Cl **113**　　　*SC* **113.3.6.4**　　　　*P* **117**　　　*L* **37**　　　# 1

Slavick, Jeff　　　　　　　　　Avago Technologies

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*

In figure 113-17 there is an extra "+" on the exit for TX_E state going to target C

SuggestedRemedy

Remove the extranenous +

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Clean up exits to states TX_E and TX_T to make clear what goes with what:
Replace "(T_TYPE(tx_raw) = C+LII) +" with "T_TYPE(tx_raw) = (C + LII)" and move next to target C out of state TX_E,
Move "T_TYPE(tx_raw) = (E+D+T)" associated with exit from state TX_T to the left, abutting its exit from state TX_T, and
Move "T_TYPE(tx_raw) = D" down so that it is clear that it is associated with target D out of state TX_E.

Cl **113**　　　*SC* **113.3.2.2.16**　　　*P* **94**　　　*L* **1**　　　# 11

Anslow, Pete　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*

In the title of Table 113-3, "Translation" should be "translation"

SuggestedRemedy

Change "Translation" to "translation"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **113**　　　*SC* **113.5.3**　　　　*P* **153**　　　*L* **27**　　　# 12

Anslow, Pete　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*

Comment i-54 against the Revision project D3.0 has changed all instances in 802.3 of "AC coupling" to "AC-coupling"
Also applies to PICS item PME18

SuggestedRemedy

Change "AC coupling" to "AC-coupling" on Page 153, line 27 and also on Page 189, line 37

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **113**　　　*SC* **113.5.4.3**　　　　*P* **156**　　　*L* **21**　　　# 13

Anslow, Pete　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*

There should be a (non-breaking) space between a number and its unit.
6dBm should be 6 dBm

SuggestedRemedy

Change "6dBm" to "6 dBm" where the space is non-breaking (Ctrl space)

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **113**　　　*SC* **113.5.4.4**　　　　*P* **157**　　　*L* **29**　　　# 14

Anslow, Pete　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*

spurious "bb" in "test.bb"

SuggestedRemedy

delete "bb" at the end of the subclause

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. (Dup of 81)

Cl **113**　　　*SC* **113.6.1.1**　　　　*P* **158**　　　*L* **2**　　　# 15

Anslow, Pete　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*

"Clause 45" should be a cross-reference

SuggestedRemedy

Make "Clause 45" a cross-reference

Proposed Response　　　*Response Status* **W**

PROPOSED 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: Comment ID

Comment ID **15**

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Cl **113**   *SC* **113.7.5**   *P* **176**   *L* **9**   # 16

Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

On line 9 "cstalk" should be "crosstalk"
On line 12 "following:ros" should be "following:"

SuggestedRemedy

On line 9 change "cstalk" to "crosstalk"
On line 12 change "following:ros" to "following:"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. (Dup of 83)

Cl **113**   *SC* **113.12**   *P* **181**   *L* **19**   # 17

Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

The PICS proforma should start at the top of a new page.
The text in 113.12 and the tables in 113.12.1.1 and 113.12.1.2 should be based on those in the 802.3 template.

SuggestedRemedy

In the paragraph designer, set the heading for 113.12 to Start: Top of Page as per the 802.3 template.
Change text in 113.12 and the tables in 113.12.1.1 and 113.12.1.2 to be based on those in the 802.3 template.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.7.11.8a**   *P* **47**   *L* **37**   # 18

Anslow, Pete   Ciena

Comment Type **ER**   *Comment Status* **D**   *EZ*

Comment #183 against D2.0 was not implemented correctly.

As the new subclause for "40GBASE-T Fast retrain ability (7.33.0)" is being inserted after 45.2.7.11.8, which is the last level 5 subclause in 45.2.7.11, the new subclause number should be 45.2.7.11.9 not 45.2.7.11.8a. This was correct in the Suggested Remedy of comment #183 (ACCEPT)

SuggestedRemedy

Change editing instruction to:
"Insert 45.2.7.11.9 after 45.2.7.11.8 as follows:"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.1.6**   *P* **32**   *L* **5**   # 20

Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

Comment i-51 against 802.3bx D3.0 has changed "reserved for future use" to "reserved" in Table 45-7.
The inserted "1 0 0 1 1 0 = 40GBASE-T PMA/PMD" should be underlined.
The row "1 0 1 1 1 1 = reserved for future use" should be "1 0 1 1 1 1 = 100GBASE-SR4 PMA/PMD"

SuggestedRemedy

Change "reserved for future use" to "reserved" (2 instances as the third will be removed).
Show "1 0 0 1 1 0 = 40GBASE-T PMA/PMD" in underline font.
Change "1 0 1 1 1 1 = reserved for future use" to "1 0 1 1 1 1 = 100GBASE-SR4 PMA/PMD"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.1.62**   *P* **34**   *L* **16**   # 21

Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

The text as modified is: "The assignments of bits in the MultiGBASE-T status register is shown in Table 45–54."

The use of the word "assignments" is almost unique within Section 4. There are:
135 instances of "the assignment of bits in"
1 instance of "the assignments of bits in"

SuggestedRemedy

Change "assignments" to "assignment" by showing "assignments" in strikethrough font and "assignment" underlined.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.1.64**   *P* **34**   *L* **45**   # 22

Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

In "MultiGBASE-T TX power backoff", the space between MultiGBASE-T and TX is shown underlined.

SuggestedRemedy

Remove the underline

Proposed Response   *Response Status* **W**

PROPOSED 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: Comment ID

Comment ID **22**   Page 2 of 12
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Cl **45**　　　*SC* **45.2.7.10**　　　　　*P* **45**　　　*L* **1**　　　　# 24
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*
The text "aR/W = Read/Write, RO = Read only" should be a footnote to Table 45-207 and hence on the same page as the table

SuggestedRemedy
Fix the footnote.

Proposed Response　　　*Response Status* **W**
PROPOSED ACCEPT.

Cl **45**　　　*SC* **45.2.7.10.4c**　　　　*P* **45**　　　*L* **18**　　　　# 25
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*
The definition of bit 7.32.4 should come before the definition for bit 7.32.3

SuggestedRemedy
Swap the order of the definitions for bits 7.32.3 and 7.32.4

Proposed Response　　　*Response Status* **W**
PROPOSED ACCEPT.

Cl **45**　　　*SC* **45.2.7.10.7**　　　　*P* **45**　　　*L* **42**　　　　# 26
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*
The added "10GBASE-T" in the title of 45.2.7.10.7 should be underlined

SuggestedRemedy
Underline "10GBASE-T"

Proposed Response　　　*Response Status* **W**
PROPOSED ACCEPT. (Dup of 60)

Cl **45**　　　*SC* **45.2.7.11**　　　　　*P* **46**　　　*L* **15**　　　　# 27
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*
In Table 45-208, "Value always 0, writes ignored" has been changed to "Value always 0" in the base standard.
The reserved bits in this row are "7.33.8:2" in the base standard, so there should be a "2" in strikeout font.

SuggestedRemedy
Change "Value always 0, writes ignored" to "Value always 0"
Show "8:2" in strikeout and "7:3" underlined

Proposed Response　　　*Response Status* **W**
PROPOSED ACCEPT.

Cl **55**　　　*SC* **55.3.4**　　　　　*P* **53**　　　*L* **4**　　　　# 28
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*
Editing instruction should be "Delete the second paragraph of 55.3.4 as shown:"

SuggestedRemedy
Change editing instruction to:
"Delete the second paragraph of 55.3.4 as shown"

Proposed Response　　　*Response Status* **W**
PROPOSED ACCEPT.

Cl **55**　　　*SC* **55.3.5.3**　　　　*P* **54**　　　*L* **38**　　　　# 29
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*EZ*
Editing instruction should be "Change the first paragraph of 55.3.5.3 as shown:"

SuggestedRemedy
Change editing instruction to:
"Change the first paragraph of 55.3.5.3 as shown:"

Proposed Response　　　*Response Status* **W**
PROPOSED 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: Comment ID

Comment ID **29**

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7/7/2015 6:53:15 PM

Cl **55**   *SC* **55.6.2**   *P* **55**   *L* **33**   # 30

Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

    55.6.2 is not a paragraph

SuggestedRemedy

    In the editing instruction change "...bits in paragraph 55.6.2..." to "...bits in 55.6.2..."

Proposed Response   *Response Status* **W**

    PROPOSED ACCEPT.

Cl **80**   *SC* **80.1.3**   *P* **59**   *L* **9**   # 31

Anslow, Pete   Ciena

Comment Type **T**   *Comment Status* **D**   *EZ*

    Comment #196 against D2.0 was ACCEPT but has not been implemented correctly.
    As explained in the comment:
    "The point of the list in 80.1.3 is to define the locations where the data-path widths cannot
    be changed by the implementation. Each element in the existing list states what the width
    at that location is."
    The suggested remedy was:
    Change to: "k) The MDI as specified in Clause 113 for 40GBASE-T uses a 4 lane data
    path." but the "uses a 4 lane data path." part (which is the point of having the item at all) is
    missing from the draft.

SuggestedRemedy

    Add "uses a 4 lane data path" to the end of item k)

Proposed Response   *Response Status* **W**

    PROPOSED ACCEPT.

Cl **99**   *SC*   *P* **3**   *L* **20**   # 32

Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

    The introductory text provided by the IEEE 802.3 WG Chair has been changed.
    The latest version can be found in the 802.3 FrameMaker template or in Section 1 of the
    Revision project 802.3bx D3.1

SuggestedRemedy

    Update the introduction text (paragraphs 2, 3, and 4 on page 3 of the draft) to the latest
    version.

Proposed Response   *Response Status* **W**

    PROPOSED ACCEPT.

Cl **99**   *SC*   *P* **3**   *L* **36**   # 33

Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

    As the P802.3bq draft is not currently approved it is inappropriate to have text: "At the date
    of IEEE Std 802.3bq-2015 publication,..."

    Same issue on page 4, line 25

SuggestedRemedy

    Change "IEEE Std 802.3bq-2015" to "IEEE Std 802.3bq-201x" on page 3, line 36 and
    change "IEEE Std 802.3bqTM-2015" to "IEEE Std 802.3bqTM-201x" on page 4, line 25

Proposed Response   *Response Status* **W**

    PROPOSED 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: Comment ID

Comment ID **33**   Page 4 of 12
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Cl **00**   *SC* **0**   *P* **20**   *L* **20**   # 34
Anslow, Pete   Ciena

Comment Type **ER**   *Comment Status* **D**   *EZ*

Established 802.3 practice is that amendments do not re-number the sublauses in the
base document. This is particularly important for sections like 1.4 and Clause 45 which are
modified by multiple amendments simultaneously. Any re-numbering that is required is
then performed by the next revision project (such as the current 802.3bx).
Also, there were multiple comments against P802.3bq D2.0 which proposed to remove the
"re-number" text and were ACCEPT. Examples are:
#158 45.2.1.12.9a
#170 45.2.3.7.5a
#173 45.2.3.9.4a
#177 45.2.7.10.4a and 45.2.7.10.4b
#182 45.2.7.11.7a
#187 45.2.7.13.4a

However, these comments were not implemented correctly and the "re-number" text
remains in the draft despite the correct use of "a" subclause numbers to avoid the need for
this.

SuggestedRemedy

Remove re-numbering and implement the comments noted above.
For 1.4.72a change the editing instruction to: "Insert the 40GBASE-T definition into the list
after 1.4.72 40GBASE-SR4 as follows:"
For 1.4.278a change the editing instruction to: "Insert the MultiGBASE-T definition into the
list after 1.4.278 multiport device as follows:"
For 45.2.1.12.9a change the editing instruction to: "Insert 45.2.1.12.9a after 45.2.1.12.9 as
follows:"
For 45.2.3.7.5a change the editing instruction to: "Insert 45.2.3.7.5a after 45.2.3.7.5 as
follows:"
For 45.2.3.9.4a change the editing instruction to: "Insert 45.2.3.9.4a after 45.2.3.9.4 as
follows:"
For 45.2.7.10.4a and 45.2.7.10.4b change the editing instruction to: "Insert 45.2.7.10.4a,
45.2.7.10.4b, and 45.2.7.10.4c after 45.2.7.10.4 as follows:"
For 45.2.7.11.7a change the editing instruction to: "Insert 45.2.7.11.7a, and 45.2.7.11.7b
after 45.2.7.11.7 as follows:"
For 45.2.7.13.4a change the editing instruction to: "Insert 45.2.7.13.4a after 45.2.7.13.4 as
follows:"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. (Dup of comment 75)

Cl **00**   *SC* **0**   *P* **59**   *L* **13**   # 35
Anslow, Pete   Ciena

Comment Type **ER**   *Comment Status* **D**   *EZ*

Comment i-31 against the revision project 802.3bx D3.0 has removed the text "CSMA/CD"
from clauses for 10G and above since they are all full duplex.
The suggested remedy follows the changes made in response to comment i-31

SuggestedRemedy

In Figure 80-1 change: "LAN CSMA/CD AYERS" on three levels (note missing "L") to:
"ETHERNET LAYERS" on two levels.
In Figure 81-1 and Figure 113-1 change: "LAN CSMA/CD LAYERS" on three levels to:
"ETHERNET LAYERS" on two levels.
In the titles of Figure 81-1 and Figure 113-1, change: "the IEEE 802.3 CSMA/CD LAN
model" to "the IEEE 802.3 Ethernet model"
In 113.1.1 change: "IEEE 802.3 CSMA/CD LAN model" to "the IEEE 802.3 Ethernet
model" and also change "the IEEE 802.3 (CSMA/CD) MAC" to "the IEEE 802.3 MAC"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **01**   *SC* **1.4.278a**   *P* **20**   *L* **27**   # 36
Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *EZ*

In the definition for MultiGBASE-T:
"1000Mbps" should be "1000 Mb/s"
"Clause 55" should be "IEEE Std 802.3, Clause 55" and "Clause 55 should be a cross-
reference.
"Clause 113" should be "IEEE Std 802.3, Clause 113" and "Clause 113 should be a cross-
reference.

SuggestedRemedy

Change: "1000Mbps" to "1000 Mb/s"
Change: "Clause 55" to "IEEE Std 802.3, Clause 55" and make "Clause 55" a cross-
reference.
Change: "Clause 113" to "IEEE Std 802.3, Clause 113" and make "Clause 113" a cross-
reference.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. (Dup of 43)

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **36**   Page 5 of 12
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   7/7/2015 6:53:15 PM
SORT ORDER: Comment ID

Cl **113**　　*SC* **113.1**　　　　*P* **65**　　*L* **9**　　　# 37

Anslow, Pete　　　　　　　　　　Ciena

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

"cabling systebbms" should be "cabling systems"

SuggestedRemedy

Change "cabling systebbms" to "cabling systems"

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **113**　　*SC* **113.1.1**　　　*P* **66**　　*L* **1**　　　# 38

Anslow, Pete　　　　　　　　　　Ciena

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

"Clause 81" should be a cross-reference (line 1)
"Annex 83B" should have character tag "External" applied (line 2)
"Clause 82" should have character tag "External" applied (line 3)

SuggestedRemedy

Make "Clause 81" a cross-reference (line 1)
Apply character tag "External" to "Annex 83B" (line 2)
Apply character tag "External" to "Clause 82" (line 3)

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **113**　　*SC* **113.1.2**　　　*P* **69**　　*L* **8**　　　# 39

Anslow, Pete　　　　　　　　　　Ciena

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

Comment i-85 against the revision project 802.3bx D3.0 has changed the expansion of
XLGMII from "40 Gigabit Media Independent Interface" to "40 Gb/s Media Independent
Interface"

SuggestedRemedy

In Figure 113-3, Figure 113-4, and Figure 113-5 change "FORTY GIGABIT MEDIA" to "40
Gb/s MEDIA"
In 113.1.2.1 (page 70, line3) change "...a Forty Gigabit Media Independent..." to "...a 40
Gb/s Media Independent..."
In 113.2 a) change "Forty Gigabit Media Independent Interface" to "40 Gb/s Media
Independent Interface"
In 113.3.1 change "40 Gigabit Media Independent Interface" to "40 Gb/s Media
Independent Interface"

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **01**　　*SC* **1.4.278a**　　　*P* **20**　　*L* **27**　　# 43

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

"at speeds in excess of 1000Mbps" - wrong speed format

SuggestedRemedy

Change to "at speeds in excess of 1000 Mb/s"

Also, replace "Clause 55" with "see IEEE Std 802.3, Clause 55" and "Clause 113" with
"see IEEE Std 802.3, Clause 113"

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT. (Dup of 36)

Cl **30**　　*SC* **30.5.1.1.22**　　*P* **28**　　*L* **19**　　# 45

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

"see 945.2.1.69" - not sure we have 945 Clauses :)

SuggestedRemedy

Remove "9"

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **30**　　*SC* **30.5.1.1.24**　　*P* **28**　　*L* **33**　　# 46

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

"see 45.2.1.79.2 and 55.4.5.1 and 113.4.5.4" - missing serial comma, unnecesary "and"

SuggestedRemedy

Change to "see 45.2.1.79.2, 55.4.5.1, and 113.4.5.4" with proper editorial markup

Similar change in 30.5.1.1.25

Proposed Response　　*Response Status* **W**

PROPOSED 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: Comment ID

Comment ID **46**　　Page 6 of 12
7/7/2015 6:53:15 PM

Cl **45**　　*SC* **45.2.1.6**　　　　*P* **32**　　*L* **1**　　　*#* 47

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **ER**　　*Comment Status* **D**　　　　　　*EZ*

Table 45–7 contains just one marked change in row "1 0 0 1 1 x1 = reserved for future use" - it seems that row "1 0 0 1 1 0 = 40GBASE-T PMA/PMD" should be also marke din underlined, since it is the one being added?

SuggestedRemedy

Per comment

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **45**　　*SC* **45.2.1.62**　　　*P* **34**　　*L* **16**　　*#* 48

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **ER**　　*Comment Status* **D**　　　　　　*EZ*

Font mess: added text "MultiG" is in smaller font than the remainder of the "BASE-T" -

SuggestedRemedy

check the size of the newly added text "MultiG" and make sure it is the same size and style (T, Text) as the remainder of the text - this applies to the whole Clause 45 - there are multiple locations where the same font size misalignment is present.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **45**　　*SC* **45.2.1.64.1**　　*P* **35**　　*L* **6**　　　*#* 49

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

Space missing in "negotiation process.The 10GBASE-T"

SuggestedRemedy

Per comment

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **45**　　*SC* **45.2.3.1.2**　　　*P* **37**　　*L* **23**　　*#* 50

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

Editorial improvement for "10GBASE-R or 10GBASE-T or 40GBASE-T PCS" for consistency with the remainder of the text

SuggestedRemedy

Change to "10GBASE-R, 10GBASE-T, or 40GBASE-T PCS" with proper editorial markup

Cimilar change needed in Table 45–128, Table 45–129

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **45**　　*SC* **45.2.3.7**　　　*P* **38**　　*L* **33**　　*#* 51

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **ER**　　*Comment Status* **D**　　　　　　*EZ*

The row with definition of register 3.8.6 should be shown in underline - it is new content

SuggestedRemedy

Per comment

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Editing instruction for new row is an "insert" instruction, hence no underline, rewrite editing instruction as two instructions to make this clear:
"Change the reserved row in Table 45–124 as shown below, and
(line break)
Insert new row for name and description for bit 3.8.6 below it as follows
(unchanged rows not shown):"

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: Comment ID

Comment ID **51**　　　Page 7 of 12
7/7/2015 6:53:15 PM

Cl **45**   *SC* **45.2.3.13**   *P* **39**   *L* **33**   # 52

Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *EZ*

the second "the" not needed in "the BASE-R, 10GBASE-T, or the 40GBASE-T "

SuggestedRemedy

Change to "the BASE-R, 10GBASE-T, or 40GBASE-T "

Similar change in:
45.2.3.14, page 41, line 17
45.2.3.14.1, page 41, line 41
45.2.3.14.1, page 41, line 43
45.2.3.14.2, page 42, line 5
45.2.3.14.2, page 42, line 7
several PICS in 45.5.3.7

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.3.13.4**   *P* **40**   *L* **45**   # 53

Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *EZ*

After the changes, the new sentence does not read correctly: "This bit is a direct reflection
of the state of the hi_lfer variable in the 10GBASE-T and
40GBASE-T 64B/65B state diagrams and is defined in 55.3.6.1 and 113.3.6.2.2."

SuggestedRemedy

Suggest to change to (changes shown in >><<): "This bit is a direct reflection of the state
of the hi_lfer variable in the 10GBASE-T and 40GBASE-T 64B/65B state diagrams, defined
in 55.3.6.1 and 113.3.6.2.2 >>for 10GBASE-T and 40GBASE-T, respectively<<".

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.7.10**   *P* **45**   *L* **1**   # 57

Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *EZ*

Footnote to Table 45–207 somehow got moved to next page.

SuggestedRemedy

Beat on Frame, make sure footnote is attached to table and now allowed to move to next
page on its own.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.7.10.7**   *P* **45**   *L* **42**   # 60

Hajduczenia, Marek   Bright House Network

Comment Type **ER**   *Comment Status* **D**   *EZ*

No editorial markup in line 42

SuggestedRemedy

Underline: "10GBASE-T "

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. (Dup of 26)

Cl **45**   *SC* **45.2.7.11**   *P* **46**   *L* **16**   # 62

Hajduczenia, Marek   Bright House Network

Comment Type **ER**   *Comment Status* **D**   *EZ*

Multiple tables, including Table 45–208 and Table 45–207, are not aligned with P802.3bx,
D3.1. For example, Reserved bit 7.33.8:2 has description changed from "Value always 0,
writes ignored" to "Value always 0"

SuggestedRemedy

Align tables in Clause 45 with P802.3bx, D3.1

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.5.3.9**   *P* **51**   *L* **6**   # 64

Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *EZ*

Font size inconsistency in Feature column for AM51

SuggestedRemedy

Please align font format and size

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **64**   Page 8 of 12
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   7/7/2015 6:53:15 PM
SORT ORDER: Comment ID

Cl **55**   *SC* **55.3.4**   *P* **53**   *L* **5**   # 65
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *EZ*
   Editorial instruction not precise enough.

SuggestedRemedy
   Change "Delete text in 55.3.4 as shown:" to "Delete the second paragraph in 55.3.4 as
   shown below:"

   Similarly, instructions on page 54, line 39, change "Change 55.3.5.3 as shown:" to
   "Change the first paragraph in 55.3.5.3 as shown below:"

Proposed Response   *Response Status* **W**
   PROPOSED ACCEPT IN PRINCIPLE. See comments 28 & 29

Cl **78**   *SC* **78.5**   *P* **58**   *L* **3**   # 66
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *EZ*
   Inconsistenct changes: "10GBASE-T PHY and 40GBASE-T PHY" - in Clause 45, similar
   text was modified to read "10GBASE-T and 40GBASE-T PHY"

SuggestedRemedy
   Change "10GBASE-T PHY and 40GBASE-T PHY" to "10GBASE-T and 40GBASE-T PHY"
   on page 58, line 3 and 5

Proposed Response   *Response Status* **W**
   PROPOSED ACCEPT.

Cl **113**   *SC* **5.3.4**   *P* **155**   *L* **27**   # 69
Donahue, Curtis   UNH-IOL

Comment Type **E**   *Comment Status* **D**   *EZ*
   Figure 113-38 doesn't seem to reflect the Upper PSD values described in Eq (113-11).
   Specifically, from 7160-12000 MHz the upper limit is defined as -126 dBm/Hz but the figure
   shows a value closer to -116 dBm/Hz.

SuggestedRemedy
   Re-draw Figure 113-38 to accurately represent the Upper PSD and Lower PSD limits
   defined in Eq (113-11) and (113-12).

Proposed Response   *Response Status* **W**
   PROPOSED ACCEPT.

Cl **113**   *SC* **5.3.4**   *P* **154**   *L* **44**   # 70
Klempa, Michael   UNH IOL

Comment Type **E**   *Comment Status* **D**   *EZ*
   I believe either the Transmitter PSD limits (113-11) or the figure (113-38) is wrong, the
   Upper last limit is -126 dBm/Hz while the figure looks more like -116.

SuggestedRemedy
   Make them agree, either way.

Proposed Response   *Response Status* **W**
   PROPOSED ACCEPT IN PRINCIPLE. See comment 69

Cl **113**   *SC* **113.7.2.3**   *P* **164**   *L* **16**   # 71
Swanson, Steve   Corning Incorporated

Comment Type **E**   *Comment Status* **D**   *EZ*
   There is an error in formula 113-14

SuggestedRemedy
   Change frequency from "1<=f<=40" to "10<=f<=40"

Proposed Response   *Response Status* **W**
   PROPOSED ACCEPT.

Cl **113**   *SC* **113.7.1**   *P* **162**   *L* **45**   # 72
Swanson, Steve   Corning Incorporated

Comment Type **ER**   *Comment Status* **D**   *EZ*
   Table 113-1 does not contain balanced cabling as mentioned. (Table 113-1 is on page 91
   and contains control codes)

SuggestedRemedy
   Give the Table 113-1 on page 163 a different number and reference that Table on line 45
   on page 162

Proposed Response   *Response Status* **W**
   PROPOSED ACCEPT IN PRINCIPLE.
   Change Table 113-1 on page 163 to be next in sequence (Table 113-20), confirm cross
   reference points to correct table, and renumber remaining tables.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **72**   Page 9 of 12
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   7/7/2015 6:53:15 PM
SORT ORDER: Comment ID

Cl **00**　　*SC* **0**　　　　　　*P* **20**　　*L* **20**　　　# 75
Zimmerman, George　　　　　CME Consulting, Inc.

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

Editing instruction should not re-number clauses or definitions when inserted as an "a" heading number
"Insert definition and re-number remaining definitions." (1.4.72a P20 L20, 1.4.278a P20, L25)
"Insert new clause after 45.2.1.12.9 and re-number remaining clauses." (45.2.1.12.9a P34 L4, 45.2.3.7.5a P38 L38, 45.2.3.9.4a P39 L16, 45.2.7.10.41 P45 L3, 45.2.7.11.7a P47 L13, 45.2.7.13.4a P48 L16)

SuggestedRemedy

delete "and re-number remaining definitions" (2 instances, 1.4.72a P20 L20, 1.4.278a P20, L25)
delete "and re-number remaining clauses" (6 instances,45.2.1.12.9a P34 L4, 45.2.3.7.5a P38 L38, 45.2.3.9.4a P39 L16, 45.2.7.10.41 P45 L3, 45.2.7.11.7a P47 L13, 45.2.7.13.4a P48 L1)

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. (Dup of comment 34)

Cl **01**　　*SC* **1.5**　　　　　　*P* **20**　　*L* **37**　　　# 79
Zimmerman, George　　　　　CME Consulting, Inc.

Comment Type **ER**　　*Comment Status* **D**　　　　　*EZ*

Editing instruction references definitions, should be abbreviations in Clause 1.5

SuggestedRemedy

Change "Insert the following new definitions into the definitions list, in alphanumeric order:"
to "Insert the following new abbreviations into the abbreviations list, in alphanumeric order:"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT.

Cl **113**　　*SC* **113.5.**　　　　　*P* **157**　　*L* **29**　　　# 81
Zimmerman, George　　　　　CME Consulting, Inc.

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

Extraneous "bb" at end of line.

SuggestedRemedy

delete "bb" after period on line 29.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. (Dup of 14)

Cl **113**　　*SC* **113.7.5**　　　　*P* **176**　　*L* **9**　　　# 83
Zimmerman, George　　　　　CME Consulting, Inc.

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

typo "cstalk" should be "crosstalk" , and the "ros" ended up on line 12 where it shouldn't be.

SuggestedRemedy

line 9: replace "cstalk" with "crosstalk"
line 12: delete "ros"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. (Dup of 16)

Cl **113**　　*SC* **113.1.1**　　　　*P* **66**　　*L* **4**　　　# 85
Zimmerman, George　　　　　CME Consulting, Inc.

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

Figure 113-1 references CSMA/CD, align with IEEE Std. 802.3bx D3p1, Replace "LAN CSMA/CD" with "ETHERNET" in upper part of figure, and in figure title on line 30.

SuggestedRemedy

Replace "LAN CSMA/CD LAYERS" with "ETHERNET LAYERS" in Figure 113-1 (line 4)
Replace "CSMA/CD LAN" with "Ethernet" in figure title on line 30

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. Dup with 35

Cl **113**　　*SC* **113.3.4**　　　　*P* **105**　　*L* **1**　　　# 86
Zimmerman, George　　　　　CME Consulting, Inc.

Comment Type **E**　　*Comment Status* **D**　　　　　　*EZ*

Frame version of Figure 113-14 is now available, see 802.3bz D0p1, without strikeout.

SuggestedRemedy

Replace Figure 113-14 with frame version from 802.3bz D0p1 without strikeout marks. Delete editors note.

Proposed Response　　　*Response Status* **W**

PROPOSED 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: Comment ID

Comment ID **86**

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Cl **113**   *SC* **113**   *P* **96**   *L* **5**   # **90**
Zimmerman, George   CME Consulting, Inc.

Comment Type **E**   *Comment Status* **D**   *EZ*
Extraneous period after colon, and figure comes mid-sentence separating equations from descriptive text:
"This implements the scrambler polynomial:8." (figure comes here, then equation 113-1)

SuggestedRemedy
delete . after colon & footnote. Move Figure 113-11 so it does not disrupt sentence flow.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT.

Cl **113**   *SC* **113.3.2.2.19**   *P* **97**   *L* **3**   # **91**
Zimmerman, George   CME Consulting, Inc.

Comment Type **E**   *Comment Status* **D**   *EZ*
IEEE style manual - spell out isolated numbers less than ten.

SuggestedRemedy
replace "2 random fill bits" with "two random fill bits"

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.3.9**   *P* **39**   *L* **6**   # **98**
Zimmerman, George   CME Consulting, Inc.

Comment Type **ER**   *Comment Status* **D**   *EZ*
Table 45-125 title does not match register name in clause nor in title of table in 802.3bx D3p1

SuggestedRemedy
Change title to match 802.3bx D3p1 & clause header:
Insert "control and" so table title reads: "EEE control and capability bit definitions"

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.1.64**   *P* **34**   *L* **50**   # **99**
Zimmerman, George   CME Consulting, Inc.

Comment Type **ER**   *Comment Status* **D**   *EZ*
type - 10/40GBASE-T

SuggestedRemedy
Replace 10G/40BASE-T with 10/40BASE-T.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT.

Cl **55**   *SC* **55.3.4**   *P* **53**   *L* **18**   # **104**
Zimmerman, George   CME Consulting, Inc.

Comment Type **E**   *Comment Status* **D**   *EZ*
A frame-drawn figure (see P802.3bz D0p1, Figure 126-11) is now available, insert & delete editors note.

SuggestedRemedy
Insert frame figure from P802.3bz D0p1 Figure 126-11.
Delete editor's note.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT.

Cl **78**   *SC* **78.5**   *P* **58**   *L* **9**   # **105**
Zimmerman, George   CME Consulting, Inc.

Comment Type **E**   *Comment Status* **D**   *EZ*
Table 78-5 is Table 78-4 in IEEE P802.3bx D3p1

SuggestedRemedy
Change editing instruction and table title from Table 78-5 to Table 78-4.

Proposed Response   *Response Status* **W**
PROPOSED 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: Comment ID

Comment ID **105**   Page 11 of 12
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Cl **99** *SC*   *P* **19**   *L* **46**   # 109

Zimmerman, George   CME Consulting, Inc.

Comment Type **E**   *Comment Status* **D**   *EZ*

 Include parallel projects IEEE P802.3bs, IEEE P802.3by and IEEE P802.3bz in note.

SuggestedRemedy

 Include parallel projects IEEE P802.3bs, IEEE P802.3by and IEEE P802.3bz in note.

Proposed Response   *Response Status* **W**

 PROPOSED ACCEPT.

Cl **99** *SC*   *P* **2**   *L* **6**   # 117

Marris, Arthur   Cadence Design Syst

Comment Type **E**   *Comment Status* **D**   *EZ*

 make XLGMII non-breaking

SuggestedRemedy

 make XLGMII non-breaking

Proposed Response   *Response Status* **W**

 PROPOSED ACCEPT.

Cl **45** *SC* **45.2.1.6**   *P* **32**   *L* **14**   # 118

Marris, Arthur   Cadence Design Syst

Comment Type **T**   *Comment Status* **D**   *EZ*

 "1 0 0 1 1 0 = 40GBASE-T PMA/PMD" needs to be underlined because it is added text

SuggestedRemedy

 underline "1 0 0 1 1 0 = 40GBASE-T PMA/PMD"

Proposed Response   *Response Status* **W**

 PROPOSED 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: Comment ID

Comment ID **118**   Page 12 of 12
7/7/2015 6:53:15 PM