

Proposed Responses

IEEE P802.3cy D1.2 10G+ Auto Task Force 3rd Task Force review comments

CI FM SC FM P1 L8 # 151

Carlson, Steve HSD Bosch Ethernovia
Comment Type E Comment Status D bucket

Change title to reflect 25GBASE-T1 only and change admendment number.

SuggestedRemedy

Draft Standard for Ethernet Amendment 10: Physical Layer Specifications and Management Parameters 25 Gb/s Electrical Automotive Ethernet

Proposed Response Response Status W

PROPOSED ACCEPT.

CI FM SC FM P1 L29 # 152

Carlson, Steve HSD Bosch Ethernovia
Comment Type E Comment Status D bucket

Change title to reflect 25GBASE-T1 only and change admendment number.

SuggestedRemedy

Change to: This draft is an amendment of IEEE Std 802.3-2022 as amended by IEEE Std 802.3dd-2022, IEEE Std 802.3cs-2022, IEEE Std 802.3db-2022, IEEE Std 802.3de-2022, and IEEE Std 802.3cx-202x. The purpose of the amendment is to specify physical layer specifications and management parameters for 25 Gb/s operation on automotive cabling in an automotive application. Draft D1.3 is prepared for the Task Force review. This draft expires 6 months after the date of publication or when the next version is published, whichever comes first.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Minor editorial changes (spaces, commas)

Change to: This draft is an amendment of IEEE Std 802.3-2022 as amended by IEEE Std 802.3dd-2022, IEEE Std 802.3cs-2022, IEEE Std 802.3db-2022, IEEE Std 802.3de-2022, and IEEE Std 802.3cx-202x. The purpose of the amendment is to specify physical layer specifications and management parameters for 25 Gb/s operation on automotive cabling in an automotive application. Draft D1.3 is prepared for the Task Force review. This draft expires 6 months after the date of publication or when the next version is published, whichever comes first.

CI FM SC FM P2 L3 # 153

Carlson, Steve HSD Bosch Ethernovia
Comment Type E Comment Status D bucket

Add Abstract

SuggestedRemedy

Abstract: This amendment to IEEE Std 802.3-2022 adds physical layer specifications and management parameters for 25 Gb/s operation on a single balanced pair of conductors suitable for automotive applications

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Minot editorial changes (missing ".")

Abstract: This amendment to IEEE Std 802.3-2022 adds physical layer specifications and management parameters for 25 Gb/s operation on a single balanced pair of conductors suitable for automotive applications.

CI FM SC FM P2 L4 # 154

Carlson, Steve HSD Bosch Ethernovia
Comment Type E Comment Status D bucket

Add Keywords

SuggestedRemedy

25GBASE-T1; Automotive Ethernet; IEEE 802.3cy™; MASTER/SLAVE; Medium Dependent Interface; Physical Coding Sublayer; Physical Layer; Physical Medium Attachment.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Removed MASTER/SLAVE from keywords

25GBASE-T1; Automotive Ethernet; IEEE 802.3cy™; Medium Dependent Interface; Physical Coding Sublayer; Physical Layer; Physical Medium Attachment.

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Cl **FM** SC **FM** P**12** L # **155**  
 Carlson, Steve HSD Bosch Ethernovia  
 Comment Type **E** Comment Status **D** bucket

SuggestedRemedy

IEEE Std 802.3cy™-20xx: This amendment includes changes to IEEE Std 802.3-2022 and adds Clause 165 and Annex 165A. This amendment adds physical layer specifications and management parameters for operation at 25 Gb/s over a single balanced pair of conductors.

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

Cl **00** SC **0** P L # **199**  
 Wienckowski, Natalie General Motors  
 Comment Type **T** Comment Status **D** bucket, .3cy PHY

SuggestedRemedy

Change: <<.3cy PHY>>  
 To: 25GBASE-T1

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

Cl **1** SC **1.3** P**24** L # **156**  
 Carlson, Steve HSD Bosch Ethernovia  
 Comment Type **T** Comment Status **D** bucket  
 P802.3cy has made no additions to C 1.3

SuggestedRemedy

Delete C 1.3 from the draft

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

Cl **1** SC **1.5** P**25** L # **157**  
 Carlson, Steve HSD Bosch Ethernovia  
 Comment Type **T** Comment Status **D** bucket  
 P802.3cy has made no additions to C 1.5

SuggestedRemedy

Delete C 1.5 from the draft

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

Cl **45** SC **45.2.3** P**31** L**28** # **161**  
 Wienckowski, Natalie General Motors  
 Comment Type **E** Comment Status **D** bucket  
 Editor's note is no longer needed as the OAM registers were removed in D1.2.

SuggestedRemedy

Delete: Editor's Note (to be removed prior to the first Working Group ballot): Reviewers are encouraged to consider whether the following "MultiGBASE-T1 OAM registers" can be used "as-is" or if new registers are needed.

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

Cl **78** SC **78.1** P**41** L**2** # **184**  
 Wienckowski, Natalie General Motors  
 Comment Type **E** Comment Status **D** bucket  
 missing title

SuggestedRemedy

Between 78 and 78.1.2 add: 78.1 Overview

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

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Cl 165 SC 165 P61 L5 # 214  
 Zimmerman, George CME Consulting/various  
 Comment Type E Comment Status D bucket, .3cy PHY  
 Replace <<.3cy PHY>> in title, and elsewhere in clause 165 with 25GBASE-T1  
 SuggestedRemedy  
 see comment  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.2.2.1 P70 L36 # 216  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 a MultiGBASE-T1 link' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.2 P68 L43 # 215  
 Zimmerman, George CME Consulting/various  
 Comment Type E Comment Status D bucket  
 Delete editorial note and accept content of 165.2 (subject to changes in other comments)  
 SuggestedRemedy  
 see comment  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.2.2.2 P62 L3 # 217  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 a MultiGBASE-T1 link' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.2.1.2.1 P69 L49 # 213  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 "that a valid MultiGBASE-T1 link" - should just refer to 25GBASE-T1. This clause only refers to 25GBASE-T1.  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.1 P77 L24 # 219  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.2.2 P70 L12 # 218  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.2.2 P79 L5 # 220  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

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Cl 165 SC 165.3.2.2.3 P81 L46 # 221  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.2.2.13 P86 L16 # 225  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.2.2.4 P83 L12 # 222  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.6.3 P98 L19 # 226  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.2.2.4 P83 L50 # 223  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.7.2.4 P102 L47 # 227  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.2.2.9 P85 L1 # 224  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.7.3 P107 L43 # 228  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

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Cl 165 SC 165.3.9 P112 L4 # 229  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.9 P112 L6 # 230  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.9.2 P112 L24 # 231  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 The MultiGBASE-T1 OAM functions are... should refer to 25GBASE-T1 - here the other one is called MultiGBASE-T1 (cl 149) so it is doubly confusing  
 SuggestedRemedy  
 change the both instances of MultiGBASE-T1 in the sentence to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.3.9.2.1 P112 L26 # 232  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change header to 25GBASE-T1 OAM frame structure, and change first sentence (L29) to "The 25GBASE-T1 OAM frame..."  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.4.1 P114 L50 # 233  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.4.2.1 P116 L7 # 234  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.4.2.4.5 P119 L32 # 235  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

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IEEE P802.3cy D1.2 10G+ Auto Task Force 3rd Task Force review comments

Cl 165 SC 165.4.2.5 P121 L 39 # 236  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.4.2.6 P122 L 39 # 237  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.5.3.1 P135 L 24 # 208  
 Tu, Mike Broadcom  
 Comment Type T Comment Status D bucket  
 Remove the editorial note  
 SuggestedRemedy  
 Remove the editorial note  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.7.1 P142 L 49 # 238  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.7.1.1 P143 L 3 # 239  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.7.1.1 P143 L 3 # 150  
 Hajduczenia, Marek Charter  
 Comment Type T Comment Status D bucket, .3cy PHY  
 There are multiple instances of "MultiGBASE-T1" in Clause 165, but it seems that we have converged on using 25GBASE-T1, since that is what we are specifying, with optional bonding for 50G and 100G operation.  
 SuggestedRemedy  
 Change all instances of MultiGBASE-T1 to 25GBASE-T1 in Clause 165 and Annex 165A  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.7.1.3.2 P145 L 44 # 266  
 Jonsson, Ragnar Marvell  
 Comment Type ER Comment Status D bucket  
 Invalid equation reference  
 SuggestedRemedy  
 The equation reference "xxx-3" should be changed to "(165-28)  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Proposed Responses

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Cl 165 SC 165.7.1.4 P147 L17 # 240  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.7.1.6 P148 L52 # 241  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.7.2 P148 L41 # 273  
 Kadry, Haysam Ford Motor Company  
 Comment Type E Comment Status D bucket  
 SuggestedRemedy  
 Remove editorial note  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.8 P150 L42 # 195  
 Wienckowski, Natalie General Motors  
 Comment Type E Comment Status D bucket  
 Delete Editorial Note.  
 SuggestedRemedy  
 Delete: Editorial Note (to be removed prior to publication): The content of this subclause has not been explicitly approved and has been included to stimulate discussion. TF participants are encouraged to carefully review this content and comment as needed.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.3 P155 L17 # 242  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.2.1 P156 L16 # 158  
 Carlson, Steve HSD Bosch Ethernovia  
 Comment Type T Comment Status D bucket, PICS  
 PCT15 needs to be updated to P802.3cy values  
 SuggestedRemedy  
 Change PCT15 Value/Comment to: The RS-FEC encoding takes the 8460-bit vector, consisting of tx\_group130x65B, and the 10-bit OAM\_field, and shall generate the 90 10-bit parity symbols (900 bits total).  
 Proposed Response Response Status W  
 PROPOSED ACCEPT IN PRINCIPLE.

Change PCT15 Value/Comment to: The RS-FEC encoding takes the 8460-bit vector, consisting of tx\_group130x65B, and the 10-bit OAM\_field, and generates the 90 10-bit parity symbols (900 bits total).

Proposed Responses

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CI 165 SC 165.11.4.2.8 P L 8 # 159

Carlson, Steve HSD Bosch Ethernovia  
 Comment Type T Comment Status D bucket, PICS

OAM2 needs to be updated to P802.3cy values

SuggestedRemedy

Change OAM2 Feature to: When the PCS frame is operating in interleaved mode of 2x, 4x, or 8x the first symbol (OAM<0>) shall be inserted in the first RS frame in the superframe so that the full OAM frame can be packed into eight superframes in the 2x interleaved mode, into four superframes in the 4x interleaved mode, and into two superframes in the 8x interleaved mode.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change OAM2 Feature to: When the PCS frame is operating in interleaved mode of 2x, 4x, or 8x the first symbol (OAM<0>) is inserted in the first RS frame in the superframe so that the full OAM frame can be packed into eight superframes in the 2x interleaved mode, into four superframes in the 4x interleaved mode, and into two superframes in the 8x interleaved mode.

CI 165 SC 165.11.4.3.2 P162 L 22 # 283

Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS

Value / Comment should bpoint to 165.5.6

SuggestedRemedy

Change Value / Comment to "Comply with 165.5.6"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 165 SC 165.11.4.3.2 P162 L 25 # 285

Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS

Feature should be more descriptive

SuggestedRemedy

Change Feature to "TX\_TCLK source when the PMA\_CONFIG.indication parameter config is MASTER"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 165 SC 165.11.4.3.2 P162 L 31 # 286

Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS

Feature should be more descriptive

SuggestedRemedy

Change Feature to "TX\_TCLK source when the PMA\_CONFIG.indication parameter config is SLAVE"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 165 SC 165.11.4.3.3 P163 L 10 # 284

Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS

Feature doesn't specify 45.2.17.5

SuggestedRemedy

Change Feature to "If the MDIO interface is implemented, then this function shall contribute to the receive fault bit specified in 45.2.17.5 and 45.2.1.193.7."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change Feature to "If the MDIO interface is implemented, then this function contributes to the receive fault bit specified in 45.2.17.5 and 45.2.1.193.7."

CI 165 SC 165.11.4.3.4 P163 L 39 # 287

Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS

Duplicate feature in PCF7 and PCF8 for the receiver

SuggestedRemedy

Change Feature to "Any Message Field value not listed in Table 165-7 or Table 165-8 shall not be transmitted"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change Feature to "Any Message Field value not listed in Table 165-7 or Table 165-8 is not transmitted"



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Cl 165 SC 165.11.4.3.5 P164 L 23 # 288  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 Value / Comment field is incorrect  
 SuggestedRemedy  
 Change Value / Comment to "Set to an integer multiple of 32"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.3.6 P165 L 22 # 277  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 5GBASE-T1 and 2.5GBASE-T1 not included in this clause  
 SuggestedRemedy  
 Remove PLS7 and PLS8. Renumber remaining rows.  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.3.6 P165 L 6 # 290  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 Status is incorrect  
 SuggestedRemedy  
 Change Status to "!AN:M"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.3.6 P165 L 31 # 243  
 Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY  
 MultiGBASE-T1' should be 25GBASE-T1  
 SuggestedRemedy  
 Change MultiGBASE-T1 to 25GBASE-T1  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.3.6 P165 L 19 # 276  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 10GBASE-T1 is still listed and should be 25GBASE-T1  
 SuggestedRemedy  
 Change Feature to "25GBASE-T1 mapping of Sn[0] to Tn" and change the Value /  
 Comment to "If Sn[0] = 0 then Tn = +1 +1 ... +1 (repeated 20 times), If Sn[0] = 1 then Tn =  
 -1 -1 ... -1 (repeated 20 times)."  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.3.6 P165 L 36 # 289  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 Number of partial PHY frames doesn't match text  
 SuggestedRemedy  
 Remove " x S" from the Feature description  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.3.6 P165 L 44 # 279  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 send\_s\_timer has incorrect expiration  
 SuggestedRemedy  
 Change Value / Comment to "Expires 1.25 us +- 0.025 us after being started"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

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CI 165 SC 165.11.4.3.6 P165 L46 # 280  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 sigdet\_wait\_timer has incorrect expiration  
 SuggestedRemedy  
 Change Value / Comment to "Expires 5 us +- 0.025 us after being started"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 165 SC 165.11.4.3.6 P165 L48 # 281  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 Silient\_wait\_timer is missing from the table  
 SuggestedRemedy  
 Add row as follows: PLS14 | silent\_wait\_timer | 165.4.2.6.2 | Expires 1.25 us +- 0.025 us after being started." | M | Yes []  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 165 SC 165.11.4.3.10 P166 L37 # 282  
 Lewis, Jon Dell Technologies  
 Comment Type T Comment Status D bucket, PICS  
 Value / Comment doesn't align with clause text  
 SuggestedRemedy  
 Change Value / Comment to "Period equal to 50 complete quiet-refresh signal periods, equivalent to <font color RED> TBD <!font color RED> ms"  
 Proposed Response Response Status W  
 PROPOSED ACCEPT.

CI 165 SC 165.11.4.4 P167 L1 # 145  
 Hajduczenia, Marek Charter  
 Comment Type E Comment Status D bucket, PICS  
 Per my homework assignment, PICS in 165.11.4.4 were reviewed against D1.2 and changes are proposed  
 SuggestedRemedy

- Make the following changes to individual PICS items:
- change Feature in PICS item TM3, by replacing "The test modes shall only change the data symbols" to "The test modes only change the data symbols", there is no need to repeat SHALL statement the PICS covers within the text of the PICS
  - insert a PICS item TM10: | TM10 | Test Mode 7 | 165.5.1 | Described in 165.5.1 | M | Yes [] | - note that it is the only test mode described today that has no mandatory requirements. This might need to be looked at separately.
  - change Subclause in TES1 and TES2 from 165.5.6 to 165.5.3
  - remove item TES6 and TES7 and renumber subsequent PICS accordingly, and change TES5 to read: | TES5 | Transmitter SNDR distortion for 25GBASE-T1 | 165.5.3.2 | Exceed TBD dB | M | Yes [] | + replace statement "The transmitter SNDR distortion, as specified in 120D.3.1.6, shall exceed 38 dB in 10GBASE-T1, 36 dB in 5GBASE-T1, and 35 dB in 2.5G modes" in 165.5.3.2 with "The transmitter SNDR distortion, as specified in 120D.3.1.6, shall exceed TBD dB in 25GBASE-T1 modes"
  - change Value/Comment for TES23 to read "Within the range 14 062.5 MHz ± 50 ppm"
  - add a new section 165.11.4.4.4 Mated test fixtures with the following PICS items
    - | TF1 | Insertion loss | 165.5.5.3.1 | See Equation (165–17) and Equation (165–18) | M | Yes [] |
    - | TF2 | Return loss | 165.5.5.3.2 | See Equation (165–20) | M | Yes [] |
    - | TF3 | Mode conversion | 165.5.5.3.3 | See Equation (165–21) | M | Yes [] |
    - | TF4 | Crosstalk | 165.5.5.3.4 | See Equation (165–22) | M | Yes [] |

- Fix capitalization issues as follows
- page 142, line 11: "The Mode Conversion of the" > "The mode conversion of the"
  - page 142, line 5: "The Return loss" > "The return loss"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Proposed Responses

IEEE P802.3cy D1.2 10G+ Auto Task Force 3rd Task Force review comments

Cl 165 SC 165.11.4.5 P169 L1 # 149

Hajduczenia, Marek Charter  
 Comment Type E Comment Status D bucket, PICS

Per my homework assignment, PICS in 165.11.4.5 were reviewed against D1.2 and changes are proposed

SuggestedRemedy

- Make the following changes to individual PICS items:
- Change LSC2 to read: | LSC2 | Return loss | 165.7.1.3.1 | See Equation (165–24) | M | Yes[] |
  - Change LSC3 to read: | LSC3 | Residual Echo Metric | 165.7.1.3.3 | See Equation (165–35) | M | Yes[] |
  - Change LSC4 to read: | LSC4 | Echo Tail Metric | 165.7.1.3.4 | See Equation (165–36) | M | Yes[] |
  - Change Value/Comment in LSC6 to read: "Not to exceed 94 ns at all frequencies between 2 MHz and 9000 MHz"

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.6 P169 L22 # 148

Hajduczenia, Marek Charter  
 Comment Type E Comment Status D bucket, PICS

Per my homework assignment, PICS in 165.11.4.6 were reviewed against D1.2 and changes are proposed

SuggestedRemedy

In PICS MDI1, change "shall be met" to "are met", there is no need to repeat SHALL statement the PICS covers within the text of the PICS

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165 SC 165.11.4.7 P169 L37 # 147

Hajduczenia, Marek Charter  
 Comment Type E Comment Status D bucket, PICS

Per my homework assignment, PICS in 165.11.4.7 were reviewed against D1.2 and confirmed to be correct.

SuggestedRemedy

No change to the draft needed at this time. Feel free to reject this comment, it is submitted for public record only.

Proposed Response Response Status W  
 PROPOSED REJECT.

No changes to the draft needed.

Cl 165A SC 165A.5 P175 L47 # 244

Zimmerman, George CME Consulting/various  
 Comment Type T Comment Status D bucket, .3cy PHY

MultiGBASE-T1' should be 25GBASE-T1 (please note that page 171, annex 149B was skipped ON PURPOSE)

SuggestedRemedy

Change MultiGBASE-T1 to 25GBASE-T1

Proposed Response Response Status W  
 PROPOSED ACCEPT.

Cl 165A SC 165A.5 P175 L51 # 275

Kadry, Haysam Ford Motor Company  
 Comment Type T Comment Status D bucket

provdie crosstalk name and equation reference

SuggestedRemedy

TBD is (power sum alien near-end) specified in Equation (165–38).

Proposed Response Response Status W  
 PROPOSED ACCEPT.