PROPOSED ACCEPT.

C/ 00 SC 0 P0L # 34 C/ 45 SC 45.2.1.244.1 P34 Wienckowski, Natalie General Motors Wienckowski, Natalie General Motors Comment Type E Comment Status D bucket Comment Type T Comment Status D Need to modify the text for L = 8. SuggestedRemedy SuggestedRemedy Make all hyperlinks "live". Add Editor's instruction: Change the text in 45.2.1.244.1 as shown below. Note, for this comment, text between - - should be in strikethroug. Text between should Proposed Response Response Status W be in underline. PROPOSED ACCEPT. Change: The values of L=2 and L=4 are not defined for 2.5GBASE-T1 PHYs, -and- the value of L=4 is not defined for 5GBASE-T1 PHYs I, and the value of L=8 is not defined for Cl 45 SC 45.2.1.16.b P29 **L50** # 31 2.5GBASE-T1 PHYs, 5GBASE-T1 PHYs, and 10GBASE-T1 PHYs. Make the same change on P36L20 Wienckowski, Natalie General Motors Proposed Response Response Status W Comment Type T Comment Status D bucket PROPOSED ACCEPT. typo SuggestedRemedy C/ 80 P53 SC 80.1.3 Change: 50GBASE-T21 Wienckowski, Natalie General Motors To: 50GBASE-T2 Comment Type T Comment Status D Proposed Response Response Status W PROPOSED ACCEPT. SugaestedRemedy Cl 45 SC 45.2.1.244 P34 L17 # 32 Add a 100GBASE-T4 "column" in Figure 80-1 With PCS, FEC, PMA, AN^2. Wienckowski. Natalie General Motors Proposed Response Response Status W Comment Type T Comment Status D PROPOSED ACCEPT. Interleaving of 8 was approved P**54** C/ 80 SC 80.1.5 SuggestedRemedy Wienckowski, Natalie General Motors Change: 1 1: Reserved Comment Type E Comment Status D 1 1: L=8, RS-FEC interleaving factor eight, default for 25GBASE-T1, 50GBASE-T2, and 100GBASE-T1, undefined for 2.5GBASE-T1, 5GBASE-T1, and 10GBASE-T1 used a symbol not defined Make the same change on P35L41 SuggestedRemedy Proposed Response Response Status W Change "\_X\_" to "\_M\_" PROPOSED ACCEPT. Proposed Response Response Status W

L45

L38

L38

# 33

# 36

bucket

Proposed Response

PROPOSED ACCEPT.

C/ 80	SC 80.2.6	P <b>54</b>	L <b>48</b>	# 40	C/ 131 SC 131.1.2	P <b>64</b>	L <b>8</b>	# 41
Wienckowski, Natalie General Motors				Wienckowski, Natalie	General Motors			
Comment 7	,,	Comment Status <b>D</b> tuse Clause 73 AN.			Comment Type T	Comment Status D		bucket
Suggested Remov	•	de in the first paragraph.			SuggestedRemedy add Figue 131-1 and	add 50GBASE-T2 to it		
Proposed F	Response OSED ACCEPT.	Response Status W			Proposed Response PROPOSED ACCER	Response Status <b>W</b>		
C/ 105	SC 105.1.2	P <b>60</b>	<i>L</i> 11	# 37	C/ 131 SC 131.1.2	P <b>64</b>	L <b>28</b>	# 43
Wienckows	ski, Natalie	General Motors			Wienckowski, Natalie	General Motors		<u>-                                      </u>
Comment 7	Type <b>T</b>	Comment Status D		bucket	Comment Type T need to add 50GBAS	Comment Status <b>D</b> SE-T2 to the list		
Suggested	Remedy				SuggestedRemedy			
add Fig	gue 105-1 and ad	d 25GBASE-T1 to it				s specified in Clause 165 for 50Gl	BASE-T2 uses	a two-lane data path
Proposed F	Response	Response Status W			also add approriate e	ditor's instructions.		
PROPO	OSED ACCEPT.				Proposed Response PROPOSED ACCEF	Response Status <b>W</b> T.		
C/ <b>105</b>	SC 105.1.3	P <b>61</b>	L <b>22</b>	# 38	C/ 131 SC 131.1.3	P <b>64</b>	L30	# 44
Wienckows	ski, Natalie	General Motors				-		# 44
Comment 7	Туре Е	Comment Status D		bucket	Wienckowski, Natalie	General Motors		
used a	symbol not defin	ed			Comment Type T	Comment Status D		
Suggested	,				SuggestedRemedy			
Change	e "_X_" to "_M_"				,	h to add info on 50GBASE-T2		
Proposed F	Response OSED ACCEPT.	Response Status W			50GBASE-R represe Sublayer (PCS) for 5	nts a family of Physical Layer devomens of the propertion over multiple PC esents a devide using the two-lan	CS lanes (see	Clause 133).
C/ 105	SC 105.3.6	P <b>61</b>	L <b>40</b>	# 39		es listed in Table 131–1 are define		
Wienckows	ski, Natalie	General Motors			Proposed Response	Response Status W		
Comment 7 25GBA		Comment Status <b>D</b> use Clause 73 AN.		bucket	PROPOSED ACCER	т.		
Suggested Remov	•	de in the first paragraph.						

Response Status W

C/ 131 SC 131.1.3 P64 L30 # 45 Wienckowski, Natalie **General Motors** Comment Type Comment Status D SuggestedRemedy Add a row at the bottom of Table 131-1 with 50GBASE-T2: 50GBASE-T2 | 50 Gb/s PHY using 50GBASE-T2 encoding over two-pair of shielded balanced copper cable, with reach up to at least 11 m (see Clause 165). Proposed Response Response Status W PROPOSED ACCEPT. C/ 131 SC 131.1.4 P64 L52 Wienckowski. Natalie General Motors Comment Type E Comment Status D bucket used a symbol not defined SuggestedRemedy Change "\_X\_" to "\_M\_" Proposed Response Response Status W PROPOSED ACCEPT. C/ 165 SC 165.1.3 P**72** L37 # 46 Tu, Mike Broadcom Comment Type T Comment Status D FEC related parameters Need to update FEC related parameters SuggestedRemedy See page 4 of tu\_3cy\_01\_03\_08\_2022.pdf Proposed Response Response Status W PROPOSED ACCEPT.

C/ 165 SC 165.1.3.1 P73 L30 # 47 Tu, Mike Broadcom Comment Type T Comment Status D FEC related parameters Need to update FEC related parameters SuggestedRemedy See page 5 of tu\_3cy\_01\_03\_08\_2022.pdf Proposed Response Response Status W PROPOSED ACCEPT. C/ 165 SC 165.1.3.1 P73 L39 # 48 Tu, Mike Broadcom Comment Type T Comment Status D FEC related parameters Need to update FEC related parameters SuggestedRemedy See page 6 of tu\_3cy\_01\_03\_08\_2022.pdf Proposed Response Response Status W PROPOSED ACCEPT. C/ 165 SC 165.3.2.2 P87 L12 # 49 Tu. Mike Broadcom Comment Status D Comment Type T FEC related parameters Need to update FEC related parameters SuggestedRemedy See page 7 of tu\_3cy\_01\_03\_08\_2022.pdf Proposed Response Response Status W PROPOSED ACCEPT. C/ 165 SC 165.3.2.2 P87 L18 # 50 Tu. Mike Broadcom Comment Type T Comment Status D The baud rate is 1000/14.0625 ps. SuggestedRemedy Change to: "The baud rate is 1000/14.0625 ps." Proposed Response Response Status W PROPOSED ACCEPT.

C/ 165

C/ <b>165</b>	SC 165.3.2.2	P <b>87</b>	L38	# 51	C/ <b>165</b>	SC <b>165.3.2.2.</b>	13	P <b>94</b>	L15	# 78
Tu, Mike		Broadcom		<u> </u>	Tu, Mike			Broadcom		-
Comment 7 Need to	<i>Type</i> <b>T</b> o update FEC rela	Comment Status <b>D</b> ated parameters		FEC related parameters	Comment 7 Need to	<i>Type</i> <b>T</b> o update FEC rel	Comment ated parame			
Suggestedi See pa Proposed F	ge 9 of tu_3cy_0	1_03_08_2022.pdf				<i>Remedy</i> e from "It takes 1 JNITDATA transf		NITDATA transf	ers" to "It	takes 4680
•	OSED ACCEPT.	Response Status <b>W</b>			Proposed F	Response OSED ACCEPT.	Response	Status <b>W</b>		
Cl 165	SC <b>165.3.2.2</b>	P <b>87</b> Broadcom	L44	# 52	C/ 165	SC 165.3.2.2.	14	P <b>94</b>	L <b>29</b>	# 58
Comment 7 Need to	<i>Type</i> <b>T</b> o update FEC rel	Comment Status <b>D</b> ated parameters		FEC related parameters	Tu, Mike  Comment T	<i>Type</i> <b>T</b> o update FEC rel	Comment			FEC related parameters
Suggestedi See pa	•	01_03_08_2022.pdf			Suggested	•	ateu parame	1013		
Proposed F		Response Status W			Proposed F	ige 16 of tu_3cy_ Response OSED ACCEPT.	01_03_08_2 Response			
C/ 165	SC 165.3.2.2	P <b>87</b>	L <b>5</b> 1	# 53	C/ 165	SC <b>165.3.2.2.</b>	15	P <b>94</b>	L <b>46</b>	# 59
Tu, Mike Comment 7 Need to	<i>Type</i> <b>T</b> o update FEC rela	Broadcom  Comment Status <b>D</b> ated parameters		FEC related parameters	Tu, Mike Comment	<i>Type</i> <b>T</b> o update FEC rel	Comment			FEC related parameters
Suggestedi See pa	•	01_03_08_2022.pdf			Suggested	Remedy				
Proposed F PROPO	Response OSED ACCEPT.	Response Status W			Proposed F	ige 17 of tu_3cy_ Response OSED ACCEPT.	01_03_08_2 Response			
C/ <b>165</b> Tu, Mike Comment 7	SC <b>165.3.2.2.</b>	Broadcom  Comment Status D	L15	# 77	<i>Cl</i> <b>165</b> Tu, Mike	SC <b>165.3.2.2</b> .	17	P <b>95</b> Broadcom	L <b>39</b>	# 62
	o update FEC rel				Comment 7	<i>Type</i> <b>T</b> o update FEC rel	Comment ated parame			FEC related parameters
Suggestedi Change	•	All data transfers" to "260	25GMII data	a transfers"	Suggested					
Proposed F		Response Status W			See page 20 of tu_3cy_01_03_08_2022.pdf					
PROPO	OSED ACCEPT.	,			Proposed F PROPO	Response OSED ACCEPT.	Response	Status <b>W</b>		

Cl 165 SC 165.3.2.2.17 P96	<b>L1</b>	# 64	Cl 165 SC 165.3.2.3 P100 L24 # 70
Tu, Mike Broadcom			Tu, Mike Broadcom
Comment Type T Comment Status D  Need to update FEC related parameters		FEC related parameters	Comment Type T Comment Status D FEC related parameters  Need to update FEC related parameters
SuggestedRemedy See page 22 of tu_3cy_01_03_08_2022.pdf			SuggestedRemedy See page 28 of tu_3cy_01_03_08_2022.pdf
Proposed Response Response Status W PROPOSED ACCEPT.			Proposed Response Response Status <b>W</b> PROPOSED ACCEPT.
C/ 165 SC 165.3.2.2.17 P96	L <b>7</b>	# 65	Cl 165 SC 165.3.2.3 P100 L48 # 76
Tu, Mike Broadcom		<del></del>	Tu, Mike Broadcom
Comment Type T Comment Status D  Need to update FEC related parameters		FEC related parameters	Comment Type <b>T</b> Comment Status <b>D</b> A partial frame is 1170 PAM2 symbols for 802.3cy.
SuggestedRemedy See page 23 of tu_3cy_01_03_08_2022.pdf			SuggestedRemedy Change "every 450 PAM2 symbols" to "every 1170 PAM2 symbols"
Proposed Response Response Status W PROPOSED ACCEPT.			Proposed Response Response Status <b>W</b> PROPOSED ACCEPT.
Cl 165 SC 165.3.2.2.17 P96	L18	# [66	Cl 165 SC 165.3.2.3.1 P101 L21 # 71
Tu, Mike Broadcom			Tu, Mike Broadcom
Comment Type <b>T</b> Comment Status <b>D</b> Need to update FEC related parameters		FEC related parameters	Comment Type T Comment Status D FEC related parameters  Need to update FEC related parameters
SuggestedRemedy See page 24 of tu_3cy_01_03_08_2022.pdf			SuggestedRemedy See page 29 of tu_3cy_01_03_08_2022.pdf
Proposed Response Response Status W PROPOSED ACCEPT.			Proposed Response Response Status W PROPOSED ACCEPT.
C/ 165 SC 165.3.2.2.17 P96	L31	# 67	Cl 165 SC 165.3.5 P103 L27 # 74
Tu, Mike Broadcom			Tu, Mike Broadcom
Comment Type T Comment Status D  Need to update FEC related parameters		FEC related parameters	Comment Type T Comment Status D FEC related parameters Indices in Equation 165-7 should be updated based on the 802.3cy FEC
SuggestedRemedy See page 25 of tu_3cy_01_03_08_2022.pdf			SuggestedRemedy See page 9 of tu_3cy_01_02_22_22.pdf
Proposed Response Response Status W PROPOSED ACCEPT.			Proposed Response Response Status <b>W</b> PROPOSED ACCEPT.

Cl 165 SC 165.3.9.4.5 P132 L52 # 72

Tu, Mike Broadcom

Comment Type T Comment Status D FEC related parameters

Need to update FEC related parameters

SuggestedRemedy

See page 30 of tu\_3cy\_01\_03\_08\_2022.pdf

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 165 SC 165.4.2.4 P137 L31 # 79

Tu, Mike Broadcom

Comment Type **T** Comment Status **D**The InfoField bit locations need to be updated.

SuggestedRemedy

Change from "... 16th partial PHY frame (bits 6750 to 6845)." to "...16th partial PHY frame (bits 17550 to 17645)."

Proposed Response Response Status W PROPOSED ACCEPT.

Cl 165 SC 165.4.2.4.6 P140 L8 # 75

Tu. Mike Broadcom

Comment Type T Comment Status D

The DataSwPFC24 should be a multiple of 32 in order to align with L=8 FEC superframe boundary.

SuggestedRemedy

Change the two occurrences of "... multiple of 16" to "... multiple of 32".

Proposed Response Response Status W PROPOSED ACCEPT.

Cl 165 SC 165.4.2.4.10

P**141** 

L21

# 80

Tu, Mike Broadcom

Comment Type T Comment Status D

Scaling parameter "S" is not defined and it should be removed

SuggestedRemedy

Change from "... +0/-4 x S..." to "... +0/-4 ..."

Proposed Response Status W

PROPOSED ACCEPT.

C/ 165 SC 165.4.2.6.1 P143 L45 # 81

Tu, Mike Broadcom

Comment Type T Comment Status D

New values should be added for variable "force\_phy\_type"

SuggestedRemedy

Add one more value above "10G-T1" as follows:

"25G-T1: If Auto-Negotiation is disabled or not implemented and 25GBASE-T1 is selected."

Proposed Response Response Status W PROPOSED ACCEPT.

Cl 165 SC 165.5.5.1 P158 L6 # 27

Wienckowski, Natalie General Motors

Comment Type T Comment Status D minimum frequency

The applicable frequency range is missing.

SuggestedRemedy

After equation 165-17 add the following:

where

f is the frequency in MHz: n <= f <= 9000

Proposed Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

After equation 165-17 add the following:

where

f is the frequency in MHz: 1 <= f <= 9000

C/ 165	SC 165.5.5.2	P <b>158</b>	L <b>38</b>	# 28	C/ 165	SC Figure 10	65-10	P <b>96</b>	L <b>37</b>	# [68
Wienckow	ski, Natalie	General Motor	3		Tu, Mike			Broadcom		
Comment The ap	Type <b>T</b> Coplicable frequency ra	comment Status <b>D</b> nge is missing.		minimum frequency	Comment Need t	<i>Type</i> <b>T</b> to update FEC re		nt Status <b>D</b> eters		FEC related parameters
where	Remedy quation 165-18 add tl freguency in MHz: n	· ·			Suggested See pa Proposed	age 26 of tu_3cy		2022.pdf e Status <b>W</b>		
Proposed I	Response Re	esponse Status W				OSED ACCEPT		_		
After e where	OSED ACCEPT IN P equation 165-18 add the frequency in MHz: 1	ne following:			Cl 165 Tu, Mike Comment Interle	• •	Commer	P103 Broadcom  of Status D  cluded in this figu	L8	# 73
CI 165 Wienckow	SC <b>165.5.5.3.1</b> ski, Natalie	P <b>159</b> General Motor	L <b>35</b>	# 29	Suggested Add "L	-	in Figure 16	5-12, as shown o	n page 8 of t	u_3cy_01_02_22_22.pdf.
Comment The ap	Type <b>T</b> Coplicable frequency ra	comment Status <b>D</b> nge is missing.		minimum frequency	Proposed PROP	Response OSED ACCEPT		e Status W		
where	quation 165-21 add the frequency in MHz: n	-			C/ 165 Tu, Mike Comment Need t	SC Figure 10  Type T  to update FEC re	Commer	P89 Broadcom  of Status D  eters	L <b>9</b>	# 54 FEC related parameters
PROP After e where	OSED ACCEPT.  equation 165-21 add the frequency in MHz: 1	ne following:			Suggested See pa Proposed I	IRemedy age 12 of tu_3cy	_01_03_08_ Response			
Cl 165 Tu, Mike Comment	SC Equation 165	P95 Broadcom Comment Status D	L <b>47</b>	# 63  FEC related parameters	C/ <b>165</b> Tu, Mike	SC Figure 10	65-6	P89 Broadcom	L17	# 55
Need to Suggested See pa Proposed in	o update FEC related IRemedy age 21 of tu_3cy_01_	l parameters		, 20 routed parameters	Suggested See pa Proposed	to update FEC real Remedy age 13 of tu_3cy	elated param _01_03_08_ Response			FEC related parameters

PROPOSED ACCEPT.

C/ <b>165</b>	SC Figure 165-	7 P <b>90</b>	L <b>8</b>	# <u>5</u> 6
Tu, Mike		Broadcom	1	
Comment 7 Need to	<i>Type</i> <b>T</b> o update FEC relat	Comment Status <b>D</b> ed parameters		FEC related parameters
Suggestedl See pa	•	1_03_08_2022.pdf		
Proposed F	Response DSED ACCEPT.	Response Status W		
C/ <b>165</b>	SC Figure 165-	7 P <b>90</b>	L <b>28</b>	# 57
Tu, Mike		Broadcom	1	<del>-</del>
Comment 7 Need to	<i>Type</i> <b>T</b> o update FEC relat	Comment Status <b>D</b> ed parameters		FEC related parameters
Suggestedl See pa	•	1_03_08_2022.pdf		
Proposed F	Response DSED ACCEPT.	Response Status W		
0/ 405	CO Figure 405	9 P <b>95</b>	L6	# 60
C/ <b>165</b>	SC Figure 165-	9 / 95	LU	# 00
C/ 165 Tu, Mike	SC Figure 165-	Broadcom	_	# 00
Tu, Mike Comment 7	·	Broadcom Comment Status D	_	FEC related parameters
Tu, Mike Comment 7	Type <b>T</b> Dupdate FEC relat	Broadcom Comment Status D	_	
Tu, Mike Comment To Need to Suggested!	Type <b>T</b> Dupdate FEC relat	Broadcom Comment Status D	_	
Tu, Mike  Comment To Need to Suggestedle  See pa  Proposed F	Type <b>T</b> Dupdate FEC relate Remedy ge 18 of tu_3cy_0	Broadcom  Comment Status D  ed parameters	_	
Tu, Mike  Comment To Need to Suggestedle  See pa  Proposed F	Type <b>T</b> Dupdate FEC relate Remedy ge 18 of tu_3cy_0: Response	Broadcom Comment Status D ed parameters  1_03_08_2022.pdf Response Status W	_	
Tu, Mike  Comment 1  Need to  Suggestedl  See pa  Proposed F  PROPO	Type T D update FEC relate Remedy ge 18 of tu_3cy_0: Response DSED ACCEPT.	Broadcom Comment Status D ed parameters  1_03_08_2022.pdf Response Status W	L11	FEC related parameters
Tu, Mike  Comment 7  Need to  Suggestedl  See pa  Proposed F  PROPO  CI 165  Tu, Mike  Comment 7	Type T o update FEC relate Remedy ge 18 of tu_3cy_0 Response DSED ACCEPT.  SC Figure 165-	Broadcom  Comment Status D  ed parameters  1_03_08_2022.pdf  Response Status W  9	L11	FEC related parameters
Tu, Mike Comment To Need to Suggested! See pare Proposed For PROPO CI 165 Tu, Mike Comment To Need to Suggested!	Type T o update FEC relate Remedy ge 18 of tu_3cy_0* Response DSED ACCEPT.  SC Figure 165- Type T o update FEC relate Remedy	Broadcom  Comment Status D  ed parameters  1_03_08_2022.pdf  Response Status W  9	L11	FEC related parameters # 61

C/ <b>165</b>	SC Table 16	5-2 P <b>97</b>	L <b>37</b>	# 69
Tu, Mike		Broadcom		
Comment FEC g		Comment Status <b>D</b> nial need to be updated		FEC related parameters
Suggested See pa	•	_01_03_08_2022.pdf		
Proposed I	Response OSED ACCEPT.	Response Status W		
C/ 165A	SC 165A.2.1	P <b>190</b>	L <b>29</b>	# 30
Wienckow	ski, Natalie	General Moto	rs	<u>-</u>
Comment Chang		Comment Status <b>D</b> sency in the ragne		minimum frequency
Suggested Chang	Remedy e 10 to n			
Proposed I	Response OSED ACCEPT	Response Status <b>W</b> IN PRINCIPLE.		
Chang	e 10 to 1			