Cl **FM**	*SC* **FM**	*P* **1**	*L* **26**	#	164

Zimmerman, George   CME:ADI,Aquantia,AP

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

The draft makes a number of edits "as modified by 802.3cg", but here leaves out 802.3cg as the basis for what it amends. It is still early to say what the order of publication is, but we should be consistent. This way reviewers know to look at 802.3cg edits during commenting.

SuggestedRemedy

Change "as amended by IEEE Std 802.3cb-2018, IEEE Std 802.3bt-2018, and IEEE Std 802.3cd-201x." to "IEEE Std 802.3cb-2018, IEEE Std 802.3bt-2018, IEEE Std 802.3cd-201x, and IEEE Std 802.3cg-201x (TBD)."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

Make the change as proposed. In addition, Add the abstract of cg on page 10 between cd and ch.
Text to add:
IEEE Std802.3cgTM-20xx
This amendment to IEEE Std 802.3-2018 specifies additions and appropriate modifications to add 10 Mb/s Physical Layer (PHY) specifications and management parameters for operation, and associated optional provision of power, over a single balanced pair of conductors.

Cl **FM**	*SC* **FM**	*P* **2**	*L* **1**	#	163

Zimmerman, George   CME:ADI,Aquantia,AP

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

"This amendment to IEEE Std 802.3-2018 adds point-to-point 2.5 Gb/s Physical Layer (PHY), 5 Gb/s Physical Layer (PHY) and 10 Gb/s Physical Layer (PHY) specifications and management parameters for operation on automotive cabling in an automotive application." - lack of oxford comma, and chained "and 10 Gbs specifications and management parameters" is clunky and can be misread.

SuggestedRemedy

Change "This amendment to IEEE Std 802.3-2018 adds point-to-point 2.5 Gb/s Physical Layer
(PHY), 5 Gb/s Physical Layer (PHY) and 10 Gb/s Physical Layer (PHY) specifications and management
parameters for operation on automotive cabling in an automotive application." to "This amendment to IEEE Std 802.3-2018 adds physical layer specifications and management parameters for 2.5 Gb/s, 5 Gb/s and 10 Gb/s operation on automotive cabling in an automotive application." Also, make same change on P1 L27-29 and P10 L50-53.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**	*SC* **45.2.1.193.4**	*P* **35**	*L* **23**	#	19

Anslow, Pete   Ciena

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

"either bit 1.2318.11 or bit 1.0.11" should be "either bit 1.2309.11 or bit 1.0.11"

SuggestedRemedy

Change "1.2318.11" to "1.2309.11"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**	*SC* **45.2.1.194**	*P* **36**	*L* **1**	#	135

Zimmerman, George   CME:ADI,Aquantia,AP

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

Table 45-155c has the wrong title "1000BASE-T1" should be "MultiGBASE-T1" same for Table 45-155d in 45.2.1.195

SuggestedRemedy

Change "1000BASE-T1" to "MultiGBASE-T1" on both Table 45-155c and Table 45-155d titles

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**	*SC* **45.2.1.194.2**	*P* **36**	*L* **24**	#	92

Lo, William   Axonne Inc.

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

Grammar is a bit confusing.

SuggestedRemedy

Replace first sentence with:
Bits 1.2311.3:2 control the precoder setting requested by the PHY.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

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: Clause, Subclause, page, line

Cl **45**
SC **45.2.1.194.2**

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1/8/2019 9:24:56 PM

Cl **45**   *SC* **45.2.1.195.2**   *P* **37**   *L* **24**   # 93

Lo, William   Axonne Inc.

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

Grammar is a bit confusing.

SuggestedRemedy

Replace first sentence with:
Bits 1.2312.3:2 contains the precoder setting requested by the link partner.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **45**   *SC* **45.2.3**   *P* **43**   *L* **1**   # 112

McClellan, Brett   Marvell

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

missing editorial instructions for table 45-244

SuggestedRemedy

Insert editorial instruction "Change Table 45-244 as follows:" and move instruction and text prior to 45.2.3.76.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Add this just prior to the editorial instruction on page 42, line 44.

Cl **78**   *SC* **78.3**   *P* **51**   *L* **20**   # 140

Zimmerman, George   CME:ADI,Aquantia,AP

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

Proper advertisement cross reference will be 149.4.2.4.5

SuggestedRemedy

Change 149.4.2.5.10 to 149.4.2.4.5 and delete highlighting (the section isn't going to change....)

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Update Section, remove highlighting, and make a cross reference.

Cl **125**   *SC* **125.1**   *P* **59**   *L* **15**   # 144

Zimmerman, George   CME:ADI,Aquantia,AP

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

Several boxes in the stack for Figure 125-1 are not aligned. It looks a little like a Jenga tower. I don't mean to be annoying - you're going to get comments like this in WG!

SuggestedRemedy

Use fixed sizes for boxes in the stack and frame "align" functions to line up boxes so that they are all the same width and nice and straight.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Have found 2 volunteers to "fuss" with all figures to get them lined up for D1.1.

Cl **125**   *SC* **125.1.2**   *P* **59**   *L* **49**   # 83

Wienckowski, Natalie   General Motors

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

Figure title was not updated properly.

SuggestedRemedy

Remove " - Part 1 of 2".

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **125**   *SC* **125.1.4**   *P* **60**   *L* **31**   # 145

Zimmerman, George   CME:ADI,Aquantia,AP

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

"using 64B/65B encoding" doesn't adequately describe the PCS. All the other multigbase-t PHYs use 64B/65B... The other BASE-T PHYs are described either by the name of the encoding or the FEC used. I suggest spelling out Reed-Solomon so as not to confuse either with the optical RS-FEC or the Reconciliation Sublayer (also RS).

SuggestedRemedy

Change "using 64B/65B encoding" to "using Reed-Solomon encoding" for both 2.5GBASE-T1 and 5GBASE-T1

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

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: Clause, Subclause, page, line

Cl **125**
SC **125.1.4**

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1/8/2019 9:24:57 PM

Cl **125**   *SC* **125.2.2**   *P* **61**   *L* **31**   # 114
McClellan, Brett   Marvell

Comment Type **E**   *Comment Status* **D**   *Editorial*
125.5.2 should be 125.2.2

SuggestedRemedy
change "125.5.2" to "125.2.2"

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

Cl **149**   *SC* **149.1**   *P* **63**   *L* **18**   # 147
Zimmerman, George   CME:ADI,Aquantia,AP

Comment Type **T**   *Comment Status* **D**   *Editorial*
"are defined in terms of performance requirements between the attachment points [Medium Dependent Interface (MDI)],". The MDI is the reference plane at which the PHY attaches to the medium. It is there whether or not we define a specific connector. Therefore, the performance requirements for a link segment are defined MDI to MDI.

SuggestedRemedy
Change "between the attachment points [Medium Dependent Interface (MDI)]," to "are defined in terms of performance requirements between the Medium Dependent Interfaces" (no comma after)

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

Cl **149**   *SC* **149.1**   *P* **63**   *L* **20**   # 148
Zimmerman, George   CME:ADI,Aquantia,AP

Comment Type **E**   *Comment Status* **D**   *Editorial*
"as long as the normative requirements included in this clause are met." - you're referring here to what the conductors need to meet - to the requirements on the link segment - most of "this clause" defines the electrical parameters of the PHY. Better to reference just the link segment requirements.

SuggestedRemedy
Change "this clause" to a cross reference to 149.7

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

Cl **149**   *SC* **149.2**   *P* **68**   *L* **11**   # 88
Lo, William   Axonne Inc.

Comment Type **E**   *Comment Status* **D**   *Editorial*
Incorrect reference

SuggestedRemedy
Clause 28 should be 98.4

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

Cl **149**   *SC* **149.3.2.2.4**   *P* **80**   *L* **13**   # 94
Lo, William   Axonne Inc.

Comment Type **T**   *Comment Status* **D**   *Editorial*
Replace TBD in Figure 149-4
Also applies to Figure 149-5

SuggestedRemedy
TBD's should be
Figure 149-6 and Table 149-1

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

Cl **149**   *SC* **149.3.2.2.16**   *P* **86**   *L* **32**   # 53
Tu, Mike   Broadcom

Comment Type **ER**   *Comment Status* **D**   *Editorial*
I think the corrrect name is "tx_oam_field<9:0>"?

SuggestedRemedy
Change from "Link partner access field<9:0>" to "tx_oam_field<9:0>".

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **149**   Page 3 of 4
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed Z/withdrawn   *SC* **149.3.2.2.16**   1/8/2019 9:24:57 PM
SORT ORDER: Clause, Subclause, page, line

Cl **149**   *SC* **149.3.4.4**   *P* **94**   *L* **19**   # 72
Wienckowski, Natalie   General Motors

Comment Type **E**   *Comment Status* **D**   *Editorial*
    This is in section 149.3.4.1.

SuggestedRemedy
    Delete section 149.3.4.4.

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

Cl **149**   *SC* **149.3.4.4**   *P* **94**   *L* **19**   # 58
Tu, Mike   Broadcom

Comment Type **ER**   *Comment Status* **D**   *Editorial*
    S_n is already defined in 149.3.4.1.

SuggestedRemedy
    Delete this line

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

Cl **149**   *SC* **149.3.4.5**   *P* **94**   *L* **21**   # 59
Tu, Mike   Broadcom

Comment Type **ER**   *Comment Status* **D**   *Editorial*
    T_n is already defined in 149.3.4.2.

SuggestedRemedy
    Delete this line

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

Cl **149**   *SC* **149.3.8.2.12**   *P* **103**   *L* **2**   # 79
Wienckowski, Natalie   General Motors

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

SuggestedRemedy
    Change "the number error RS-FEC block errors" to "the number of RS-FEC block errors".

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

Cl **149**   *SC* **149.9.1**   *P* **144**   *L* **5**   # 41
Fritsche, Matthias   HARTING Technology

Comment Type **E**   *Comment Status* **D**   *Editorial*
    IEC 60950-1 is replaced by IEC 62368-1

SuggestedRemedy
    Change "IEC 60950-1" to "IEC 62368-1 (former IEC 60950-1)"

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **149**   Page 4 of 4
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed Z/withdrawn   *SC* **149.9.1**   1/8/2019 9:24:57 PM
SORT ORDER: Clause, Subclause, page, line