

gement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of

CI 98 **SC 98.5.6.3** **P 81** **L 54** # **9**

Ran, Adeo Intel Corp.

Comment Type E **Comment Status D** *Editorial*

Should "under laying" be "underlying"?

SuggestedRemedy
per comment

Proposed Response **Response Status W**

PROPOSED REJECT.
This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Wording could be improved, particularly by removing the words 'under laying' altogether.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

CI 104 **SC 104.2** **P 86** **L 26** # **11**

Ran, Adeo Intel Corp.

Comment Type E **Comment Status D** *Editorial*

The modified text in this subclause is becoming a table in text and is very unfriendly. It would be preferable to add the DC loop resistance as rows in the existing tables (which already include link parameters such as cable length).

I assume this kind of change is undesired at this stage of working from ballot but I trust the editors to correct it in future drafts assumint it is considered an improvement.

SuggestedRemedy
Add "DC loop resistance" as rows in tables 104-1 and 104-1a.

Replace the text in this subclause to "The dc loop resistance of the link segment shall be within the limits in Table 104-1 for classes 0 through 9 and within the limits in Tbale 104-1a for classes 10 through 15".

Proposed Response **Response Status W**

PROPOSED REJECT.
This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

CI 104 **SC 104.5.1** **P 90** **L 15** # **12**

Ran, Adeo Intel Corp.

Comment Type E **Comment Status D** *Editorial*

Here "For PoDL systems there are five types" whereas in 104.4.1 "For PoDL systems there are multiple types".

Changing to "multiple" would be more consistent and somewhat future proof.

SuggestedRemedy
change "five" to "multiple".

Proposed Response **Response Status W**

PROPOSED REJECT.
This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is encouraged to resubmit this comment at Sponsor ballot, or as part of 802.3ch, which may be modifying the same text.

CI 146 **SC 146.2.10.3** **P 113** **L 37** # **13**

Ran, Adeo Intel Corp.

Comment Type T **Comment Status D** *Editorial*

"The receiver may adjust the link training and clock recovery"

"Link training" is defined as a mode of operation, and mentioning it here does not make sense.

SuggestedRemedy
Change to "The receiver may adjust the clock recovery".

Proposed Response **Response Status W**

PROPOSED REJECT.
This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is correct that link training is defined as a mode of operation. What is meant here is more appropriately referred to is the receiver adaptation, and the proposed remedy would delete that.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

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CI 146 SC 146.3.3.1 P 117 L 20 # 14
Ran, Adeo Intel Corp.

Comment Type E Comment Status D Editorial

"The integer, n, is a time index" should have no commas.

(Commas appear in similar text in several places in the base standard, but in most places there are no commas, so I would recommend choosing the better precedence).

SuggestedRemedy

Change to "The integer n is a time index".

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

CI 146 SC 146.3.3.1 P 117 L 33 # 15
Ran, Adeo Intel Corp.

Comment Type E Comment Status D Editorial

"Therefore, this symbol triplet will be used"

Not standard language. See style manual.

SuggestedRemedy

Change to "This symbol triplet is used"

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

CI 00 SC 0 P 0 L 0 # 16
Ran, Adeo Intel Corp.

Comment Type T Comment Status D Editorial

Per the style manual "The use of the word will is deprecated and shall not be used when stating mandatory requirements; will is only used in statements of fact".

The word "will" appears in several places throughout the draft where it seems to state mandatory requirements or expectations.

P38 L53
P76 L35
P94 L8
146.1.3.1, 147.1.3.1, and 148.1.3.1 (several occurrences each)
P114 L26, L28
P117 L33
P130 L35
P227 L37

SuggestedRemedy

Edit to change "will" to "shall" and/or rephrase as necessary.

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

'Expectations' are generally statements of fact, consistent with the style guide.

Commenter is encouraged to review where there may be an actual requirement and resubmit this comment at Sponsor ballot.

gement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of

CI 146 SC 146.3.3.1.1 P 118 L 27 # 17
Ran, Adee Intel Corp.

Comment Type T Comment Status D Editorial

"The loc_lpi_req is set TRUE, if low power idle mode is requested."

This can be understood as if the request is either local or remote. The variable name suggests that it is a local request. I assume the request is from the PMA (per figure 146-3).

In addition, loc_lpi_req is defined twice in this clause (also in 146.4.4.1) and it seems that both definitions refer to the same variable, so perhaps a reference to 146.4.4.1 is enough.

SuggestedRemedy

Replace the definition here to "See 146.4.4.1".

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Loc_lpi_req is clearly defined as coming from the PMA in the PMA_TX_LPI_STATUS.indication (146.2.12.1), and sending the reader to look up this one variable decreases usability of the text.

Commenter is may wish to resubmit this comment at Sponsor ballot.

CI 146 SC 146.3.3.2.2 P 122 L 28 # 18
Ran, Adee Intel Corp.

Comment Type T Comment Status D Editorial

g(x) as a generating polynomial should be defined as $x^3 + x^8$ (a polynomial over GF(2) is a sum of powers). This would be consistent with the definitions in equations 146-1 and 146-2.

(This appears several times in the base document and should be fixed in maintenance)

SuggestedRemedy

Change equation 146-3 per comment.

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Consistency with the base document is desired, and maintenance should be consulted.

Commenter is encouraged to resubmit this comment at Sponsor ballot, and, to maintenance, if needed.

gement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of

CI 146 SC 146.3.4.2 P 130 L 38 # 25
Ran, Adee Intel Corp.

Comment Type T Comment Status D Editorial

"The descrambler can acquire synchronization during the PHY training"

Per the style manual "The word can is used for statements of possibility and capability" but here it is practically a requirement.

SuggestedRemedy

Change to either

"The descrambler shall acquire synchronization during the PHY training"

or

"The descrambler acquires synchronization during the PHY training".

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

This is a statement of possibility, not a requirement. How and when it acquires synchronization is up to the implementation. Current text is the result of prior WG ballot comments.

Commenter may wish to resubmit this comment at Sponsor ballot.

CI 146 SC 146.3.4.3 P 131 L 7 # 26
Ran, Adee Intel Corp.

Comment Type E Comment Status D Editorial

The equations here use upper case subscripts M and S, whereas in 146.3.3.2.1 the transmitter polynomials (the same as here but master/slave swapped) use lower case subscripts m and s. It seems that they should be consistent.

The polynomials for the transmitter could be re-used by reference.

SuggestedRemedy

Use m and s subscripts.

Consider deleting equations 136-4 and 146-5 and instead referring to equations 146-1 and 146-2.

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter may wish to resubmit this comment at Sponsor ballot.

gement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of

CI 146 SC 146.4.4 P 134 L 25 # 27
Ran, Adeo Intel Corp.

Comment Type T Comment Status D Editorial

The term "FORCE mode" is not defined anywhere in this clause, nor in the base standard. The setting of MASTER and SLAVE roles is not a mode, it is a function.

In clause 96 there is a similar specification in 96.4.4, and the text there can be re-used.

Note that this information is repeated in 146.6.2 and in 146.6.3 so it may not be necessary here at all.

SuggestedRemedy

Replace the first paragraph of 146.4.4 with the following (taken from 96.4.4)

If the Auto-Negotiation process (Clause 98) is not implemented or not enabled, PMA_CONFIG MASTER-SLAVE configuration is predetermined to be MASTER or SLAVE via management control during initialization or via default hardware setup.

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

CI 146 SC 146.5.5.3 P 144 L 28 # 30
Ran, Adeo Intel Corp.

Comment Type T Comment Status D Editorial

"The BER is expected to be less than 10^{-9} , and, to satisfy this specification, the frame loss ratio..."

An expectation is not a specification.

SuggestedRemedy

Change to

"The BER shall be less than 10^{-9} . This specification is satisfied when the frame loss ratio"

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is correct, that there is a missing "shall" here.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

CI 146 SC 146.7.2.2 P 152 L 7 # 32
Ran, Adeo Intel Corp.

Comment Type T Comment Status D Editorial

Equation 146-13 is a definition, not a specification, so it should have an equal sign, not "greater than or equal".

Similarly in equation 146-15.

SuggestedRemedy

per comment

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is correct, equation 146-13 is a definition, and should have an equal sign.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

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CI 146 SC 146.7.2 P 151 L 35 # 34
Ran, Adeo Intel Corp.

Comment Type E Comment Status D Editorial

"is" refers to two things, so should be "are"

SuggestedRemedy

per comment

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is incorrect - the noun in this sentence is singular - "Noise". That noise is coupled between two things doesn't make noise plural.

Commenter may wish to resubmit this comment at Sponsor ballot.

CI 146 SC 146.7.2.1 P 151 L 42 # 36
Ran, Adeo Intel Corp.

Comment Type T Comment Status D Editorial

"Ensure" is a strong word that will cause trouble further in the process.

Similarly in 146.7.2.3.

SuggestedRemedy

Change the sentence to "to limit the total alien NEXT"... and similarly for FEXT.

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

This same language "to ensure" is used in parallel sections throughout the base standard.

Commenter may wish to resubmit this comment at Sponsor ballot, and perhaps to maintenance.

CI 147 SC 147.3.2.2 P 177 L 49 # 37
Ran, Adeo Intel Corp.

Comment Type E Comment Status D Editorial

"not present or enabled" - seems incorrect.

SuggestedRemedy

Change to "not present or disabled".

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is correct, wording could be improved. This same text may appear elsewhere. Probably "When Auto-Negotiation is not present or is disabled" would be clear.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

CI 147 SC 147.3.2.9 P 180 L 21 # 38
Ran, Adeo Intel Corp.

Comment Type E Comment Status D Editorial

"can" is not used for options

SuggestedRemedy

change "can" to "may"

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

Commenter is correct, 'may' would be appropriate here.

Commenter is encouraged to resubmit this comment at Sponsor ballot.

gement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of

CI 147 SC 147.5.2 P 193 L 24 # 39

Ran, Adeo Intel Corp.

Comment Type E Comment Status D Editorial

"The test modes can be enabled"

Per the style manual "The word can is used for statements of possibility and capability".

SuggestedRemedy

change "can be enabled" to "are controlled"

Proposed Response Response Status W

PROPOSED REJECT.

This comment does not apply to the substantive changes between IEEE P802.3cg D2.3 and D2.4 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

The meaning of 'can' is appropriate here and denotes possibility. If the MDIO is not present then another method is used.

Commenter may wish to resubmit this comment at Sponsor ballot.