IEEE P802.3ck D1.1 100/200/400 Gb/s Electrical Interfaces Task Force 2nd Task Force review comments

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C/ 120G	SC 120G.4.2	P 232	L 30	# 113	C/ 120G	SC 120G.4.2	P 232	L 30	# 140		
Ghiasi, Ali		Ghiasi Quant	um/Inphi		Dawe, Piers	3	Mellanox				
Comment Type TR Comment Status A RR DFE taps DFE tap weights are TBD Filler Filler <td colspan="6">Comment Type TR Comment Status A RR DFE tap The C2M normalized DFE coefficient magnitude limits need to be chosen carefully so that</td>					Comment Type TR Comment Status A RR DFE tap The C2M normalized DFE coefficient magnitude limits need to be chosen carefully so that						
Suggested Replac	Remedy ce bmax(1)=0.3 ar	nd bmax[2-4]=0.1, see ghia	si_3ck_01_0320) supporting presentation	the refe implem separa	erence receiver i entations. Opti- e max and min	s not better than, or grossl cal modules probably won't tap limits. See hidaka_3ck	y different to, a rai t use this classic [<_adhoc_01_021§	nge of real receiver DFE. This requires 020 for example tap		
Response Response Status C ACCEPT IN PRINCIPLE. After taking March 25 Strawpoll #2 and Strawpoll #3, there is consensus to close the comment as follows. Change bmax(1:4) to {0.4.0.15.0.1.0.1}.						weights found.					
						SuggestedRemedy					
						Tap 1 min 0.15 max 0.45 Tap 2 min -0.1 max 0.1 Taps 3, 4 min -0.05 max 0.05 Adjust names of limits and 93A.1 to support separate max and min limits; see another comment, against 162.11.7.					
-					Response	-	Response Status C				
Straw	Poll #2				ACCEF	T IN PRINCIPL	.E.				
I suppo A: {0.4	I support setting bmax(1:4) as follows: A: {0.4,0.15,0.15,0.15}					bmax limits have been approved based on the response to comment #113.					
B: {0.4,0.15,0.1,0.1} C: leave TBD Chicago rules. A: 18, B:17, C:4					However, there was general agreement that we should consider different values for max and min limit. Further analysis and consensus building is encouraged.						
Straw I I suppo A: {0.4 B: {0.4 Choos A: 12	Poll #3 prt setting bmax(1 ,0.15,0.15,0.15} ,0.15,0.1,0.1} e one. B: 18	:4) as follows:									
C/ 120G	SC 120G.4.2	P 232	L 32	# 115							
Ghiasi, Ali		Ghiasi Quant	um/Inphi								
Comment [*] One si	<i>Type</i> TR ded noise spectra	Comment Status A		RR noise							
Suggested Replae	Remedy TBD with 8.2e-9	V^2/GHz									
Response ACCEI	PT IN PRINCIPLE	Response Status C									
Set eta	a_0 to 4.1e-8.										

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C/ 120F	SC 120F.4.1	P 208	L 40	# 157	C/ 120G	SC 120G.4.2	P 232	L 36	# 10156		
Li, Mike		Intel			Dawe, Pier	S	Mellanox				
Comment	Type TR	Comment Status R			Comment	Type TR	Comment Status R				
Tr TB	D				[Comm	nent resubmitted	from Draft 1.0. Subcl. 120G.	4.2 - Pg 226 - Ir	า 13]		
SuggestedRemedy Change it to Tr =6.5 ps, which is consistent with CEI-112G-PAM4-MR					This recipe is a weird combination of the existing C2M measurement method and COM, which is a simulation not a measurement method, for channels not signals, and for						
Response	oonse Response Status C				backplanes with transmitter training not low power C2M.						
REJECT.					SuggestedRemedy						
This comment was closed on March 18, but reopened on March 25 per March 25 Straw				Unless someone can show that it works, change to the CTLE/FFE method as in OIF CEI- 112G-VSR.							
Poll #	Poll #1.			Response		Response Status C					
There is no consensus at this time to implement the suggested remedy. Further analysis				REJEC	CT.						
	and consensus building is underway.					The methodology specified is consistent with the adopted baseline (DFE not FFE).					
March I supp yes: 1 no: 14 abstai	March 25 Straw Poll #1: I support reopening comment #157 yes: 18 no: 14 abstain: 13					The related motion is replicated here: November 2019 Motion #6 Move to adopt slides 5, 7, 8, 12 of sun_3ck_01b_1119 as a C2M baseline, with the following exceptions: Y:49, N:0, A:5					
March 18 Straw poll #4: I support closing comment #157 with the suggested remedy. Yes: 18 No: 13 Abstain: 21					The comment does not provide evidence to support the proposal in the suggested remedy.						
					There is no support for the suggested remedy.						