.'

Proposed Response Response Status W

PROPOSED ACCEPT.