Cl         149         SC         149.5.2.2         P 87         L 15         # 24           Wienckowski, Natalie         General Motors         General Motors         # 24	C/ Intro     SC Intro     P9     L4     # 5       Wienckowski, Natalie     General Motors
Comment Type         E         Comment Status         A         Editorial           Figure 149-13 was not drawn in Frame	Comment Type E Comment Status A EZ Duplicate of Amendment:
SuggestedRemedy Redraw Figure 149-13 in Frame.	SuggestedRemedy Remove second Amendment:
Response Response Status C ACCEPT IN PRINCIPLE.	Response Response Status C ACCEPT.
TX_TCLK is In yellow highlight.	Change: Amendment: Amendment: Physical Layer Specifications
Replace TX_TCLK with TX_TCLK_DIV.	To: Amendment: Physical Layer Specifications
Add editor's note, by the Test Mode 1 text that we need to define TX_TCLK_DIV. Page 85 line 27 - change TX_TCLK125 to TX_TCLK_DIV with no yellow highlighting.	C/ Intro     SC Intro     P12     L     #       Wienckowski, Natalie     General Motors
Cl 150     SC 150.5.2.2     P135     L15     #     25       Wienckowski, Natalie     General Motors	Comment Type E Comment Status A EZ SuggestedRemedy
Comment Type         E         Comment Status         A         Editorial           Figure 150-13 was not drawn in Frame         Figure 150-13 was not drawn in Frame	Remove all empy pages throughout document <i>Response</i> <i>Response</i> <i>C</i>
SuggestedRemedy Redraw Figure 150-13 in Frame.	ACCEPT.
Response Response Status C ACCEPT IN PRINCIPLE.	C/         125         SC         125.1.4         P 45         L 53         #         48           WU, Peter         Marvell
TX_TCLK is In yellow highlight.	Comment Type T Comment Status A EZ EEE is optinal for 5GBASE-T1
Replace TX_TCLK with TX_TCLK_DIV. Add editor's note, by the Test Mode 1 text that we need to define TX_TCLK_DIV.	SuggestedRemedy Marked as "O"
Page 133 line 27 - change TX_TCLK125 to TX_TCLK_DIV with no yellow highlighting.	Response Response Status C ACCEPT IN PRINCIPLE.
	Add "O" with underlining in cell (EEE, 5GBASE-T1)

Cl 44 SC 44.3 Wienckowski, Natalie	P <b>32</b> General Motors	L <b>8</b>	# 43		<i>Cl</i> <b>78</b> <i>SC</i> <b>78</b> Wienckowski, Natalie	P <b>37</b> General Motors	L	# 8	
Comment Type E broken link	Comment Status A			EZ	Comment Type E Page forced to 21	Comment Status A			EZ
SuggestedRemedy Change: text 150.1 To: Link to 150.10					SuggestedRemedy Change to use next av	ailable page number.			
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C			
C/ 45 SC 45.2.1.18		L17	# 6		Cl 125 SC 125.1.3 Wienckowski, Natalie	P <b>44</b> General Motors	L <b>48</b>	# 7	
Wienckowski, Natalie Comment Type E	General Motors Comment Status A			ΕZ	Comment Type E Missing space	Comment Status A			EZ
Missing space SuggestedRemedy Change: 0 1 00					SuggestedRemedy Change: PAM4for To: PAM4 for				
To: 0100 Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C			
C/ 45 SC 45.2.1.18 Wienckowski, Natalie	5.2 P34 General Motors	L <b>28</b>	# 1		<i>Cl</i> <b>125</b> SC <b>1.4</b> Wu, Mau-Lin	P <b>45</b> MediaTek	L15	# 45	
Comment Type E	Comment Status A n based on 802.3cg change			EZ	,	Comment Status A escription"" of 2.5GBASE-T1 is '	"TBD modu	ulation"". It's not cor	<i>EZ</i> rect!
	on to: Insert the following text a	fter the fifth se	entence of			PAM4 as the modulation of 2.50 on"" into ""PAM4 modulation"".	GBASE-T1	and 5GBASE-T1. S	ihall
45.2.1.185.2 (as modified Response ACCEPT IN PRINCIPL	ed by 802.3cg) as follows: Response Status <b>C</b> E.				Response ACCEPT.	Response Status C			
Editor to update Editor	Instruction based on P802.3cg I	D2p1.							

C/ <b>125</b> SC <b>1.4</b> Nu, Mau-Lin	P <b>45</b> MediaTek	L <b>22</b>	# 46		<i>Cl</i> <b>149</b> <i>SC</i> <b>149.1.2</b> Wienckowski, Natalie	P <b>50</b> General Motors	L <b>20</b>	# <u>3</u>
Comment Type <b>T</b> In Table 125-1, the ""De	Comment Status A scription"" of 5GBASE-T1 is '	"TBD modulat	ion"". It's not corre	<i>EZ</i> ct!	Comment Type <b>T</b> The MDI is not part of t	Comment Status <b>A</b> the PHY and should not be shad	ed in Figure	E 149-1.
	PAM4 as the modulation of 2. n"" into ""PAM4 modulation"".		nd 5GBASE-T1. S	hall	Ũ	DI "box" in Figure 149-1.	Ū	
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C		
C/ <b>125</b> SC <b>125.1.4</b>	P <b>45</b> Marvell	L <b>48</b>	# 47		<i>Cl</i> <b>149</b> SC <b>149.2.2.1</b> Wienckowski, Natalie	General Motors	L <b>25</b>	# 13
Comment Type <b>T</b> EEE is optinal for 2.5GB	Comment Status A BASE-T1			ΕZ	Comment Type E missing periods	Comment Status A		E
SuggestedRemedy Marked as "O"						DK and NOT_OK statements		
Response ACCEPT IN PRINCIPLE	Response Status <b>C</b>				Response ACCEPT.	Response Status C		
	ı in cell (EEE, 2.5GBASE-T1)				<i>Cl</i> <b>149</b> <i>SC</i> <b>149.4.2.1</b> Wienckowski, Natalie	P <b>70</b> General Motors	L1	# 16
C/ <b>149</b> SC <b>149.1.2</b> Vienckowski, Natalie	P <b>50</b> General Motors	L <b>2</b>	# 9		Comment Type E typo	Comment Status A		Ε
<i>Comment Type</i> <b>E</b> Missing period at end of	Comment Status <b>A</b> sentence.			ΕZ	SuggestedRemedy Change: stat). To state	ı.		
SuggestedRemedy Add missing period.					Response ACCEPT.	Response Status C		
Response ACCEPT.	Response Status C				<i>Cl</i> <b>149</b> SC <b>149.4.2.2</b> Wienckowski, Natalie	P <b>70</b> General Motors	L15	# 18
					<i>Comment Type</i> <b>E</b> broken link	Comment Status A		Ε
					SuggestedRemedy Change: text 149.1 To: Link to 149.5			
					Response ACCEPT.	Response Status C		
•	ER/editorial required GR/go batched A/accepted R/reject	•				Topic <b>EZ</b>		Page 3 of 10 9/12/2018 1:06:00

Cl 149 SC 149 Wienckowski, Natalie		P <b>81</b> eneral Motors	L <b>25</b>	# 20		Cl <b>150</b> Wienckows	SC <b>150.1.3</b> ki, Natalie	P <b>99</b> General Motors	L14	# <u>1</u> 1	
Comment Type E missing periods	Comment Stat	tus A			EZ	Comment 7 broken		Comment Status A			EZ
SuggestedRemedy Add periods at ei	nd of SEND_N, SEND_I	I, SEND_T, SE	ND_Z stateme	ents			R <i>emedy</i> e: text 150.1 k to 150.4				
Response ACCEPT.	Response Stat	tus <b>C</b>				Response ACCEF		Response Status C			
Cl 149 SC 149 Wienckowski, Natalie		P <b>90</b> eneral Motors	L <b>34</b>	# 33		C/ 150 Wienckows	SC 150.2	P100 General Motors	L <b>2</b>	# 12	ľ
Comment Type T IL frequency axis		tus <b>A</b>			EZ	Comment 7 broken	ype E	Comment Status A			ΕZ
SuggestedRemedy Change Fequence	cy axis to be 0 to 3000.					Suggestedl	Remedy				
Response ACCEPT.	Response Stat	tus C				To: Lir	e: text 150.1 k to 150.2.2				
C/ 150 SC 150	.1.3	P <b>98</b>	L1	# 10		Response ACCEF	·Τ.	Response Status C			
Wienckowski, Natalie	e Ge	eneral Motors				C/ 150	SC 150.2.2.1	P106	L25	# 14	
Comment Type E	Comment Stat	tus A			ΕZ	Wienckows		General Motors			
noun/verb agree	ment					Comment 7	ype E	Comment Status A			ΕZ
SuggestedRemedy						missing	periods				
	BASE-T1 and 10GBAS E-T1 and 10GBASE-T1					Suggestedl	-				
Response	Response Stat	tus <b>C</b>					riods at end of O	K and NOT_OK statements			
ACCEPT.						Response ACCEF	т	Response Status C			
Cl 150 SC 150 Wienckowski, Natalie		P <b>98</b> eneral Motors	L <b>25</b>	# 4		ACCEP	1.				
Comment Type T The MDI is not p	Comment Stat art of the PHY and shou		ed in Figure 15	50-1.	EZ						
SuggestedRemedy Remove shading	on MDI "box" in Figure	150-1.									
Response ACCEPT.	Response Stat	tus <b>C</b>									

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: Topic

Topic **EZ** 

C/ <b>150</b> SC <b>150.4.1</b> Wienckowski, Natalie	P <b>116</b> General Motors	L <b>27</b>	# <u>1</u> 5		C/ <b>150</b> SC <b>150.5.3</b> Wienckowski, Natalie	P <b>135</b> General Motors	L <b>51</b>	# 28
<i>Comment Type</i> <b>E</b> broken link	Comment Status A			EZ	Comment Type E Duplicate clause heading	Comment Status A g: Test Modes		EZ
SuggestedRemedy Change: text 150.1 To: Link to 150.2.2					SuggestedRemedy Remove duplicate clause	e heading 150.5.3 Test Modes		
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C		
Cl 150 SC 150.4.2.1 Wienckowski, Natalie	P <b>118</b> General Motors	L1	# 17		<i>Cl</i> <b>150</b> <i>SC</i> <b>150.7.1.1</b> Wienckowski, Natalie	P <b>138</b> General Motors	L <b>33</b>	# 34
Comment Type E	Comment Status A			ΕZ	Comment Type <b>T</b> IL frequency axis should	Comment Status A start at 0		EZ
typo SuggestedRemedy					<i>SuggestedRemedy</i> Change Fequency axis t	o be 0 to 3000.		
Change: stat). To state. Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C		
Cl 150 SC 150.4.2.2 Wienckowski, Natalie	P <b>118</b> General Motors	L15	# 19		Cl 149 SC 149.8.3 Wienckowski, Natalie	P <b>92</b> General Motors	L 53	# 41
Comment Type E broken link	Comment Status A			ΕZ	<i>Comment Type</i> <b>T</b> The automotive fault tole	Comment Status <b>A</b> erance is the same for all comm	nunication speed	Fault Tolerance s
SuggestedRemedy					SuggestedRemedy Remove yellow highlight	ing on: See 96.8.3.		
Change: text 150.1 To: Link to 150.5 Response	Response Status <b>C</b>				Response ACCEPT.	Response Status C		
ACCEPT.					C/ <b>150</b> SC <b>150.8.3</b> Wienckowski, Natalie	P <b>140</b> General Motors	L <b>49</b>	# 42
Cl 150 SC 150.4.4.1 Wienckowski, Natalie	P <b>129</b> General Motors	L <b>25</b>	# 21		Comment Type <b>T</b>	Comment Status A		Fault Tolerance
Comment Type E missing periods	Comment Status A			ΕZ	The automotive fault tole SuggestedRemedy	erance is the same for all comm	nunication speed	S
SuggestedRemedy					Remove yellow highlight	ing on: See 96.8.3.		
Add periods at end of S	END_N, SEND_I, SEND_T, SE	ND_Z statem	ients		Response	Response Status C		
Response ACCEPT.	Response Status C				ACCEPT.			
						- · - ·	<b>_</b> .	

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: Topic

C/ <b>149</b> SC <b>149.4.2.1</b> Feyh, German	P <b>54</b> Broadcom	L10	# 57	C/         149         SC         149.7.1.5         P 92         L 32         # 37           Wienckowski, Natalie         General Motors         General Motors         37
Comment Type <b>E</b> PAM4 has four levels	Comment Status A		La	e Comment Type <b>T</b> Comment Status <b>A</b> Link Segment Set maximum frequency for link segment propagation delay to 3000 MHz.
S <i>uggestedRemedy</i> change "three level" to	"four level"			SuggestedRemedy Remove yellow highlighting on 3000 MHz.
Response ACCEPT IN PRINCIPI	Response Status <b>C</b> E.			Response Response Status C ACCEPT IN PRINCIPLE.
Change "three level" to	o "four-level".			Keep yellow highlighting and make the value TBD.
C/ <b>150</b> SC <b>150.4.2.2</b> Feyh, German	2 P102 Broadcom	L10	# 58	Add Editor's note at start of 149.7 that we need to come to align the maximum frequencies for all link segment parameters.
Comment Type <b>E</b> PAM4 has four levels	Comment Status A		La	C/         150         SC         150.7.1.5         P 140         L 27         # 36           Wienckowski, Natalie         General Motors         General Motors         36
SuggestedRemedy change "three level" to Response ACCEPT IN PRINCIPI	Response Status C			Comment TypeTComment StatusALink SegmeSet maximum link segment propagation delay to 94 ns as the maximum segment length is the same as bp. This is a propagation delay of 6.27 ns/m. Most cable used for this purpose is about 5.5 ns/m.
Change "three level" to				SuggestedRemedy Remove yellow highlighting on 94 ns.
<i>Cl</i> <b>149</b> <i>SC</i> <b>149.7.1.5</b> Wienckowski, Natalie		L31	# 35	Response Response Status C ACCEPT.
	Comment Status <b>A</b> ment propagation delay to 94 n is a propagation delay of 6.27 r s/m.			Wienckowski, Natalie     General Motors       Comment Type     T     Comment Status     A
SuggestedRemedy Remove yellow highlig	hting on 94 ns			Set maximum frequency for link segment propagation delay to 3000 MHz. SuggestedRemedy
Response	Response Status C			Remove yellow highlighting on 3000 MHz.
ACCEPT.				Response Response Status C ACCEPT IN PRINCIPLE.
				Keep yellow highlighting and make the value TBD.
				Add Editor's note at start of 150.7 that we need to come to align the maximum frequencies for all link segment parameters.

C/         149         SC         149.4.2.6         P75         I           WU, Peter         Marvell	.27 # 55	C/ 149 SC 149.4.2.6.2 P77 L44 WU, Peter Marvell	# 52
Comment Type <b>T</b> Comment Status <b>A</b> SEND_S signaling modification - 703.125MHz	Link Sync	Comment Type <b>T</b> Comment Status <b>A</b> sigdet_wait_timerexpiration changed to" 5.0us±0.15us"	Link Syne
SuggestedRemedy see attached contrtibution "Wu_3ch_01a_0918.pdf"		SuggestedRemedy see attached contrtibution "Wu_3ch_01a_0918.pdf"	
Response Response Status C ACCEPT IN PRINCIPLE.		Response Response Status C ACCEPT IN PRINCIPLE.	
In section 149.4.2.6, insert a paragraph between the 2nd a The frequency of the SEND S signal shall be 703.125MHz		Make change as defined in Wu_3ch_01a_0918.pdf, Slide 4, bullet 4, su	ubbullet 2.
	<b>2</b> # 49	C/         150         SC         150.4.2.6         P123         L27           WU, Peter         Marvell	# 56
Comment Type <b>T</b> Comment Status <b>A</b> SEND_S signaling modification	Link Sync	Comment Type <b>T</b> Comment Status <b>A</b> SEND_S signaling modification 703.125MHz SuggestedRemedy	Link Syn
SuggestedRemedy see attached contrtibution "Wu 3ch 01a 0918.pdf"		see attached contribution "Wu_3ch_01a_0918.pdf"	
Response Response Status C ACCEPT IN PRINCIPLE.		Response Response Status C ACCEPT IN PRINCIPLE.	
Make change as defined in Wu_3ch_01a_0918.pdf, Slide	4, bullet 2.	In section 150.4.2.6, insert a paragraph between the 2nd and 3rd paragent the frequency of the SEND_S signal shall be 703.125MHz.	graphs with the text:
C/         149         SC         149.4.2.6.2         P77         I           WU, Peter         Marvell	40 # 51	C/         150         SC         150.4.2.6         P124         L2           WU, Peter         Marvell	# 50
Comment Type <b>T</b> Comment Status <b>A</b> send_s_timer expiration changed to "1.25us±0.05us"	Link Sync	Comment Type <b>T</b> Comment Status <b>A</b> SEND_S signaling modification	Link Syne
SuggestedRemedy see attached contrtibution "Wu_3ch_01a_0918.pdf"		SuggestedRemedy see attached contribution "Wu_3ch_01a_0918.pdf"	
Response Response Status C ACCEPT IN PRINCIPLE.		Response Response Status C ACCEPT IN PRINCIPLE.	
Make change as defined in Wu 3ch 01a 0918.pdf, Slide	1 hullet 4 subhullet 1	Make change as defined in Wu 3ch 01a 0918.pdf, Slide 4, bullet 3.	

Cl         150         SC         150.4.2.6.2         P125         L40         # 53           WU, Peter         Marvell	C/         150         SC         150.8.1         P140         L 35         #         40           Wienckowski, Natalie         General Motors         General Motors         40
Comment Type <b>T</b> Comment Status <b>A</b> Link Sync send_s_timer expiration changed to "1.25us±0.05us"	Comment TypeTComment StatusAMLThis spec should not define a specific MDI connector.
SuggestedRemedy see attached contrtibution "Wu_3ch_01a_0918.pdf" Response Response Status C ACCEPT IN PRINCIPLE.	SuggestedRemedy         Remove yellow highlighting on: Further         specification of the mechanical interface is beyond the scope of this standard.         Response       Response Status         C         ACCEPT.
Make change as defined in Wu_3ch_01a_0918.pdf, Slide 4, bullet 4, subbullet 1.         C/       150       SC 150.4.2.6.2       P125       L44       # 54	C/         149         SC         149.5.1         P84         L 37         #         22           Wienckowski, Natalie         General Motors         General Motors         Environmentation         Envitest         Environmentation         Environm
WU, Peter Marvell Comment Type T Comment Status A Link Sync sigdet_wait_timerexpiration changed to" 5.0us±0.15us" SuggestedRemedy	Comment Type       T       Comment Status       A       PM         The PMA electrical specification tests for Multi-Gig are the same as they are for slower speeds as specific frequencies are not specified.       SuggestedRemedy       Accept the text in clause 149.5.1 and its subclauses, e.g. remove yellow highlighting.
see attached contrtibution "Wu_3ch_01a_0918.pdf" <i>Response Response Status</i> <b>C</b> ACCEPT IN PRINCIPLE.	Response       Response Status       C         ACCEPT IN PRINCIPLE.       Remove Section 149.5.1.
Make change as defined in Wu_3ch_01a_0918.pdf, Slide 4, bullet 4, subbullet 2.	C/         149         SC         149.5.3.5         P88         L 21         #         26           Wienckowski, Natalie         General Motors
C/     149     SC     149.8.1     P92     L 39     # 39       Wienckowski, Natalie     General Motors       Comment Type     T     Comment Status     A     MDI       This spec should not define a specific MDI connector.     MDI	Comment Type       T       Comment Status       R       PM.         Set peak differential output tolerance to 30%.       SuggestedRemedy       Change: transmit differential signal at MDI shall be less than 1 +TBD V peak-to-peak
SuggestedRemedy         Remove yellow highlighting on: Further         specification of the mechanical interface is beyond the scope of this standard.         Response       Response Status         C         ACCEPT.	To: transmit differential signal at MDI shall be less than 1.3 V peak-to-peak <i>Response Response Status</i> C REJECT.

C/ 149 SC 149.5.3.6 Wienckowski, Natalie	P <b>88</b> General Motors	L <b>27</b>	# <u>2</u> 9		Cl 150 SC 150.5.4.5 Wienckowski, Natalie	P <b>136</b> General Motors	L <b>21</b>	# <u>2</u> 7	
Comment Type <b>T</b> Comment Set the symbol transmission rate to	nt Status <b>A</b> Derance to 50 ppm.			PMA	<i>Comment Type</i> <b>T</b> Set peak differential ou	Comment Status <b>R</b> tput tolerance to 30%.			PMA
SuggestedRemedy Remove yellow highlighting on 50 p Response Response ACCEPT.	opm. e Status <b>C</b>					rential signal at MDI shall be less I signal at MDI shall be less thar <i>Response Status</i> <b>C</b>			1
<i>Cl</i> <b>149</b> <i>SC</i> <b>149.5.3.6</b> Wienckowski, Natalie	P88 General Motors	L <b>30</b>	# 31		C/ <b>150</b> SC <b>150.5.4.6</b> Wienckowski, Natalie	P <b>136</b> General Motors	L <b>27</b>	# 30	
Comment Type T Comment Set the short-term rate of frequence SuggestedRemedy Remove yellow highlighting on 0.1 p		m/second.		PMA	Comment Type T	Comment Status <b>A</b> of frequency variation to 0.1 pp	m/second.		PMA
, , , , , , , , , , , , , , , , , , , ,	e Status C				Remove yellow highligh Response ACCEPT IN PRINCIPL	Response Status C			
Cl 150 SC 150.5.1 Wienckowski, Natalie	P <b>132</b> General Motors	L <b>37</b>	# 23		This is actually the sym	bol transmission rate tolerance.			
Comment Type T Commen	nt Status A			PMA	Remove yellow highligh	nting on 50 ppm in lines 28 and 3	31.		
The PMA electrical specification tes speeds as specific frequencies are		the same as the	y are for slowe	er	C/ <b>150</b> SC <b>150.5.4.6</b> Wienckowski. Natalie	P <b>136</b> General Motors	L <b>30</b>	# 32	
SuggestedRemedy Accept the text in clause 150.5.1 ar	nd its subclauses, e.	g. remove yellov	v highlighting.		Comment Type <b>T</b>	Comment Status A			PMA
Response Response ACCEPT IN PRINCIPLE.	e Status C				SuggestedRemedy	e of frequency variation to 0.1 pp nting on 0.1 ppm/second.	m/secona.		
Remove section 150.5.1.					Response ACCEPT IN PRINCIPL	Response Status <b>C</b> E.			
					This actually Line 34.				

C/ 98B SC 98B Wienckowski, Natalie	P <b>145</b> General Motor	L <b>16</b> s	# 44	
Comment Type <b>T</b> Change bit assignment future PHYs.	Comment Status <b>A</b> ts in ch and cg to remove inte	rleaved reserved	<i>Registers</i> bits and plan for	
SuggestedRemedy Change 2.5GBASE-T1 Change 5GBASE-T1 a Change 10GBASE-T1	bility to A4 from A8			
Response ACCEPT IN PRINCIPL	Response Status <b>C</b> E.			
00	medy with editorial license to g's comment resolution to avo		nments depending	