Cl Intro SC Intro Wienckowski, Natalie	Р 9 General Motors	L 4	# 5		Cl 44 SC 44.3 Wienckowski, Natalie	P 32 General Motors	L 8	# 43	
Comment Type E Duplicate of Amendme	Comment Status A			EZ	Comment Type E broken link	Comment Status A			EZ
SuggestedRemedy Remove second Amer					<i>SuggestedRemedy</i> Change: text 150.1 To: Link to 150.10				
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C			
-	Amendment: Physical Layer Sp sical Layer Specifications	ecifications			Cl 45 SC 45.2.1.18 Wienckowski, Natalie	5 P34 General Motors	L17	# 6	
Cl Intro SC Intro Wienckowski, Natalie	P 12 General Motors	L	# 2		Comment Type E Missing space	Comment Status A			EZ
Comment Type E SuggestedRemedy	Comment Status A			EZ	<i>SuggestedRemedy</i> Change: 0100 To: 0100				
	es throughout document				Response	Response Status C			
Response	Response Status C				ACCEPT.				
ACCEPT.					Cl 45 SC 45.2.1.18 Wienckowski, Natalie	5.2 P34 General Motors	L 28	# 1	
Cl 125 SC 125.1.4 WU, Peter	P 45 Marvell	L 53	# 48		Comment Type E	Comment Status A on based on 802.3cg change			EZ
Comment Type T	Comment Status A			EZ	SuggestedRemedy				
EEE is optinal for 5GB SuggestedRemedy	A3E-11				Change Editor Instruct	ion to: Insert the following text a ied by 802.3cg) as follows:	fter the fifth s	entence of	
Marked as "O"					Response	Response Status C			
Response	Response Status C				ACCEPT IN PRINCIPL	.E.			
ACCEPT IN PRINCIPI Add "O" with underlinir	∟E. ng in cell (EEE, 5GBASE-T1)				Editor to update Editor	Instruction based on P802.3cg I	D2p1.		

CI 78 SC 78 Wienckowski, Natalie	P 37 General Motors	L	# 8		C/ 125 SC 1.4 Wu, Mau-Lin	Р 45 MediaTek	L 22	# 46	
Comment Type E Page forced to 21	Comment Status A			EZ	Comment Type T In Table 125-1, the ""	Comment Status A Description"" of 5GBASE-T1 is "	"TBD modula	tion"". It's not corre	EZ ect!
SuggestedRemedy Change to use next av Response	ailable page number. <i>Response Status</i> C					d PAM4 as the modulation of 2. tion"" into ""PAM4 modulation"".		and 5GBASE-T1. S	Shall
ACCEPT.					Response ACCEPT.	Response Status C			
C/ 125 SC 125.1.3 Wienckowski, Natalie	P 44 General Motors	L 48	# 7		C/ 125 SC 125.1.4 WU, Peter	P 45 Marvell	L 48	# 47	
Comment Type E Missing space	Comment Status A			EZ	Comment Type T EEE is optinal for 2.5	Comment Status A			EZ
SuggestedRemedy Change: PAM4for To: PAM4 for					SuggestedRemedy Marked as "O"				
Response ACCEPT.	Response Status C				Response ACCEPT IN PRINCIF	Response Status C PLE.			
C/ 125 SC 1.4	P 45 MediaTek	L15	# 45		Add "O" with underlin	ing in cell (EEE, 2.5GBASE-T1)			
Wu, Mau-Lin Comment Type T	Comment Status A			EZ	C/ 149 SC 149.1.2 Wienckowski, Natalie	P 50 General Motors	L 2	# 9	
In Table 125-1, the ""D SuggestedRemedy	escription"" of 2.5GBASE-T1 is	""TBD modu	lation"". It's not cor	rect!	Comment Type E Missing period at end	Comment Status A of sentence.			EZ
	PAM4 as the modulation of 2.5 on"" into ""PAM4 modulation"".	5GBASE-T1 a	IND 5GBASE-T1. S	ihall	SuggestedRemedy				
Response ACCEPT.	Response Status C				Add missing period. <i>Response</i> ACCEPT.	Response Status C			

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Cl 149 SC 149.1.2 Wienckowski, Natalie Vienckowski, Natalie Vienckowski, Natalie	P 50 General Motors	L 20	# <u>3</u>		<i>Cl</i> 149 <i>SC</i> 149.4.2.2 Wienckowski, Natalie	P 70 General Motors	L 15	# 18
Comment Type T The MDI is not part of th	Comment Status A e PHY and should not be shad	ed in Figure 149	- 1.	EZ	Comment Type E broken link	Comment Status A		EZ
SuggestedRemedy Remove shading on MD	I "box" in Figure 149-1.				SuggestedRemedy Change: text 149.1 To: Link to 149.5			
Response ACCEPT.	Response Status C				Response ACCEPT.	Response Status C		
Cl 149 SC 149.4.2.1 Feyh, German	P 54 Broadcom	L10	# 57		<i>Cl</i> 149 <i>SC</i> 149.4.2.6 WU, Peter	P 75 Marvell	L 27	# 55
Comment Type E PAM4 has four levels SuggestedRemedy change "three level" to "	Comment Status A			Late	Comment Type T SEND_S signaling mod SuggestedRemedy	Comment Status A ification - 703.125MHz		Link Sync
Response ACCEPT IN PRINCIPLE					see attached contrtibuti <i>Response</i> ACCEPT IN PRINCIPLI	on "Wu_3ch_01a_0918.pdf" Response Status C E.		
Change "three level" to ' C/ 149 SC 149.2.2.1	P58	L 25	# 13			ert a paragraph between the END_S signal shall be 703.12		graphs with the text:
Wienckowski, Natalie Comment Type E missing periods SuggestedRemedy	General Motors Comment Status A			EZ	Cl 149 SC 149.4.2.6 WU, Peter Comment Type T SEND_S signaling mod	P 76 Marvell <i>Comment Status</i> A ification	L 2	# 49 Link Sync
Add periods at end of O Response ACCEPT.	K and NOT_OK statements <i>Response Status</i> C				SuggestedRemedy see attached contrtibuti Response	on "Wu_3ch_01a_0918.pdf" Response Status C		
Cl 149 SC 149.4.2.1 Wienckowski, Natalie	P 70 General Motors	L1	# 16		ACCEPT IN PRINCIPLI	Ξ.		
Comment Type E typo	Comment Status A			EZ	Make change as define	d in Wu_3ch_01a_0918.pdf, \$	Slide 4, bullet 2.	
SuggestedRemedy Change: stat). To state.								
Response ACCEPT.	Response Status C							
	ER/editorial required GR/gen patched A/accepted R/rejected					Pa 76 Li 2		Page 3 of 10 9/12/2018 1:05:06

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149 SC 149.4.2.6.2 I, Peter	Р 77 Marvell	L 40	# 51	C/ 149 SC 149.5.1 P 84 L 37 # 22 Wienckowski, Natalie General Motors General Motors B
send_s_timer expiration changed ggestedRemedy see attached contrtibution "Wu_3			Link	Comment Type T Comment Status A PMA The PMA electrical specification tests for Multi-Gig are the same as they are for slower speeds as specific frequencies are not specified. PMA SuggestedRemedy Accept the text in clause 149.5.1 and its subclauses, e.g. remove yellow highlighting. PMA
ACCEPT IN PRINCIPLE.	3ch_01a_0918.pdf, SI	ide 4, bullet 4, si	ubbullet 1.	Response Response Status C ACCEPT IN PRINCIPLE.
149 SC 149.4.2.6.2 , Peter	P 77 Marvell	L 44	# 52	Remove Section 149.5.1. C/ 149 SC 149.5.2.2 P87 L15 # 24
mment Type T Comment Status A Link Sy sigdet_wait_timerexpiration changed to" 5.0us±0.15us" ggestedRemedy see attached contrtibution "Wu_3ch_01a_0918.pdf"		Link	Wienckowski, Natalie General Motors Comment Type E Comment Status A Editorial Figure 149-13 was not drawn in Frame	
see attached contrtibution "Wu_3	nse Status C	ide 4 hullet 4 s	ubbullet 2	SuggestedRemedy Redraw Figure 149-13 in Frame. Response Response Status C ACCEPT IN PRINCIPLE.
149 SC 149.4.4.1 enckowski, Natalie	P 81 General Motors	L 25	# <u>20</u>	TX_TCLK is In yellow highlight. Replace TX_TCLK with TX_TCLK_DIV.
	nent Status A			Add editor's note, by the Test Mode 1 text that we need to define TX_TCLK_DIV.
•	SEND_I, SEND_T, SE nse Status C	END_Z statemer	nts	Page 85 line 27 - change TX_TCLK125 to TX_TCLK_DIV with no yellow highlighting. Cl 149 SC 149.5.3.5 P 88 L 21 # 26 Wienckowski, Natalie General Motors General Motors PMA Comment Type T Comment Status R PMA
ACCEPT.				Set peak differential output tolerance to 30%. SuggestedRemedy Change: transmit differential signal at MDI shall be less than 1 +TBD V peak-to-peak To: transmit differential signal at MDI shall be less than 1.3 V peak-to-peak Response Response Status C
				SuggestedRemedy Change: transmit differential signal at MDI shall be less than 1 +TBD V peak-to-pe To: transmit differential signal at MDI shall be less than 1.3 V peak-to-peak

Cl 149 SC 149.5.3.6 Wienckowski, Natalie	P 88 General Motors	L 27	# 29		C/ 149 SC 149.7.1.5 P92 L 31 # 35 Wienckowski, Natalie General Motors
	Comment Status A on rate tolerance to 50 ppm. g on 50 ppm.			РМА	Comment TypeTComment StatusALink SegmentSet 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.SuggestedRemedy
Response F ACCEPT.	Response Status C				Remove yellow highlighting on 94 ns. <i>Response</i> <i>Response</i> <i>C</i>
Cl 149 SC 149.5.3.6 Wienckowski, Natalie	P 88 General Motors	L 30	# 31		ACCEPT.
Comment Type T	Comment Status A			PMA	C/ 149 SC 149.7.1.5 P92 L 32 # 37 Wienckowski, Natalie General Motors 37
SuggestedRemedy Remove yellow highlighting	frequency variation to 0.1 pp g on 0.1 ppm/second. Response Status C	m/secona.			Comment Type T Comment Status A Link Segment Set maximum frequency for link segment propagation delay to 3000 MHz. SuggestedRemedy Femove yellow highlighting on 3000 MHz. Response Response Status C
C/ 149 SC 149.7.1.1 Wienckowski, Natalie	P 90 General Motors	L 34	# <u>3</u> 3		Response Response Status C ACCEPT IN PRINCIPLE. Keep yellow highlighting and make the value TBD.
Comment Type T IL frequency axis should s	<i>Comment Status</i> A tart at 0			EZ	Add Editor's note at start of 149.7 that we need to come to align the maximum frequencies for all link segment parameters.
	be 0 to 3000. Response Status C				C/ 149 SC 149.8.1 P92 L 39 # 39 Wienckowski, Natalie General Motors Comment Type T Comment Status A MDI
ACCEPT.					This spec should not define a specific MDI connector. SuggestedRemedy Remove yellow highlighting on: Further specification of the mechanical interface is beyond the scope of this standard. Response Response Status C ACCEPT.

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C/ 149 SC 149.8.3 P92 L53 # 41 C/ 150 SC 150.2 P100 L2 # 12 Wienckowski, Natalie General Motors Wienckowski, Natalie General Motors Comment Type **T** Comment Status A Fault Tolerance Comment Type E Comment Status A ΕZ The automotive fault tolerance is the same for all communication speeds... broken link SugaestedRemedv SuggestedRemedy Remove yellow highlighting on: See 96.8.3. Change: text 150.1 To: Link to 150.2.2 Response Response Status C Response Response Status C ACCEPT. ACCEPT. C/ 150 SC 150.1.3 P98 L1 # 10 C/ 150 SC 150.4.2.2 P102 L10 # 58 Wienckowski, Natalie General Motors Feyh, German Broadcom Comment Type E Comment Status A ΕZ Comment Type E Comment Status A Late noun/verb agreement PAM4 has four levels SuggestedRemedy SuggestedRemedy Change: The 5GBASE-T1 and 10GBASE-T1 PHYs utilizes four level change "three level" to "four level" To: The 5GBASE-T1 and 10GBASE-T1 PHYs utilize four level Response Response Response Status C Response Status C ACCEPT IN PRINCIPLE ACCEPT. SC 150.1.2 # Change "three level" to "four-level". C/ 150 P98 L25 Wienckowski, Natalie **General Motors** C/ 150 SC 150.2.2.1 P106 L25 # 14 Comment Type T Comment Status A ΕZ Wienckowski, Natalie General Motors The MDI is not part of the PHY and should not be shaded in Figure 150-1. ΕZ Comment Type E Comment Status A SuggestedRemedy missing periods Remove shading on MDI "box" in Figure 150-1. SugaestedRemedv Response Response Status C Add periods at end of OK and NOT OK statements ACCEPT. Response Response Status C ACCEPT SC 150.1.3 # 11 C/ 150 P99 L14 Wienckowski, Natalie General Motors ΕZ Comment Type E Comment Status A broken link SuggestedRemedy Change: text 150.1 To: Link to 150.4 Response Response Status C ACCEPT. TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Pa 106 Page 6 of 10

cal Layer Specifications and Management Parameters for Greater Than 1 Gb/s Automotive Ethernet 1st Ta

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C/ 150 SC 150.4.1 Wienckowski, Natalie	P 116 General Motors	L 27	# <u>1</u> 5		C/ 150 SC 150.4.2.6 WU, Peter	P 123 Marvell	L 27	# 56
Comment Type E broken link	Comment Status A			EZ	Comment Type T SEND_S signaling mod	Comment Status A ification 703.125MHz		Link Sync
SuggestedRemedy Change: text 150.1 To: Link to 150.2.2						on "Wu_3ch_01a_0918.pdf"		
Response ACCEPT.	Response Status C				Response ACCEPT IN PRINCIPLI			
Cl 150 SC 150.4.2.1 Wienckowski, Natalie	P 118 General Motors	L 1	# 17			ert a paragraph between the END_S signal shall be 703.12		ragraphs with the text:
Comment Type E	Comment Status A			EZ	Cl 150 SC 150.4.2.6 WU, Peter	P 124 Marvell	L 2	# 50
typo SuggestedRemedy					Comment Type T SEND_S signaling mod	Comment Status A		Link Sync
Change: stat). To state. Response ACCEPT.	Response Status C				SuggestedRemedy see attached contributio	on "Wu_3ch_01a_0918.pdf"		
Cl 150 SC 150.4.2.2 Wienckowski, Natalie	P 118 General Motors	L15	# 19		Response ACCEPT IN PRINCIPLI	Response Status C E		
	Comment Status A			ΕZ	Make change as define	d in Wu_3ch_01a_0918.pdf,	Slide 4, bullet 3	
Comment Type E broken link	Comment Status A			EZ	C/ 150 SC 150.4.2.6. WU, Peter	2 P125 Marvell	L 40	# 53
SuggestedRemedy Change: text 150.1 To: Link to 150.5					Comment Type T send_s_timer expiratior	Comment Status A changed to "1.25us±0.05us'		Link Sync
Response ACCEPT.	Response Status C				SuggestedRemedy see attached contrtibuti	on "Wu_3ch_01a_0918.pdf"		
					Response ACCEPT IN PRINCIPLI	Response Status C		

Make change as defined in Wu_3ch_01a_0918.pdf, Slide 4, bullet 4, subbullet 1.

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C/ 150 SC 150.4.2.6.2 WU, Peter	P 125 Marvell	L 44	# 54	C/ 150 SC 150.5.2.2 Wienckowski, Natalie	P 135 General Motors	L15	# 25
Comment Type T Com sigdet_wait_timerexpiration cha	ment Status A nged to" 5.0us±0.15us	5"	Link Sync	Comment Type E C Figure 150-13 was not drav	Comment Status A vn in Frame		Editori
SuggestedRemedy see attached contrtibution "Wu	_3ch_01a_0918.pdf"			SuggestedRemedy Redraw Figure 150-13 in Fi	rame.		
Response Respons	onse Status C			Response R ACCEPT IN PRINCIPLE. TX_TCLK is In yellow highl	esponse Status C		
Make change as defined in Wu	_3ch_01a_0918.pdf, S	lide 4, bullet 4	, subbullet 2.	Replace TX_TCLK with TX	TCLK_DIV.		
C/ 150 SC 150.4.4.1	P129	L 25	# 21	Add editor's note, by the Te	est Mode 1 text that we need	to define T	K_TCLK_DIV.
Wienckowski, Natalie	General Motors			Page 133 line 27 - change	TX_TCLK125 to TX_TCLK_	DIV with no	yellow highlighting.
Comment Type E Communication C	ment Status A		EZ	C/ 150 SC 150.5.3	P135	L 51	# 28
SuggestedRemedy				Wienckowski, Natalie Comment Type E 0	General Motors Comment Status A		E
Add periods at end of SEND_N		END_Z staten	ients	Duplicate clause heading: 1			L
Response Respo ACCEPT.	onse Status C			SuggestedRemedy Remove duplicate clause b	eading 150.5.3 Test Modes		
Cl 150 SC 150.5.1 Wienckowski, Natalie	P 132 General Motors	L 37	# 23		esponse Status C		
Comment Type T Com The PMA electrical specification speeds as specific frequencies		e the same as	<i>PMA</i> they are for slower	<i>Cl</i> 150 <i>SC</i> 150.5.4.5 Wienckowski, Natalie	P 136 General Motors	L 21	# 27
SuggestedRemedy Accept the text in clause 150.5.	1 and its subclauses,	e.g. remove ye	llow highlighting.	<i>Comment Type</i> T Comment Type T Comment Type	Comment Status R tolerance to 30%.		PM
Response Respons	onse Status C				al signal at MDI shall be les nal at MDI shall be less thar		
Remove section 150.5.1.				-	esponse Status C		

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<i>Cl</i> 150 <i>SC</i> 150.5.4.6 Wienckowski, Natalie	P 136 General Motors	L 27	# <u>3</u> 0		Cl 150 SC 150.7.1. Wienckowski, Natalie	5 P140 General Motors	L 27	# 36)
Comment Type T Set the short-term rate SuggestedRemedy Remove yellow highligh Response ACCEPT IN PRINCIPLE	Response Status C	om/second.		ΡΜΑ				num segmer	
This is actually the syml	bol transmission rate tolerance.				ACCEPT.				
Remove yellow highligh	ting on 50 ppm in lines 28 and 3 P 136	31.	# 32		C/ 150 SC 150.7.1. Wienckowski, Natalie	5 P140 General Motors	L 28	# 38	}
Wienckowski, Natalie Comment Type T Set the short-term rate SuggestedRemedy	General Motors Comment Status A of frequency variation to 0.1 pp ting on 0.1 ppm/second. Response Status C		π 52	РМА	SuggestedRemedy Remove yellow highlig Response ACCEPT IN PRINCIP Keep yellow highlighti	Response Status C		MHz.	ink Segmen
Cl 150 SC 150.7.1.1 Wienckowski, Natalie	P 138 General Motors	L 33	# 34		for all link segment pa C/ 150 SC 150.8.1	rameters. P 140	L35	# 40	
Comment Type T IL frequency axis should SuggestedRemedy Change Fequency axis Response ACCEPT.				EZ	SuggestedRemedy Remove yellow highlig specification of the mo	echanical interface is beyond the	scope of this	standard.	MD
					Response ACCEPT.	Response Status C			

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalPa 140Page 9 of 10COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed Z/withdrawnLi 359/12/2018 1:05:06 PMSORT ORDER: Page, Line

	7 1		5	
Cl 150 SC 150.8 . Wienckowski. Natalie	3 P140 General Mot	L 49	# 42	
Comment Type T	Comment Status A		Fault Tolera	ance
SuggestedRemedy	nlighting on: See 96.8.3.			
Response ACCEPT.	Response Status C			
C/ 98B SC 98B Wienckowski, Natalie	P 145 General Mot	L16 ors	# 44	
Comment Type T Change bit assignm future PHYs.	Comment Status A nents in ch and cg to remove in	terleaved reserve	<i>Regis</i> ed bits and plan for	sters
SuggestedRemedy				
Change 5GBASE-T	-T1 ability to A3 from A7 1 ability to A4 from A8 T1 ability to A5 from A9			
Response	Response Status C			
ACCEPT IN PRINC	IPLE.			
00	Remedy with editorial license to a solution	0	ignments depending	

Pa **145** Li **16**