

IEEE P802.3cd 50 Gb/s, 100 Gb/s, 200 Gb/s Ethernet 1st Sponsor recirculation ballot comments

CI 000 SC 0 P L # r01-16
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

The numbering of some of the references to definitions in the draft do not match the numbering in the latest revision draft.

- 80.4, Page 102 line 43, "1.4.117" should be 1.4.160"
- 116.1.3, Page 115 line 29, "1.4.407" should be "1.4.480"
- 131.1.1, Page 122 line 17, "1.4.223" should be "1.4.275"
- 131.1.3, Page 123 line 39, "1.4.407" should be "1.4.480"
- 131.4, Page 128 line 36, "1.4.117" should be 1.4.160"
- 136.1, Page 196 line 51, "1.4.223" should be "1.4.275"
- 136.1, Page 197 line 5, "1.4.223" should be "1.4.275"
- 136.5, Page 199 line 44, "1.4.117" should be 1.4.160"
- 137.1, Page 245 line 41, "1.4.223" should be "1.4.275"
- 137.1, Page 245 line 49, "1.4.223" should be "1.4.275"
- 137.5, Page 248 line 30, "1.4.117" should be 1.4.160"
- 138.1.1, Page 265 line 52, "1.4.223" should be "1.4.275"
- 138.1.1, Page 266 line 7, "1.4.223" should be "1.4.275"
- 139.1.1, Page 290 line 36, "1.4.223" should be "1.4.275"
- 140.1.1, Page 314 line 35, "1.4.223" should be "1.4.275"

SuggestedRemedy

- 80.4, Page 102 line 43, change "1.4.117" to 1.4.160"
- 116.1.3, Page 115 line 29, change "1.4.407" to "1.4.480"
- 131.1.1, Page 122 line 17, change "1.4.223" to "1.4.275"
- 131.1.3, Page 123 line 39, change "1.4.407" to "1.4.480"
- 131.4, Page 128 line 36, change "1.4.117" to 1.4.160"
- 136.1, Page 196 line 51, change "1.4.223" to "1.4.275"
- 136.1, Page 197 line 5, change "1.4.223" to "1.4.275"
- 136.5, Page 199 line 44, change "1.4.117" to 1.4.160"
- 137.1, Page 245 line 41, change "1.4.223" to "1.4.275"
- 137.1, Page 245 line 49, change "1.4.223" to "1.4.275"
- 137.5, Page 248 line 30, change "1.4.117" to 1.4.160"
- 138.1.1, Page 265 line 52, change "1.4.223" to "1.4.275"
- 138.1.1, Page 266 line 7, change "1.4.223" to "1.4.275"
- 139.1.1, Page 290 line 36, change "1.4.223" to "1.4.275"
- 140.1.1, Page 314 line 35, change "1.4.223" to "1.4.275"

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 1 SC 1.4.387 P 40 L 33 # r01-6
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

"Comment i-36 against the revision project D3.0 has caused the definition of ""FORCE mode"" in 1.4.254 to be deleted.
 As a consequence of this, all of the definition numbers above 254 have reduced their numbering by 1."

SuggestedRemedy

Change "1.4.387" to "1.4.386" in the editing instruction and the definition number

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 4A SC 4A.4.2 P 333 L 18 # r01-2
 Marris, Arthur Cadence Design Syst

Comment Type E Comment Status D <bucket>

Missing comma after 100 Gb/s

SuggestedRemedy

Change to:
 100 Gb/s, 200 Gb/s,

Proposed Response Response Status W
 PROPOSED ACCEPT.

CI 45 SC 45.2.1.1.3 P 49 L 34 # r01-31
 Marris, Arthur Cadence Design Syst

Comment Type G Comment Status D <bucket>

Add 2.5G and 5G to this to match revision project.

SuggestedRemedy

Add the following text "when set to 0110 the use of a 2.5G PMA/PMD is selected; when set to 0111 the use of a 5G PMA/PMD is selected;"

Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 45 SC 45.2.1.1.3 P 49 L 36 # r01-3
Marris, Arthur Cadence Design Syst
Comment Type E Comment Status D <bucket>
2.5 and 5 Gb/s speeds are missing from the text in 45.2.1.1.3
SuggestedRemedy
Add the following text:
when set to 0110 the use of a 2.5G PMA/PMD is selected; when set to 0111 the use of a
5G PMA/PMD is selected;
Proposed Response Response Status W
PROPOSED ACCEPT.

Cl 45 SC 45.2.1.110.2 P 58 L 9 # r01-7
Anslow, Peter Ciena Corporation
Comment Type E Comment Status D <bucket>
In the brackets at the end of subclause 45.2.1.110.2, a comma has been added after
91.5.3.3, but is not underlined
SuggestedRemedy
underline the added comma.
Proposed Response Response Status W
PROPOSED ACCEPT.

Cl 45 SC 45.2.1.111.8 P 59 L 32 # r01-8
Anslow, Peter Ciena Corporation
Comment Type E Comment Status D <bucket>
In the brackets in the first sentence of subclause 45.2.1.111.8, a comma has been added
after 91.5.3.3, but is not underlined.
Same issue for 45.2.1.111.9
SuggestedRemedy
underline the added comma in both 45.2.1.111.8 and 45.2.1.111.9
Proposed Response Response Status W
PROPOSED ACCEPT.

Cl 45 SC 45.2.1.139 P 75 L 34 # r01-21
Slavick, Jeff Broadcom Limited
Comment Type E Comment Status D <bucket>
The hex character fields don't begin with 0x
SuggestedRemedy
Change "for lane 0, fbf1cb3e; for lane 1, fbb1e665; for lane 2, f3fdae46; for lane 3,
f2ffa46b" to be "for lane 0, 0xfbf1cb3e; for lane 1, 0xfbb1e665; for lane 2, 0xf3fdae46; for
lane 3, 0xf2ffa46b"
Proposed Response Response Status W
PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE 802.3cd/D3.1 and
IEEE P802.3bs/D3.0 or the unsatisfied negative comments from the previous ballots.
Hence it is not within the scope of the recirculation ballot.
The proposed changes are to legacy text which is included only for context and are not
within the scope of this task force to change.

Cl 45 SC 45.2.3.4 P 77 L 13 # r01-4
Marris, Arthur Cadence Design Syst
Comment Type E Comment Status D <bucket>
The text here is modified so inserted text should be underlined
SuggestedRemedy
Underline the inserted text in Table 45-179 and Table 45-181
Proposed Response Response Status W
PROPOSED ACCEPT.

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Cl 45 SC 45.2.3.15.4 P 80 L 3 # r01-5
Marris, Arthur Cadence Design Syst

Comment Type E Comment Status D <bucket>

Make 45.2.3.15.4 and 45.2.3.15.5 correctly reflect the base standard and 802.3cd

SuggestedRemedy

Make it as follows
Change the third sentence of 45.2.3.15.4 as follows:
This bit is a direct reflection of the state of the hi_ber variable in the 64B/66B state diagram and is defined in 49.2.13.2.2 for 5/10/25GBASE-R and in 82.2.19.2.2 for 40/50/100GBASE-R.

Change fourth sentence of 45.2.3.15.5 as follows:
For a 40/50/100GBASE-R PCS, this bit reflects the logical AND of the state of the block_lock<x> variables defined in 82.2.19.2.2.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.3.15.4 P 80 L 3 # r01-9
Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

The quoted text is not present in 45.2.3.15.4 of the base standard. It seems to reflect text from the subclause below (45.2.3.15.5) from the latest draft of the revision.
See also a companion comment to correct the text in 45.2.3.15.5 to be this text.

SuggestedRemedy

Change the editing instruction to:
Change third sentence of 45.2.3.15.4 (as modified by IEEE Std 802.3cb-201x) as follows:
Change the text to:
This bit is a direct reflection of the state of the hi_ber variable in the BER monitor state diagrams as defined in 49.2.13.2.2 for 5/10/25GBASE-R and in 82.2.19.2.2 for 40/<u>50/</u>100GBASE-R.
where <u> and </u> are the start and end of underline font, respectively.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.3.15.5 P 80 L 14 # r01-10
Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

The text in 45.2.3.15.5 has been changed in the revision project D3.1, so the text of this subclause has to be updated to match. This seems to have been done in error in the subclause above (45.2.3.15.4).
See also a companion comment to correct the text in 45.2.3.15.4.

SuggestedRemedy

Change the text in 45.2.3.15.5 to be that shown in 45.2.3.15.4:
For a 40/<u>50/</u>100GBASE-R PCS, this bit reflects the logical AND of the state of the block_lock<x> variables defined in <g>82.2.19.2.2</g>.
where <u> and </u> are the start and end of underline font, respectively and <g> and </g> are the start and end of forest green font, respectively.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.3.16.3 P 81 L 6 # r01-11
Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

The text shown as the first sentence of 45.2.3.16.3 does not match the text in the base standard.
"for 2.5GBASE-T" should be "in 2.5GBASE-T"
"55.3.6.2" should be "55.3.7.2"
"113.3.6.2.2" should be "113.3.7.2"

SuggestedRemedy

Change:
"for 2.5GBASE-T" to "in 2.5GBASE-T"
"55.3.6.2" to "55.3.7.2"
"113.3.6.2.2" to "113.3.7.2"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Regarding "in 2.5GBASE-T" the base standard is incorrect. A comment has been submitted against the revision project to correct this.

So:
leave "for 2.5GBASE-T" as is
and change:
"55.3.6.2" to "55.3.7.2"
"113.3.6.2.2" to "113.3.7.2"

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Cl 45 SC 45.2.3.16.4 P 81 L 17 # r01-12
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

The text shown as the first sentence of 45.2.3.16.4 does not match the text in the base standard.
 "for 2.5GBASE-T" should be "in 2.5GBASE-T"
 "55.3.6.2" should be "55.3.7.2"
 "113.3.6.2.2" should be "113.3.7.2"

SuggestedRemedy

Change:
 "for 2.5GBASE-T" to "in 2.5GBASE-T"
 "55.3.6.2" to "55.3.7.2"
 "113.3.6.2.2" to "113.3.7.2"

Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

Regarding "in 2.5GBASE-T" the base standard is incorrect. A comment has been submitted against the revision project to correct this.

So:
 leave "for 2.5GBASE-T" as is
 and change:
 "55.3.6.2" to "55.3.7.2"
 "113.3.6.2.2" to "113.3.7.2"

Cl 73 SC 73.3 P 89 L 42 # r01-1
 Marris, Arthur Cadence Design Syst

Comment Type T Comment Status D <bucket>

The change to 73.3 and other changes in Clause 73 have already been done by the 802.3cj revision project so no longer should be described in 802.3cd.

SuggestedRemedy

Remove the text relevant to the following changes from the 802.3cd draft in the following locations:

73.3 on page 89
 73.7.1 on page 91
 link_fail_inhibit_timer on page 92
 73.11.4.7 on page 94

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 73 SC 73.3 P 89 L 42 # r01-13
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

The changes shown to 73.3 have already been made in D3.1 of the revision project due to comment i-48:
<http://www.ieee802.org/3/cj/comments/P8023-D3p0-Comments-Final-byID.pdf#page=17>

SuggestedRemedy

Remove the whole of 73.3 from the draft.

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 73 SC 73.7.1 P 91 L 4 # r01-14
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

The changes shown to 73.7.1 have already been made in D3.1 of the revision project due to comment i-49:
<http://www.ieee802.org/3/cj/comments/P8023-D3p0-Comments-Final-byID.pdf#page=17>

SuggestedRemedy

Remove the whole of 73.7.1 from the draft (leave the heading for 73.7).

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 73 SC 73.7.6 P 91 L 46 # r01-30
 Marris, Arthur Cadence Design Syst

Comment Type E Comment Status D <bucket>

2.55 should be 2.5

SuggestedRemedy

Change: "2.55Gb/s 1 lane"
 To: "2.5Gb/s 1 lane"

Proposed Response Response Status W
 PROPOSED ACCEPT.

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Cl 73 SC 73.10.2 P 92 L 28 # r01-15
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D <bucket>

The changes shown to the link_fault_inhibit timer definition in 73.10.2 have already been made in D3.1 of the revision project due to comment i-50:
<http://www.ieee802.org/3/cj/comments/P8023-D3p0-Comments-Final-byID.pdf#page=17>

SuggestedRemedy

Remove the change to the link_fault_inhibit timer definition in 73.10.2 from the draft. Also remove the whole of 73.11.4.7 from the draft as this has also been done in the revision D3.1

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 136 SC 136.9.3 P 223 L 23 # r01-18
 Ran, Adeo Intel Corporation

Comment Type TR Comment Status D <bucket>

Repeating comment i-21 against D3.0 (which was rejected).

The revision project has adopted a corresponding change in clause 93 (see comment i-29 against 802.3cj D3.0). A similar change should be applied here as well.

SuggestedRemedy

Add the following sentence at the end of the first paragraph of 136.9.3.
 "The connection from TP2 to the test equipment is AC-coupled."

Add the following paragraph to 136.9.3 after the first paragraph:
 "Measurement of the DC common-mode voltage is made with a high-impedance connection to TP2 where TP2 is AC-coupled to a 100 Ohm differential termination."

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 136 SC 136.9.3 P 224 L 11 # r01-62
 Dawe, Piers J G Mellanox Technologie

Comment Type E Comment Status D <bucket>
 even-odd jitter

SuggestedRemedy

Even-odd jitter

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 136 SC 136.9.3.4 P 227 L 49 # r01-92
 Sakai, Toshiaki socionext

Comment Type E Comment Status D <bucket>

Two(2) periods.".."

SuggestedRemedy

Change ".." (two peridos) to "." (one period).

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 136 SC 136.9.4.5 P 231 L 48 # r01-91
 Sakai, Toshiaki socionext

Comment Type T Comment Status D <bucket>

This sub-clause is talking about receiver and TP3.

Change

"delay associated with the TP2 test fixture"

to

"delay associated with the TP3 test fixture".

Please refer to "mellitz_3cd_020718_adhoc-v2.pdf" page-4.

SuggestedRemedy

Change

"delay associated with the TP2 test fixture"

to

"delay associated with the TP3 test fixture".

Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 138 SC 138.8.7 P 277 L 30 # r01-22
 Anslow, Peter Ciena Corporation

Comment Type E Comment Status D bucket

In the Y axis label of Figures 138-4, 139-6, and 140-5, the "outer" is not a subscript.

SuggestedRemedy

In the Y axis label of Figures 138-4, 139-6, and 140-5, change the label so that "outer" is a subscript.

Proposed Response Response Status W
 PROPOSED ACCEPT.