D2.2 Physical Layer Specifications and Management Parameters for 2.5 Gb/s, 5 Gb/s, and 10 Gb/s Autor

C/ 45	SC 45.2.1.192.1	P 35	L 44	# 15	
Tu, Mike		Broadcom			
Comment Regist PCS r	ter bit 1.2309.15 is PMA/F	nent Status D MD reset. But this s	tatement referes	to 149.3.2.1, which	EZ n is
Suggested	dRemedy				
On pa	ge 35, line 44, change the	e reference from 149	.3.2.1 to 149.4.2	.1.	
•	Response Respo POSED ACCEPT.	nse Status W			
P802. Hence Howe	omment does not apply to 3ch D2.1 and D2.2 or the e it is not within the scope ver, the change suggester nse is a substantive changause.	unsatisfied negative of the recirculation b d has identified an er	comments from pallot. ror in the draft, a	earlier ballots. and the proposed	
C/ 45	SC 45.2.1.195.3	P 39	L 50	# 1	
Wienckow	vski, Natalie	General Moto	rs		
Comment	Type T Com	ment Status D			ΕZ
	recoder registers and text ister bits that were deleted		2.2, but there is s	still a reference in D	2.2
Suggested	dRemedy				
contro	e: In normal operation, thi I register bits 1.2309.10:9 17: Also, delete PICS MN				Ą
	Response Respo POSED ACCEPT.	nse Status 🛛 🛛 🛛 🛛 🛛 🗤			
C/ 45	SC 45.2.1.195.3	P 39	L 51	# 4	
Tu, Mike		Broadcom			
Comment Contro	Type T Common Common Common Type T Common Comm	<i>ment Status</i> D do not exist.			ΕZ
Suggested	<i>dRemedy</i> the last sentence of this	naraaranh			
201010		palayiapii.			

Tu, Mike Broadcom Comment Type T Comment Status D The transmit jitter tests are specified in both 149.5.2.3.1 and 149.5.2.3.2. Recommend to refer to both, or simply refer to 149.5.2.3. SuggestedRemedy Option 1. Change "149.5.2.3.1" to "149.5.2.3". Option 2. Change "149.5.2.3.1 for more information." to "See 149.5.2.3.1 and 149.5.2.3.1 and 149.5.2.3.2 for more information." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "149.5.2.3.1" to "149.5.2.3". Cl 45 SC 45.2.1.198 P 42 L 36 # Tu, Mike Broadcom D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. P 42 L 49 # 9 Tu, Mike Broadcom Comment Type Comment Status D Tu, Mike Broadcom Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE	C/ 45	SC 45.2.1.196.4	P 41	L 51	# 6
The transmit jitter tests are specified in both 149.5.2.3.1 and 149.5.2.3.2. Recommend to refer to both, or simply refer to 149.5.2.3. SuggestedRemedy Option 1. Change "149.5.2.3.1" to "149.5.2.3". Option 2. Change "See 149.5.2.3.1 for more information." to "See 149.5.2.3.1 and 149.5.2.3.2 for more information." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "149.5.2.3.1" to "149.5.2.3". C/ 45 SC 45.2.1.198 P42 L 36 # 8 Tu, Mike Broadcom Comment Type T Comment Status D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. C/ 45 SC 45.2.1.199.1 P42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Tu, Mike		Broadcom		
refer to both, or simply refer to 149.5.2.3. SuggestedRemedy Option 1. Change "149.5.2.3.1" to "149.5.2.3". Option 2. Change "See 149.5.2.3.1 for more information." to "See 149.5.2.3.1 and 149.5.2.3.2 for more information." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "149.5.2.3.1" to "149.5.2.3". Cl 45 SC 45.2.1.198 P42 L 36 # 8 Tu, Mike Broadcom Comment Type T Comment Status D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Comment	Type T Cor	mment Status D		
Option 1. Change "149.5.2.3.1" to "149.5.2.3". Option 2. Change "See 149.5.2.3.1 for more information." to "See 149.5.2.3.1 and 149.5.2.3.2 for more information." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "149.5.2.3.1" to "149.5.2.3". Cl 45 SC 45.2.1.198 P42 L 36 Tu, Mike Broadcom Comment Type T Comment Status D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P42 L 49 Tu, Mike Broadcom Comment Type E Comment Status D Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W				3.1 and 149.5.2	2.3.2. Recommend to
Option 2. Change "See 149.5.2.3.1 for more information." to "See 149.5.2.3.1 and 149.5.2.3.2 for more information." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "149.5.2.3.1" to "149.5.2.3". C/ 45 SC 45.2.1.198 P 42 L 36 # 8 Tu, Mike Broadcom Comment Type T Comment Status D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. C/ 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type Comment Status W PROPOSED ACCEPT. C/ 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Suggested	Remedy			
PROPOSED ACCEPT IN PRINCIPLE. Change "149.5.2.3.1" to "149.5.2.3". Cl 45 SC 45.2.1.198 P 42 L 36 # 8 Tu, Mike Broadcom Comment Type T Comment Status D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Option	2. Change "See 149.5.	2.3.1 for more informa	ation." to "See 14	19.5.2.3.1 and
Cl 45 SC 45.2.1.198 P 42 L 36 # 8 Tu, Mike Broadcom Comment Type T Comment Status D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	•				
Tu, Mike Broadcom Comment Type T Comment Status D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Page L 49 # Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Chang	e "149.5.2.3.1" to "149.	5.2.3".		
Comment Type T Comment Status D Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. CI 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	C/ 45	SC 45.2.1.198	P 42	L 36	# 8
Typos in Table 45-155g. 1.2314 should be 1.2315 on the first column. SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Tu, Mike		Broadcom		
SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Comment	Type T Cor	nment Status D		
SuggestedRemedy Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Typos	in Table 45-155g, 1,23 [,]	14 should be 1.2315 o	n the first colum	n.
Change the first column of Table 45-155g from "1.2314.xx:yy" to "1.2315.xx:yy". Proposed Response Response Status W PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W		Ũ			
Proposed Response Response Status W PROPOSED ACCEPT.		•			
PROPOSED ACCEPT. Cl 45 SC 45.2.1.199.1 P 42 L 49 # 9 Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Chang	e the first column of Ta	ble 45-155g from "1.23	314.xx:yy" to "1.2	2315.xx:yy".
Tu, Mike Broadcom Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	•		oonse Status 🛛 🛛 🛛 🛛 🛛 🗤		
Comment Type E Comment Status D Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	C/ 45	SC 45.2.1.199.1	P 42	L 49	# 9
Title of the subclause should match with the name of register bits. SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Tu, Mike		Broadcom		
SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Comment	Type E Cor	nment Status D		
SuggestedRemedy Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)". Proposed Response Response Status W	Title of	the subclause should r	match with the name o	of register bits.	
Change line 49 to "45.2.1.199.1 MultiGBASE-T1 user defined data (1.2316.15:0)".Proposed ResponseResponse StatusW	Suggested	Bomody		Ū	
	Suggesteu	•	.1 MultiGBASE-T1 use	er defined data (1.2316.15:0)".
	Chang				
	Proposed I		oonse Status 🛛 🛛 🛛 🛛 🛛 🗤		
	Proposed I		bonse Status W		
	Proposed I		bonse Status W		
	Proposed I		bonse Status W		
	Proposed I		bonse Status W		
	Proposed I		bonse Status W		

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 U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 45 SC 45.2.1.199.1 Page 1 of 4 10/8/2019 11:16:20 AM

D2.2 Physical Layer Specifications and Management Parameters for 2.5 Gb/s, 5 Gb/s, and 10 Gb/s Autor

C/ 45 SC 45.2.1.200.1 P 43 L 25 # 10		C/ 149 SC 149.1.3 P 80 L 25 # 13
Tu, Mike Broadcom		Tu, Mike Broadcom
Comment Type E Comment Status D Title of the subclause should match with the name of register bits.	EZ	Comment TypeTComment StatusDE2PMA functionality is described in 149.4, not 149.2.
SuggestedRemedy Change line 25 to: "45.2.1.200.1 MultiGBASE-T1 link partner user defined data (1.2317.15:0)".		SuggestedRemedy Change the reference from 149.2 to 149.4.
Proposed Response Response Status W PROPOSED ACCEPT.		Proposed Response Response Status W PROPOSED ACCEPT.
C/ 149 SC 149.1.3 P 80 L 11 # 12 Tu, Mike Broadcom		This comment does not apply to the substantive changes between IEEE P802.3ch D2.1 and D2.2 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.
Comment Type T Comment Status D The EEE capability advertisation is described in 149.4.2.4.5.	EZ	However, the change suggested has identified an error in the draft, and the proposed response is a substantive change which fixes the cross reference to point to the correct subclause
SuggestedRemedy Change the reference from 149.3.2.2.22 to 149.4.2.4.5.		C/ 149 SC 149.1.3.3 P 81 L 30 # 14
Proposed Response Response Status W PROPOSED ACCEPT.		Tu, Mike Broadcom Comment Type T Comment Status D E2 EEE capability is embedded in Infofield octet 10 bit 6.
This comment does not apply to the substantive changes between IEEE P802.3ch D2.1 and D2.2 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.		SuggestedRemedy Change "(Octet 9 bit 7)" to "(Octet 10 bit 6)"
However, the change suggested has identified an error in the draft, and the propose response is a substantive change which fixes the cross reference to point to the col subclause.		Proposed Response Response Status W PROPOSED ACCEPT.
		This comment does not apply to the substantive changes between IEEE P802.3ch D2.1 and D2.2 or the unsatisfied negative comments from earlier ballots. Hence it is not within the scope of the recirculation ballot.

However, the change suggested has identified an error in the draft, and the proposed response is a substantive change which fixes the reference to the EEE capability bit which was changed in D2.1.

C/ 149 SC 149.1.3.3

D2.2 Physical Layer Specifications and Management Parameters for 2.5 Gb/s, 5 Gb/s, and 10 Gb/s Autor

C/ 149 SC 149.3.2.1	P 93	L 47	# 11		C/ 149 SC 149.3.	2.2	P 94	L 48	# 23	
Γu, Mike	Broadcom				McClellan, Brett		Marvell Semio	conductor		
Comment Type T Cor The PCS reset control registe	<i>mment Status</i> D or bit is 3.2322.15, not 1	1.2309.15.		ΕZ	Comment Type E typo	Commen	t Status D			E.
SuggestedRemedy On page 93, 149.3.2.1, line 43	7, change from "1.2309).15" to "3.2322.	.15".		SuggestedRemedy change "RS-FE" to '	'RS-FEC"				
roposed Response Response Response	ponse Status W				Proposed Response PROPOSED ACCE		Status W			
This comment does not apply P802.3ch D2.1 and D2.2 or th Hence it is not within the scop	ne unsatisfied negative	comments from			This comment does P802.3ch D2.1 and Hence it is not withir	D2.2 or the uns	atisfied negative	comments from		
However, the change suggest response is a substantive cha currently refers to the PMA re	ange which fixes the ref				However, the chang response is a non-si	e suggested ha ubstantive edito	s identified an ei rial change whic	ror in the draft, h improves clarit	and the proposed y.	ł
			"		C/ 149 SC 149.3.	2.2.3	P 96	L 17	# 19	
C/ 149 SC 149.3.2.2	P 94	L 40	# 22		McClellan, Brett		Marvell Semi	conductor		
AcClellan, Brett Comment Type E Cor grammar	Marvell Semic mment Status D	conductor		ΕZ	Comment Type E Tx_coded should be Rx coded should be	tx_coded	t Status D			E
0					SuggestedRemedy	TX_COULEU				
SuggestedRemedy change 'encoder' to 'encoders	s'				Change occurences	of "Tx coded"	to "tx coded"			
5	ponse Status W				Change occurences					
PROPOSED ACCEPT.					Proposed Response PROPOSED ACCE		Status W			
This comment does not apply P802.3ch D2.1 and D2.2 or th					C/ 149 SC 149.3.	2.2.18	P 104	L 45	# 20	
Hence it is not within the scop			Camer Ballots.		McClellan, Brett		Marvell Semi			
However, the change suggest	ted has identified an er	ror in the draft	and the proposed		Comment Type E	Commen	t Status D			E
response is a non-substantive					A and B are missing	subscript 'n' th	at was added in	149.3.2.2.19		
					SuggestedRemedy					
					change "A" to "A_n" change "B" to "B_n"	with _n indicat	ing a subscript			
					Proposed Response PROPOSED ACCE	,	Status W			

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 1 SORT ORDER: Clause, Subclause, page, line

C/ 149 SC 149.3.2.2.18 Page 3 of 4 10/8/2019 11:16:24 AM

D2.2 Physical Layer Specifications and Management Parameters for 2.5 Gb/s, 5 Gb/s, and 10 Gb/s Autor

C/ 149	SC 149.5.1	P 1	61	L 46	# 3	
Tu, Mike		Broa	dcom			
Comment Regist		Comment Status 9 do not exist.lt sho	-	13.10:9.		EZ
	e from: " by the	e value set in registe in register 1.2313.1		:9,"		
Proposed I PROP	Response OSED ACCEPT.	Response Status	W			
C/ 149	SC 149.5.2.4	P 1	65	L 21	# <u>1</u> 8	
den Beste	n, Gerrit	NXP	Semicondu	ctors		
Comment LPSD:	51	Comment Status naller than the other	-			EZ
Suggested Fix the	<i>Remedy</i> size of the L					
Proposed I PROP	Response OSED ACCEPT.	Response Status	w			
P802.3 Hence Howev	Bch D2.1 and D2 it is not within th ver, the change s	t apply to the substa 2 or the unsatisfied e scope of the recirc uggested has identif tantive editorial char	negative co culation ball ied an error	mments fror ot.	n earlier ballots. , and the proposed	
C/ 149	SC 149.7.1.3	2 P 1	71	L 8	# 21	
McClellan,	Brett	Marv	ell Semicor	ductor		
Comment T In Figu	51	Comment Status and N=0 are not alig	-	ssociated R	curves.	EZ
Suggested In Figu	•	N=1 and N=0 to be	aligned to t	he associate	d RL curves.	
Proposed I		Response Status	0			

Proposed Response Response Status W

PROPOSED ACCEPT.