Cl 149 SC 149.9.2.2 P97 L51 # [1______]
Jones, Chad Cisco

Comment Type ER Comment Status D

"In addition, the system may need to comply with more stringent requirements as agreed upon between customer and supplier, for the limitation of electromagnetic interference." the customer and supplier have no business in an interoperability spec. Delete this text.

SuggestedRemedy

change to: "In addition, the system may need to comply with more stringent requirements for the limitation of electromagnetic interference."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. Change: In addition, the system may need to comply with more stringent requirements as agreed upon between customer and supplier, for the limitation of electromagnetic interference.

To: In addition, the system may need to comply with more stringent requirements for the limitation of electromagnetic interference.

Jones, Chad Cisco

ER

"Exact test setup and test limit values may be adapted to each specific application, subject to agreement between the customer and the supplier." the customer and supplier have no business in an interoperability spec. Delete this text.

SuggestedRemedy

Comment Type

change to: "Exact test setup and test limit values may be adapted to each specific application."

Comment Status D

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 149 SC 149.9.1

P**97**

L21

3

Jones, Chad Cisco

Comment Type ER Comment Status D

"All equipment subject to this clause may be additionally required to conform to any applicable local, state, or national standards or as agreed to between the customer and supplier." the customer and supplier have no business in an interoperability spec. Delete this text.

SuggestedRemedy

change to: "All equipment subject to this clause may be additionally required to conform to any applicable local, state, or national standards."

Proposed Response

Response Status W

PROPOSED ACCEPT IN PRINCIPLE

Change: All equipment subject to this clause may be additionally required to conform to any applicable local, state, or national standards or as agreed to between the customer and supplier.

To: All equipment subject to this clause shall conform to all applicable local, state, national, and application-specific standards.

Cl 78 SC 78.1 P30 L11 # 4
Wienckowski, Natalie General Motors

Comment Type T Comment Status X

Add Section 78.1.4, Table 78-1 with 2.5GBASE-T1, 5GBASE-T1 and 10GBASE-T1, all referenced to Clause 149.

SuggestedRemedy

Insert a row for 2.5GBASE-T1 after 2.5GBASE-T, insert a row for 5GBASE-T1 after 5GBASE-T, and insert a row for 10GBASE-T1 after 10GBASE-T.

Proposed Response Status O

Cl 125 SC 125.1.4 P35 L17 # 5

Wienckowski, Natalie General Motors

Comment Type E Comment Status X

missing space

SuggestedRemedy

Change "64B/65Bencoding" to "64B/65B encoding".

Proposed Response Response Status O

C/ 149 SC 149.1 P38 L14 # 6 C/ 149 SC 149.1.3 P40 L26 # 9 Wienckowski, Natalie **General Motors** Wienckowski, Natalie General Motors Comment Type E Comment Status X Comment Type E Comment Status X missing comma missing space SuggestedRemedy SuggestedRemedy Change "The 2.5GBASE-T1, 5GBASE-T1 and 10GBASE-T1 PHYs" to "The 2.5GBASE-Change "10GBASE-T1over" to "10GBASE-T1 over" T1. 5GBASE-T1. and 10GBASE-T1 PHYs" Proposed Response Response Status O Proposed Response Response Status O C/ 149 SC 149.2.2.4.2 P47 L17 C/ 149 SC 149.1 P38 L17 Wienckowski. Natalie **General Motors** Wienckowski. Natalie General Motors Comment Type E Comment Status X Comment Status X Comment Type E missing comma missing comma SuggestedRemedy SuggestedRemedy Change "for 5GBASE-T1 and 5625 MHz for" to "for 5GBASE-T1, and 5625 MHz for" Change "The 2.5GBASE-T1, 5GBASE-T1 and 10GBASE-T1 PHYs" to "The 2.5GBASE-Proposed Response Response Status O T1. 5GBASE-T1. and 10GBASE-T1 PHYs" Proposed Response Response Status 0 C/ 149 SC 149.3.2.2.3 P**54** L33 # 11 Wienckowski. Natalie **General Motors** C/ 149 SC 149.1 P38 L19 Comment Type E Comment Status X Wienckowski. Natalie General Motors missing comma Comment Type E Comment Status X SuggestedRemedy missing comma Change "/O/. /S/ and /T/" to "/O/. /S/. and /T/". SuggestedRemedy Proposed Response Response Status O Change "The 2.5GBASE-T1.5GBASE-T1 and 10GBASE-T1 PHYs" to "The 2.5GBASE-T1. 5GBASE-T1. and 10GBASE-T1 PHYs" Proposed Response Response Status O SC 149.3.2.2.6 P**57** C/ 149 L46 Wienckowski. Natalie **General Motors** Comment Type E Comment Status X missing comma SugaestedRemedy Change "2.5, 5 and 10" to "2.5, 5, and 10". Proposed Response Response Status O

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Comment ID

Comment ID 12

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C/ 149 SC 149.3.3 P66 L39 # 13 C/ 149A SC 149A.1 P102 L32 # 16 Wienckowski, Natalie **General Motors** Wienckowski, Natalie General Motors Comment Type E Comment Status X Comment Type E Comment Status X missing comma missing comma SuggestedRemedy SuggestedRemedy Change "the local transmitter, the channel and remote receiver." to "the local transmitter, Change "cable, PCB connectors and inline connectors" to "cable, PCB connectors, and the channel, and remote receiver.". inline connectors" Proposed Response Response Status O Proposed Response Response Status O C/ 149 SC 149.7 P**93** L 52 CI 44 SC 44.1.3 P23 L23 # 17 Wienckowski. Natalie Wienckowski. Natalie General Motors General Motors Comment Status X Comment Type E Comment Type E Comment Status X missing comma Renumber figures and change editor instruction SuggestedRemedy SuggestedRemedy Change "2.5 Gb/s, 5 Gb/s and 10 Gb/s" to "2.5 Gb/s, 5 Gb/s, and 10 Gb/s". Change editor instruction to: Replace Figure 44-1 with Figure 44-1a and Figure 44-1b as shown below. Proposed Response Response Status O Renumber Figure 44-1 to 44-1a. Renumber Figure 44-1a to 44-1b. Proposed Response Response Status O SC 149A.1 P102 C/ 149A / 12 # 15 Wienckowski. Natalie General Motors C/ 125 SC 125.1.2 P33 Comment Type E Comment Status X **L8** # 18 Wienckowski, Natalie General Motors missing comma Comment Type E Comment Status X SuggestedRemedy Renumber figures and change editor instruction Change " 2.5GBASE-T1, 5GBASE-T1 and 10GBASE-T1" to "2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1" SuggestedRemedy Proposed Response Response Status 0 Change editor instruction to: Replace Figure 125-1 (as modified by IEEE Std 802.3cb-2018) with Figure 125-1a and Figure 125-1b as shown below. Insert the following text at the end of the list after d) of 125.1.2 (as modified by IEEE Std 802.3cb-2018) as follows: Renumber Figure 125-1 to 125-1a. Renumber Figure 125-1a to 125-1b. Proposed Response Response Status 0

Cl 44 SC 44.1.3 P24 L15 # 19 C/ 149 SC 149.1.3.4 P41 L49 # 23 Wienckowski. Natalie **General Motors** Wienckowski. Natalie General Motors Comment Type E Comment Status X Comment Type T Comment Status X 10GBASE-T1 does not hav a LDPC PCS. Change 1 us to 1.25 us per send s timer SuggestedRemedy SuggestedRemedy In 10GBASE-T1 stack, change "LDPC PCS" to "64B/65B PCS". Change "the MASTER PHY sends a synchronization sequence for 1 µs." to "the MASTER PHY sends a synchronization sequence for 1.25 us." Proposed Response Response Status O Proposed Response Response Status O C/ 149 SC 149.5.5.1 P91 L1 # 20 C/ 149 SC 149.1.3.4 P41 L 50 Wienckowski. Natalie General Motors Wienckowski. Natalie General Motors Comment Type E Comment Status X Comment Status X Comment Type T Carryover of comment #24 from D0p5. Change to 6.25 us, sum of send s timer and sigdet wait timer. SuggestedRemedy SuggestedRemedy Redraw Figure 149-20 in FM. Change "MASTER repeats by sending a synchronization sequence every 5 µs." to Proposed Response Response Status O "MASTER repeats by sending a synchronization sequence every 6.25 µs." Proposed Response Response Status O C/ 149 SC 149.1.3.1 P**40** L41 # 21 Wienckowski. Natalie **General Motors** C/ 149 SC 149.1.3.4 P41 L51 # 25 Comment Status X Comment Type E General Motors Wienckowski. Natalie Change awkward wording: A 10-bit OAM field is next appended Comment Type T Comment Status X SuggestedRemedy Change 1 us to 1.25 us per send s timer Change "A 10-bit OAM field is next appended" to "Next, a 10-bit OAM field is appended". SuggestedRemedy Proposed Response Response Status O Change "it responds with a synchronization sequence for 1 µs" to "it responds with a synchronization sequence for 1.25 µs". Proposed Response Response Status O C/ 149 SC 149.1.3.3 P41 L31 # 22 Wienckowski, Natalie **General Motors** Comment Type T Comment Status X These PHYs use XGMII

SugaestedRemedy

Proposed Response

Change "GMII" to "XGMII". Also on line 34.

Response Status O

C/ 149 SC 149.1.3.4 P**41** L 52 # 26 C/ 149 SC 149.3.2.2 P53 L32 # 29 Wienckowski, Natalie **General Motors** Wienckowski. Natalie General Motors Comment Type T Comment Status X Comment Type T Comment Status X Change to 5 us per sigdet wait timer. accept highlighted text for PAM 2 levels SuggestedRemedy SuggestedRemedy Change "after the SLAVE response for 4 µs" to "after the SLAVE response for 5 µs". Remove yellow highlighting on "2/3, 2/3) to keep the transmit power in the training mode close to the transmit power in normal mode." Proposed Response Response Status O Proposed Response Response Status O C/ 149 SC 149.2.1.1.1 P43 L29 # 27 SC 149.1.3 C/ 149 P39 L14 # 30 Wienckowski. Natalie **General Motors** Tu. Mike Broadcom Comment Type E Comment Status X Comment Type TR Comment Status X Make DISABLE and ENABLE statements parallel. Change "TBD encoding" to "64B/65B encoding" SuggestedRemedy SuggestedRemedy Change "Used by the Auto-Negotiation to enable the PHY." to "Used by the Auto-Negotiation function to enable the PHY." Change "TBD encoding" to "64B/65B encoding" Proposed Response Proposed Response Response Status O Response Status 0 P40 C/ 149 SC 149.2.2.8.1 P49 13 # 28 C/ 149 SC 149.1.3 17 # 31 Wienckowski Natalie General Motors Tu. Mike Broadcom Comment Type E Comment Status X Comment Type TR Comment Status X Missing periods When Auto-Negotiation is not used, MASTER and SLAVE must be synchronized by the PHY Link Synchronization function as defined in 149.4.2.6. SuggestedRemedy SuggestedRemedy Add periods at the end of the OK and NOT OK statements. Change "The MASTER and SLAVE are synchronized by a PHY Link Synchronization Proposed Response Response Status O function ..." to "The MASTER and SLAVE shall be synchronized by the PHY Link Synchronization function ... Proposed Response Response Status O

C/ 149 P**62** L14 # 32 C/ 149 SC 149.3.2.2 P**54 L1** # 36 SC Figure 149-8 Tu, Mike Broadcom Tu, Mike Broadcom Comment Type TR Comment Status X Comment Type TR Comment Status X Input should be m325, m324, ... The interleaving depths have not yet been determined. SuggestedRemedy SuggestedRemedy Change "m355" to "m325". Use subscript for "325". An agreement by the task force is reugired. Proposed Response Proposed Response Response Status O Response Status O SC 149.1.3 P39 L16 # 33 C/ 149 P56 C/ 149 SC Figure 149-5 L40 Tu, Mike Broadcom Tu. Mike Broadcom Comment Type TR Comment Status X Comment Type TR Comment Status X Need to specify the meaning of "50 blocks" There should be 1800 rx PAM4 symbols per RS FEC frame. The figure is showing 1801 rx PAM4 symbols. SuggestedRemedy SuggestedRemedy Change "each group of 50 blocks" to "each group of 50 64B/65B blocks" Option 1: Change "rx PAM4n (PMA)" to "rx PAM4n+1 (PMA)" Proposed Response Response Status O Option 2: Change "rx PAM4n+1800 (PMA)" to "rx PAM4n+1799 (PMA)" Proposed Response Response Status O C/ 149 SC 149.1.4 P42 L22 # 34 Tu. Mike Broadcom C/ 149 SC 149.1.4 P42 L11 # 38 Comment Status X Comment Type TR McClellan, Brett Marvell PAM4 has four transmit voltage levels Comment Type E Comment Status X SuggestedRemedy this is a single pair PHY Change "one of ??? Power levels" to "one of four voltage levels" SuggestedRemedy Proposed Response Response Status O delete "on any pair combination." Proposed Response Response Status O P**53** # 35 C/ 149 SC 149.3.2.2 L32 Tu. Mike Broadcom Comment Type TR Comment Status X The PAM2 transmit levels have not yet been determined.

SuggestedRemedy

Proposed Response

An agreement by the task force is reuqired.

Response Status O

C/ 149 SC 149.3.2.2 P53 L3 # 39 McClellan, Brett Marvell Comment Type E Comment Status X figure references should be clause 149 instead of 136 SuggestedRemedy change "136" to "149" in multiple locations Proposed Response Response Status O C/ 149 SC 149.3.2.2.13 P**59** L46 McClellan, Brett Marvell Comment Type E Comment Status X figure references should be clause 149 instead of 136 SuggestedRemedy change "136" to "149" in multiple locations Proposed Response Response Status O SC 149.3.2.2.4 C/ 149 P56 / 40 McClellan, Brett Marvell Comment Type E Comment Status X a block has 1800 symbols SuggestedRemedy change "n+1800" to "n+1799" Proposed Response Response Status O SC 149.3.2.2.4 C/ 149 P55 L31 # 42 McClellan, Brett Marvell Comment Type E Comment Status X indexes usually start at zero SuggestedRemedy

change indexes from 1 through 1800 to 0 through 1799

Response Status O

Proposed Response

Cl 149 SC 149.3.2.2 P53 L24 # 43

McClellan, Brett Marvell

Comment Type T Comment Status X symbol period scales with 1/S not with S

SuggestedRemedy
Change "x S" to "/ S"

Proposed Response Response Status O