

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

CI FM SC FM P1 L31 # I-16

Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ

cs, db, ck, and de were approved based on emails sent by IEEE Standards on 9/22/22.

SuggestedRemedy

Change: 802.3cs-202X, IEEE Std 802.3db-202X, IEEE Std 802.3ck-202X, IEEE Std 802.3de-202X
To: 802.3cs-2022, IEEE Std 802.3db-2022, IEEE Std 802.3ck-2022, IEEE Std 802.3de-2022

Proposed Response Response Status W
PROPOSED ACCEPT.

CI FM SC FM P1 L33 # I-110

Dawe, Piers J G NVIDIA
Comment Type E Comment Status D EZ

"Optical Automotive Ethernet" but this is not a proper name

SuggestedRemedy

Change to "optical automotive Ethernet"

Proposed Response Response Status W
PROPOSED ACCEPT.

CI 0 SC 0 P1 L36 # I-3

Laubach, Mark Tibit Communications, Inc.
Comment Type E Comment Status D EZ

Extra "the"

SuggestedRemedy

Replace "the The" with "The"

Proposed Response Response Status W
PROPOSED ACCEPT.

CI FM SC FM P2 L1 # I-111

Dawe, Piers J G NVIDIA
Comment Type E Comment Status D EZ

physical layer

SuggestedRemedy

Physical Layer (as at line 5 and page 12)

Proposed Response Response Status W
PROPOSED ACCEPT.

CI FM SC FM P2 L6 # I-112

Dawe, Piers J G NVIDIA
Comment Type E Comment Status D EZ

Automotive Ethernet is not a proper name

SuggestedRemedy

Change to "automotive Ethernet"

Proposed Response Response Status W
PROPOSED ACCEPT.

CI FM SC FM P7 L12 # I-113

Dawe, Piers J G NVIDIA
Comment Type E Comment Status D EZ

This says "Multi-Gigabit Optical Automotive Ethernet PHY Task Force" while the header says "Multi-Gigabit Optical Automotive Ethernet Task Force"

SuggestedRemedy

Delete PHY, twice

Proposed Response Response Status W
PROPOSED ACCEPT.

CI FM SC FM P10 L3 # I-114

Dawe, Piers J G NVIDIA
Comment Type E Comment Status D EZ

Second sentence has no verb

SuggestedRemedy

Change "Standard for Ethernet. Amendment 7" to "Standard for Ethernet, Amendment 7"

Proposed Response Response Status W
PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

CI	FM	SC	FM	P11	L47	#	I-8
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Grow, Robert KDPOF,RMG Consulting

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

Note should be updated now that we are in SA ballot. "These descriptions will be updated by the P802.3cz TF editor for SA ballot to include latest text from the listed amendments. The list below reflects project timelines as of August 2022."

SuggestedRemedy

Suggest: If progress on projects running in parallel necessitates a change in the P802.3cz amendment number, the P802.3cz Editor will update the below list (Amendments 1 through 5 are approved).

Proposed Response Response Status **W**

PROPOSED ACCEPT IN PRINCIPLE.
Change "Publication editor will add/delete items from below list to only include amendments and corrigenda approved prior to or at the same time as this amendment. The list below reflects project timelines as of August 2022."
to
"If progress on projects running in parallel necessitates a change in the P802.3cz amendment number, the P802.3cz Editor will update the below list (Amendments 1 through 5 are approved)."

CI	FM	SC	FM	P12	L7	#	I-17
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Wienckowski, Natalie General Motors Company

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

cs was approved

SuggestedRemedy

Change: 802.3cs-202x To: 802.3cs-2022

Proposed Response Response Status **W**

PROPOSED ACCEPT.

CI	FM	SC	FM	P12	L18	#	I-18
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Wienckowski, Natalie General Motors Company

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

db was approved

SuggestedRemedy

Change: 802.3db-202x To: 802.3db-2022

Proposed Response Response Status **W**

PROPOSED ACCEPT.

CI	FM	SC	FM	P12	L24	#	I-19
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Wienckowski, Natalie General Motors Company

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

ck was approved

SuggestedRemedy

Change: 802.3ck-202x To: 802.3ck-2022

Proposed Response Response Status **W**

PROPOSED ACCEPT.

CI	FM	SC	FM	P12	L26	#	I-23
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Wienckowski, Natalie General Motors Company

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

The description of ck doesn't match D3.3 of P802.3ck as approved.

SuggestedRemedy

Change: This amendment to IEEE Std 802.3-2022 adds
To: This amendment includes changes to IEEE Std 802.3-2022 and adds

Proposed Response Response Status **W**

PROPOSED ACCEPT.

CI	FM	SC	FM	P12	L31	#	I-20
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Wienckowski, Natalie General Motors Company

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

de was approved

SuggestedRemedy

Change: 802.3de-202x To: 802.3de-2022

Proposed Response Response Status **W**

PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

CI FM SC FM P12 L33 # I-22

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

The description of de doesn't match D3.1 of P802.3de as approved.

SuggestedRemedy

Change description to: Amendment 5 —This amendment includes changes to IEEE Std 802.3-202x to add 10 Mb/s Single-Pair Ethernet point-to-point PHYs to the PHYs supporting the MAC Merge function and the Time Synchronization Service Interface (TSSI).

Proposed Response Response Status W

PROPOSED ACCEPT.

CI Introdu SC Introduction P12 L48 # I-15

Torres, Luis Knowledge Development for Plastic Optical Fiber

Comment Type E Comment Status D EZ

The abstract should include the type of fiber specified in PAR.

SuggestedRemedy

Add "using graded-index glass optical fiber" after "automotive Ethernet"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI FM SC FM P15 L39 # I-115

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

Missing tabs? Tabs don't provide enough space for 3-digit clauses?

SuggestedRemedy

Fix template?

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Double-check TOC template. Adjust tab or add as necessary for 3-digit clause.

CI FM SC FM P21 L4 # I-116

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

Blank line

SuggestedRemedy

Remove

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 1 SC 1.4 P22 L5 # I-9

Grow, Robert KDPOF,RMG Consulting

Comment Type E Comment Status D EZ

I reviewed documents for base text (P802.3cx/D3.0 at date of comment) , and IMO this note can be updated.

SuggestedRemedy

The base text used to generate the editing instructions is IEEE Std 802.3-2022 as amended by IEEE Std 802.3dd-2022, IEEE Std 802.3cs-2022 (approved Draft 3.4, May 2022), IEEE Std 802.3db-2022 (approved Draft 3.2, July 2022), IEEE Std 802.3ck-2022 (approved Draft 3.3, June 2022), IEEE Std 802.3de-2022 (approved Draft 3.1, May 2022), and IEEE 802.3cx Draft 3.0 (July 2022).

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 1 SC 1.4.62a P22 L15 # I-118

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

Phrase with adjectives and no noun

SuggestedRemedy

Change "for a 10 Gb/s Ethernet full duplex over" to "for a 10 Gb/s full duplex Ethernet over" or "for 10 Gb/s full duplex over".
Similarly in 1.4.95a, 1.4.116a and 1.4.165a.

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

Cl 44 SC 44.1.4.4 P28 L19 # I-31

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

typo in Editor's instruction

SuggestedRemedy

Change: 10BASE-AU PCS/PMA/PMD
To: 10GBASE-AU PCS/PMA/PMD

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 44 SC 44.1.4.4 P28 L43 # I-33

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

The paragraphs that define the different PHY types in Table 44-1 are in Clause order, not the order they appear in the table.

SuggestedRemedy

Change: Insert the following paragraph between paragraphs 3 and 4 in 44.1.4.4 as follows:
To: Insert the following paragraph between paragraphs 7 and 8 in 44.1.4.4 as follows:

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 44 SC 44.3 P29 L3 # I-10

Grow, Robert KDPOF, RMG Consulting

Comment Type E Comment Status D EZ

Grammar -- instruction says "rows" but only inserts one row.

SuggestedRemedy

Change "rows" to "row".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 44 SC 44.3 P29 L3 # I-34

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

Only one new row is added.

SuggestedRemedy

Change: Insert new rows
To: Insert new row

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 45 SC 45.2.1 P30 L17 # I-35

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

Only one new row is added above each of the changed rows.

SuggestedRemedy

Change: and insert two new rows above each of them
To: and insert a new row above each of them
Alternatively, it could be changed to: and insert two new rows, one above each of the changed rows,

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change: "and insert two new rows above each of them"
To: "and insert a new row above each of them"

Cl 45 SC 45.2.1.158a.1 P32 L27 # I-122

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

modes of operation different of those advertised

SuggestedRemedy

modes of operation different to those advertised
or more simply,
modes of operation not advertised

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change to "modes of operation not advertised by register 1.72"

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

Cl 45 SC 45.2.1.158a.1 P32 L28 # I-37

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

awkward wording

SuggestedRemedy

Change: different of those advertised
To: different from those advertised

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change to "modes of operation not advertised by register 1.72"

See #i-122

Cl 45 SC 45.2.3.88 P34 L14 # I-106

Martino, Kjersti Inneos

Comment Type E Comment Status D EZ

Missing 's'

SuggestedRemedy

its value changes with each new transmitted message

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 78 SC 78.1.4 P46 L17 # I-123

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

"25GBASE-AU after 25GBASE-KR, and insert a row for 50GBASE-AU after 50GBASE-KR" but 25GBASE-CR is for 5 m, 25GBASE-T 30 m, 25GBASE-SR 100 m. Similarly, 50GBASE-CR for 3 m, 50GBASE-SR for 100 m. These AU PHYs are for 40 m.

SuggestedRemedy

Change "after 25GBASE-KR" to "after 25GBASE-CR" and "after 50GBASE-KR" to "after 50GBASE-CR". To make it easier to review and understand the amendment, include the unchanged row before and after each new row, and change "unchanged rows not shown" to "some unchanged rows not shown".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "after 25GBASE-KR" to "after 25GBASE-CR" and "after 50GBASE-KR" to "after 50GBASE-CR".

Include the unchanged row before and after each new row, and change "unchanged rows not shown" to "some unchanged rows not shown"

Cl 78 SC 78.5 P46 L49 # I-124

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

"25GBASE-AU after 25GBASE-KR, and insert a row for 50GBASE-AU after 50GBASE-KR" but 25GBASE-CR is for 5 m, 25GBASE-T 30 m. 50GBASE-KR and 50GBASE-CR do not appear in this table; this will be the first 50G PHY. These AU PHYs are for 40 m.

SuggestedRemedy

Change "after 25GBASE-KR" to "after 25GBASE-CR" and "after 50GBASE-KR" to "after 50GBASE-R fast wake". To make it easier to review and understand the amendment, include the unchanged row before and after each new row, and change "unchanged rows not shown" to "some unchanged rows not shown".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "after 25GBASE-KR" to "after 25GBASE-CR" and "after 50GBASE-KR" to "after 50GBASE-R fast wake".

Include the unchanged row before and after each new row, and change "unchanged rows not shown" to "some unchanged rows not shown".

Cl 131 SC 131.1.3 P59 L11 # I-130

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

"25GBASE-AU after 25GBASE-KR, and insert a row for 50GBASE-AU after 50GBASE-KR" but 25GBASE-CR is for 5 m, 25GBASE-T 30 m. 50GBASE-KR and 50GBASE-CR do not appear in this table; this will be the first 50G PHY. These AU PHYs are for 40 m.

SuggestedRemedy

Change "after 50GBASE-KR" to "after 50GBASE-CR". To make it easier to review and understand the amendment, include the unchanged row before and after each new row, and change "unchanged rows not shown" to "some unchanged rows not shown".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "after 50GBASE-KR" to "after 50GBASE-CR"

Include the unchanged row before and after each new row, and change "unchanged rows not shown" to "some unchanged rows not shown".

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

Cl 131 SC 131.1.4 P59 L28 # I-56

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

Because the Editorial instruction is "insert" the new row and column should not have underlining.

SuggestedRemedy

Remove all underline in the table.
Alternatively, change the Editorial instruction to "change".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.
Change the editorial instruction to "Change Table 131-1 inserting a row for 50GBASE-AU after 50GBASE-CR as follows (some unchanged rows not shown)" (See #i-130)

Cl 131 SC 131.1.4 P59 L35 # I-55

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

formatting

SuggestedRemedy

The line weight in Table 131-3 is not consistent. The line below 50GBASE-AU should be the thinner line below the entire row.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 166 SC 166.1 P61 L26 # I-134

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

This can be shortened

SuggestedRemedy

Change "The 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU, 25GBASE-AU, and 50GBASE-AU PHYs" to "These PHYs" (or "These PHY types").

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.
Change "The 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU, 25GBASE-AU, and 50GBASE-AU PHYs" to "These PHY types".

Cl 166 SC 166.1 P61 L28 # I-133

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

as well as, repetition

SuggestedRemedy

Suggested change:
This clause defines the types 2.5GBASE-U, 5GBASE-U, 10GBASE-U, 25GBASE-U, and 50GBASE-U Physical Coding Sublayer (PCS) as well as the 2.5GBASE-U, 5GBASE-U, 10GBASE-U, 25GBASE-U, and 50GBASE-U Physical Medium Attachment (PMA) sublayers and the 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU, 25GBASE-AU, and 50GBASE-AU Physical Medium Dependent (PMD) sublayers.
This clause defines the Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer and Physical Medium Dependent (PMD) sublayer types 2.5GBASE-U, 5GBASE-U, 10GBASE-U, 25GBASE-U, and 50GBASE-U.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.
Change "This clause defines the types 2.5GBASE-U, 5GBASE-U, 10GBASE-U, 25GBASE-U, and 50GBASE-U Physical Coding Sublayer (PCS) as well as the 2.5GBASE-U, 5GBASE-U, 10GBASE-U, 25GBASE-U, and 50GBASE-U Physical Medium Attachment (PMA) sublayers and the 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU, 25GBASE-AU, and 50GBASE-AU Physical Medium Dependent (PMD) sublayers." to
"This clause defines the Physical Coding Sublayer (PCS) and Physical Medium Attachment (PMA) types 2.5GBASE-U, 5GBASE-U, 10GBASE-U, 25GBASE-U, as well as Physical Medium Dependent (PMD) sublayer types 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU, 25GBASE-AU, and 50GBASE-AU ."

Cl 166 SC 166.1.1 P62 L22 # I-136

Dawe, Piers J G NVIDIA

Comment Type T Comment Status D EZ

m-bit binary - what? Adjectives but no noun

SuggestedRemedy

m-bit binary number?

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.
Change "m-bit binary" to
"m-bit binary number"

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

Cl 166 SC 166.1.1 P62 L23 # I-137

Dawe, Piers J G NVIDIA

Comment Type T Comment Status D EZ

fixed-point rational - what? Adjectives but no noun

SuggestedRemedy

fixed-point number?

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "rational" to "number"

Cl 166 SC 166.1.1 P62 L25 # I-4

Maguire, Valerie Copperopolis

Comment Type E Comment Status D EZ

Definitions are generally assumed to be "formal". Unless there's an "informal" definition, this adjective is redundant and potentially confusing. The phrase "definition is specified" is a little clunky, too.

SuggestedRemedy

Replace, "The fixed-point format formal definition is specified in 115.3.8." with "Fixed-point format is defined in 115.3.8."

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 166 SC 166.1.2 P62 L36 # I-138

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

this Clause

SuggestedRemedy

this clause

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "this Clause" to "this clause".

Cl 166 SC 166.1.4 P63 L37 # I-57

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

wording

SuggestedRemedy

Changed "composed by" to "composed of"
Also on P64L38, P66L46, P66L51.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See #-140.

Cl 166 SC 166.1.4 P63 L37 # I-140

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

composed by

SuggestedRemedy

composed of 8 places

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Page 63 line 37,
Page 63 line 38,
Page 66 line 46,
Page 66 line 51,
Page 71 line 34,
Page 125 line 6,
Page 144 line 15,
Page 144 line 20,

Change "by" to "of"

Cl 166 SC 166.1.4 P64 L5 # I-141

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

The reader needs some idea what proportion of the channel is given over to OAM, yet the information to work it out is not provided until 166.2.1.

SuggestedRemedy

Change "The PHD" to "The 224-bit PHD". Change "a series of encoded PHD sub-blocks" to "a series of 20-bit encoded PHD sub-blocks".

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

CI 166 SC 166.2.1 P67 L16 # I-143

Dawe, Piers J G

NVIDIA

Comment Type E Comment Status D EZ

a multiplicity - how many?

SuggestedRemedy

Delete "a multiplicity of"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.2.2.1.1 P67 L35 # I-59

Wienckowski, Natalie

General Motors Company

Comment Type E Comment Status D EZ

Periods are needed at the end of the sentences in the "Description" column as some cells contain more than one sentence, e.g. the one for PHD.RX.LINKSTATUS

SuggestedRemedy

Add periods at end of all cells in "Description" column in Table 166-2.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.2.2.1.1 P69 L28 # I-144

Dawe, Piers J G

NVIDIA

Comment Type E Comment Status D EZ

before the decoding of first RS-FEC codeword

SuggestedRemedy

before the decoding of first RS-FEC codeword
or
before decoding the first RS-FEC codeword
Also in PICS PCS4

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Page 69, line 28,

Page 144, line 46,

Change "before the decoding of first RS-FEC codeword"

to

"before decoding the first RS-FEC codeword"

CI 166 SC 166.2.2.1.3 P69 L49 # I-60

Wienckowski, Natalie

General Motors Company

Comment Type E Comment Status D EZ

wording

SuggestedRemedy

Change: The 224 PHD bits from PHD Builder are followed with 16 cyclic redundancy check bits

To: The 224 PHD bits from the PHD Builder are followed by 16 cyclic redundancy check bits

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.2.2.1.5 P70 L36 # I-61

Wienckowski, Natalie

General Motors Company

Comment Type E Comment Status D EZ

awkward wording

SuggestedRemedy

Change: The TRC encoder repeats three times each 20-bit sub-block.

To: The TRC encoder repeats each 20-bit sub-block three times.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.2.2.2 P70 L46 # I-145

Dawe, Piers J G

NVIDIA

Comment Type T Comment Status D EZ

when link is established

SuggestedRemedy

when the link has been established

or

after the link has been established

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Replace "when link is established" with "when the link has been established"

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

Cl 166 SC 166.2.2.3 P70 L50 # I-146

Dawe, Piers J G NVIDIA
 Comment Type E Comment Status D EZ

tx_group80x65B - as it's 65 bits, lower case b would avoid ambiguity

SuggestedRemedy

Change tx_group80x65B to tx_group80x65b (only 3 times)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Page 70 line 50,

Page 71 line 11,

Page 71 line 16,

Change "tx_group80x65B" to "tx_group80x65b"

Cl 166 SC 166.2.2.4 P71 L28 # I-147

Dawe, Piers J G NVIDIA
 Comment Type E Comment Status D EZ

The CW consist of

SuggestedRemedy

The CW consists of

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 166 SC 166.2.2.4 P73 L17 # I-62

Wienckowski, Natalie General Motors Company
 Comment Type E Comment Status D EZ

redundant wording, codeword and CW are the same

SuggestedRemedy

Change: codeword CW

To: codeword

Alternatively, if you are defining the definition CW, you could put: codeword (CW)

Also P160L14, P160L25, P160L27

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Page 73 line 17

Change "codeword CW"

to

"codeword (CW)".

Page 160 line 14,

Page 160 line 25,

Page 160 line 27,

Change "codeword CW" to "codeword".

Cl 166 SC 166.2.2.5 P73 L51 # I-63

Wienckowski, Natalie General Motors Company
 Comment Type E Comment Status D EZ

missing article

SuggestedRemedy

Change: produced by BASE-U binary scrambler shift register

To: produced by the BASE-U binary scrambler shift register

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

CI 166 SC 166.2.2.6 P74 L47 # I-64

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

wording

SuggestedRemedy

Change: conform with

To: conform to

Also P74L48, P86L37, P86L39

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Page 74 line 47,

Page 74 line 48,

Page 86 line 37,

Page 86 line 39,

Change "conform with" to "conform to"

CI 166 SC 166.2.2.6 P76 L38 # I-155

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

These arrows are at odd angles but it's a simple 64:64 mapping.

SuggestedRemedy

Straighten up the arrows, as in Figure 166-20

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.2.2.7.1 P77 L9 # I-65

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

missing article

SuggestedRemedy

Change: For BASE-U PCS

To: For a BASE-U PCS

Also P77L14, P77L19, P77L22, P77L51, P77L54, P79L37 (2x), P79L40, P79L41, P79L52, P79L53, P80L38, P80L48, P80L49, P81L29, P81L30, P81L44, P81L45, P82L3, P82L5, P82L9, P82L10, P82L30, P82L32, P82L43, P82L44, P82L47, P82L51, P83L18, P82L33, P83L45, P83L47, P83L48, P83L51, P84L30, P84L34, P86L48, P86L50, P87L51 (2x), P90L2, P90L6, P90L29, P91L3,

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.2.2.7.1 P77 L25 # I-66

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

I believe this is referring to multiple paragraphs before this one.

SuggestedRemedy

Change: The subscript in the labels defined in the previous paragraph

To: The subscript in the labels defined in the previous paragraphs

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.2.2.7.9 P81 L49 # I-67

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

missing article

SuggestedRemedy

Change: BASE-U PCS

To: The BASE-U PCS

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.3.1 P94 L18 # I-161

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

Table 166-6-- Bit mapping

SuggestedRemedy

Rogue space before Bit

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

CI 166 SC 166.3.1 P94 L33 # I-71

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

missing article

SuggestedRemedy

Change: Symbols shall be transmitted to PMD with
To: Symbols shall be transmitted to the PMD with

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.3.4.2 P96 L37 # I-72

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

missing Oxford comma

SuggestedRemedy

Change: clock recovery and train its equalizers
To: clock recovery, and train its equalizers

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.3.4.6.2 P102 L35 # I-162

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

each LPI refresh codewords

SuggestedRemedy

codeword ?

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "codewords"
to "codeword"

CI 166 SC 166.4.2 P103 L49 # I-46

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

missing Oxford comma

SuggestedRemedy

Add a comma after "communication channel" before "and".

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 166 SC 166.4.3.3 P105 L52 # I-173

Dawe, Piers J G NVIDIA

Comment Type E Comment Status D EZ

the last 65-bit block (i.e., the 65-bit block #79)

SuggestedRemedy

the last 65-bit block (i.e., 65-bit block 79)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "(i.e., the 65-bit block #79)"
to "(i.e., the 65-bit block 79)"

CI 166 SC 166.4.3.4 P107 L40 # I-74

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

missing article

SuggestedRemedy

Change: next codeword
To: the next codeword

Proposed Response Response Status W

PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

Cl 166 SC 166.5.1 P109 L11 # I-75

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

missing article

SuggestedRemedy

Change: as function of
To: as a function of

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 166 SC 166.5.1 P109 L13 # I-76

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

A test mode can't be a conformance requirement. It could be used to confirm compliance with a requirement.

SuggestedRemedy

Change: BER test mode is not used as a conformance requirement
To: BER test mode is not used to confirm compliance with any requirement

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 166 SC 166.5.2 P109 L19 # I-77

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ

awkward wording

SuggestedRemedy

Chgange: being nsq
To: where nsq

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change

"where nsq depends on the BASE-AU PMD under test, being nsq = 16 for 50GBASE-AU and 25GBASE-AU, nsq = 8 for 10GBASE-AU, and nsq = 4 for 5GBASE-AU and 2.5BASE-AU."

to

"where nsq depends on the BASE-AU PMD under test, with nsq = 16 for 50GBASE-AU and 25GBASE-AU, nsq = 8 for 10GBASE-AU, and nsq = 4 for 5GBASE-AU and 2.5BASE-AU."

Cl 166 SC 166.5.4 P109 L38 # I-79

Wienckowski, Natalie General Motors Company

Comment Type TR Comment Status D EZ

The current text makes no sense. I'm not sure if my interpretation is correct, but this was the only thing I could think that it meant.

SuggestedRemedy

Change: The initial values of the bit sequence A are an 8-bit sequence of 0s, 1, an 11-bit sequence of 0s, 1,

To: The initial values of the bit sequence A are an 8-bit sequence of 0s, a single bit of 1, an 11-bit sequence of 0s, a single bit of 1,

The same issue can be found in 166.5.5, the initial values of A1 and A2.

The other option is to write out all the bits as is done for A3.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Page 109 line 38,

Change "The initial values of the bit sequence A are an 8-bit sequence of 0s, 1, an 11-bit sequence of 0s, 1,"
to

"The initial values of the bit sequence A are an 8-bit sequence of 0s, a single bit of 1, an 11-bit sequence of 0s, a single bit of 1,"

Page 110 line 39

Change "The initial values of the bit sequence A1 are a 29-bit sequence of 0s, 1, a 27-bit sequence of 0s, 1, 0,
0, 1, and a 24-bit sequence of 0s."

to "The initial values of the bit sequence A1 are a 29-bit sequence of 0s, a single bit of 1, a 27-bit sequence of 0s, a single bit of 1, a single bit of 0, a single bit of 0, a single bit of 1, and a 24-bit sequence of 0s."

Page 110 line 46,

Change "The initial values of the bit sequence A2 are 0, 1, 1, 0, 1, a 9-bit sequence of 0s, 1, 0, 0, and a 10-bit sequence of 1s."

to

"The initial values of the bit sequence A2 are a single bit of 0, a 2-bit sequence of 1s, a single bit of 0, a single bit of 1, a 9-bit sequence of 0s, a single bit of 1, a 2-bit sequence of 0s, and a 10-bit sequence of 1s."

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CI 166 SC 166.6.1 P112 L13 # I-81
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
missing article
SuggestedRemedy
Change: connected to BASE-U PMA
To: connected to a BASE-U PMA
Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.6.1.1 P112 L28 # I-83
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
awkward wording
SuggestedRemedy
Change: defines the transfer of symbols value
To: defines the transfer of symbol values
Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.6.1.3.3 P113 L35 # I-84
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
missing article
SuggestedRemedy
Change: that optical signal
To: that an optical signal
Also P113L41
Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.6.2.1 P113 L48 # I-85
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
missing article
SuggestedRemedy
Change: For purpose
For the purpose
Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.7.1.1 P119 L4 # I-164
Dawe, Piers J G NVIDIA
Comment Type E Comment Status D EZ
Overview - but there is nothing else in 166.7.1
SuggestedRemedy
Remove the subclause header "166.7.1.1 Overview"
Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.7.4.1 P121 L50 # I-5
Maguire, Valerie Copperopolis
Comment Type E Comment Status D EZ
Orphaned text.
SuggestedRemedy
Move anchor for Table 166-15 so that the table appears after the text, "fourth-order Bessel-Thomson filter response."
Proposed Response Response Status W
PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

CI 166 SC 166.7.8.1 P124 L16 # I-88

Wienckowski, Natalie General Motors Company

Comment Type T Comment Status D EZ
typo

SuggestedRemedy

Change: 50GBASE-A
To: 50GBASE-AU

Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.7.9 P129 L16 # I-91

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ
grammar

SuggestedRemedy

Change: transmitter with a values of STDFOM
To: transmitter with values of STDFOM
Also L20, L24, L28, and L32.

Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.7.10 P129 L48 # I-92

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ
This is a confusing run-on sentence.

SuggestedRemedy

Change: Stressed receiver sensitivity condition 1 and 2 shall be within the limits given in Table 166–10 if measured using the methodology defined in 166.7.10.1 and 166.7.10.3, with the conformance test signal at TP3 as described in 166.7.10.2 for condition 1 and 2 respectively, respectively, using the test patterns for stressed receiver sensitivity specified in Table 166–13 for BASE-AU with G = 1 or in Table 166–14 for BASE-AU with G = 2.
To: Stressed receiver sensitivity shall be within the limits given in Table 166–10 if measured using the methodology defined in 166.7.10.1 and 166.7.10.3, with the conformance test signal at TP3 as described in 166.7.10.2, for conditions 1 and 2, respectively. The test patterns for stressed receiver sensitivity that are used are those specified in Table 166–13 for BASE-AU with G = 1 or in Table 166–14 for BASE-AU with G = 2.

Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.7.10.1 P130 L36 # I-93

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ
Subject verb agreement

SuggestedRemedy

Change: The FFE filter P(z) have
To: The FFE filter P(z) has

Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.7.10.1 P132 L7 # I-94

Wienckowski, Natalie General Motors Company

Comment Type E Comment Status D EZ
Alternatively and also are redundant.

SuggestedRemedy

Change: Alternatively, OMATP3 can be also measured using the method described in 166.7.4.
To: Alternatively, OMATP3 can be measured using the method described in 166.7.4.

Proposed Response Response Status W
PROPOSED ACCEPT.

CI 166 SC 166.7.10.4 P133 L28 # I-95

Wienckowski, Natalie General Motors Company

Comment Type T Comment Status D EZ
Incorrect reference. Table 166-18 is for 2.5G/5G/10GBASE-AU.

SuggestedRemedy

Change: Table 166–19
To: Table 166-18

Proposed Response Response Status W
PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

Cl 166 SC 166.9 P134 L42 # I-97
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
Subject verb agreement
SuggestedRemedy
Change: cabling consist
To: cabling consists
Proposed Response Response Status W
PROPOSED ACCEPT.

Cl 166 SC 166.9.2 P134 L54 # I-98
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
Subject verb agreement
SuggestedRemedy
Change: consist
To: consists
Proposed Response Response Status W
PROPOSED ACCEPT.

Cl 166 SC 166.11 P136 L8 # I-100
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
incorrect comma placement
SuggestedRemedy
Change: OAM channel functionality shall be active when both, the transmitted and received fields PHD.CAP.OAM, are equal to one, and disabled otherwise.
To: OAM channel functionality shall be active when both the transmitted and received fields, PHD.CAP.OAM, are equal to one, and disabled otherwise.
Proposed Response Response Status W
PROPOSED ACCEPT.

Cl 166 SC 166.12 P137 L6 # I-101
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
missing article
SuggestedRemedy
Change: Received signal
To: The received signal
Proposed Response Response Status W
PROPOSED ACCEPT.

Cl 166 SC 166.14.3 P138 L49 # I-103
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
Subject verb agreement
SuggestedRemedy
Change: environment(s) require
To: environment(s) requires
Proposed Response Response Status W
PROPOSED ACCEPT.

Cl 166 SC 166.14.5 P139 L26 # I-104
Wienckowski, Natalie General Motors Company
Comment Type E Comment Status D EZ
awkward wording
SuggestedRemedy
Change: where explicitly defines
To: which explicitly defines
Proposed Response Response Status W
PROPOSED ACCEPT.

IEEE P802.3cz D3.01 Multi-Gigabit Optical Automotive Ethernet Initial Sponsor ballot comments

<i>Cl</i> 166A	<i>SC</i> 166A.3	<i>P</i> 159	<i>L</i> 1	<i>#</i> I-105
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Wienckowski, Natalie General Motors Company

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SuggestedRemedy

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PROPOSED ACCEPT.

<i>Cl</i> 166B	<i>SC</i> 166B.2	<i>P</i> 160	<i>L</i> 31	<i>#</i> I-172
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Dawe, Piers J G NVIDIA

<i>Comment Type</i> E	<i>Comment Status</i> D	<i>EZ</i>
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Table title should include "example"

SuggestedRemedy

Example RS-FEC(544,522) codeword

or

RS-FEC(544,522) codeword example

<i>Proposed Response</i>	<i>Response Status</i> W
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PROPOSED ACCEPT.