IEEE P802.3ck D1.4 100/200/400 Gb/s Electi	rical Interfaces Task Force 5th	Task Force review comments
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C/ 162B SC 162B.1	P 259	L 17	# 6	C/ 162D SC 162D.1.1	P 283	L 50	# 10
Dudek, Mike	Marvell			Dudek, Mike	Marvell		
Comment Type TR	Comment Status A		test fixture (bucket1)	Comment Type E	Comment Status D		withdrawi
	t TP1 or TP4 etc. are made wit ted test fixture (162B.1.3)	h the Cable As	ssembly Test fixture	There is an unfortunate SuggestedRemedy	e page break in the middle of	Table 162D-3	
SuggestedRemedy On line 18 change 162	2B.1.3 to 162B.1.2			Adjust formatting so th	at this table is all on one page	9	
Response ACCEPT.	Response Status C			Proposed Response PROPOSED REJECT	Response Status Z		
C/ 162B SC 162B.1.3	3.2 P 262	L 41	# 7	C/ 163A SC 163A.4.1		L 46	# 11
Dudek, Mike	Marvell			Dudek. Mike	.z 7 209 Marvell	L 40	# 11
Comment Type T Table 162B-2 is relate	Comment Status A ed to crosstalk parameters not		ERL reference (bucket1)	Comment Type E	Comment Status A		editorial (bucket)
SuggestedRemedy				missing space betwee	i in and 93A.5		
Change 162B-2 to 162	2B-1 (two places0			SuggestedRemedy			
Response	Response Status C			fix it			
ACCEPT.				Response ACCEPT.	Response Status C		
C/ 162D SC 162D.1.1		L 31	# 9	C/ 163B SC 163B.2	P 291	L 9	# 12
Dudek, Mike	Marvell			Dudek, Mike	Marvell		
Comment Type T	Comment Status A in the Title of Table 162D-3 sh		editorial (bucket1)	Comment Type TR	Comment Status A	'P0v/	TP5v example (bucket1
SuggestedRemedy			DAGE-URZ.	•	fixture moved to an Annex it i e package parameters etc.	s necessary to r	efer to the relevant
Change it				SuggestedRemedy			
Response ACCEPT IN PRINCIP Change Title of Table	Response Status C LE. 162D-3 to "200GBASE-CR2".			methodology in 163A.3	ixture, the reference values d 3 are listed in Table 163B–1" t ording to the methodology in d in Table 163B–1"	o "For this test f	ixture, the reference
				Response ACCEPT.	Response Status C		

C/ 120G SC 120G.3	3.2 P 234	L 10	# 13	C/ 120G SC 120G.3.3.2 P 238 L 6 # 18
Dudek, Mike	Marvell			Dudek, Mike Marvell
Comment Type T	Comment Status A		editorial (bucket1)	Comment Type T Comment Status A TP4a
	oth near and far eye measuren I be to the module output	ients in table 12	0G-3 are to the host	The host only needs to meet either the near-end or far-end parameters. This should be clear in this "shall" statement.
SuggestedRemedy				SuggestedRemedy
Change the reference	e from 120G.3.1.5 to 120G.3.2	.2		Change " The input shall satisfy the input tolerance with the parameters in Table 120G-7
Response	Response Status C			to The input shall satisfy the input tolerance with either the near-end or the far-end parameters in Table 120G–7"
ACCEPT IN PRINCI In Table 120G-3, for from "120G.3.1.5" to	rows for NE EH, NE VEC, FE	EH, and FE VEC	change the reference	Response Response Status C ACCEPT IN PRINCIPLE.
C/ 120G SC 120G.	P 229	L 3	# 15	This comment proposes a technical change to the draft that does not address technical completeness.
Dudek, Mike	Marvell			
Comment Type E Clause 116.1.4 is ind	Comment Status A cluded in the draft and should b	e a hot link	editorial (bucket1)	A statement later in the subclause indicates that the host input need only meet one of the two stressors. See page 239 line 38.
SuggestedRemedy Make this a hot link.				However, it would be helpful to point out the same in this normative statement as well to avoid confusion.
Response	Response Status C			Implement the suggested remedy with editorial license.
ACCEPT.				C/ 120G SC 120G.1 P 229 L 5 # 21
				Dudek, Mike Marvell
				Comment Type E Comment Status A editorial (buck Annex 135A and 120A are part of this draft.
				SuggestedRemedy Make these references hot links.
				Response Response Status C ACCEPT.

Comment ID 21

C/ 162 SC 162.9.3	P 152	L 30	# 23	C/ 163 SC 163.	10.4 P 192	L 44	# 27
Brown, Matt	Huawei			Brown, Matt	Huawei		
Comment Type T Comment St	tatus A		TX RLCD	Comment Type T	Comment Status A	۱.	channel ILDC
In Table 162-10, the specified value for	r transmitter con	nmon-mode to	differential mode	The specified valu	e for channel differential to o	common-mode conve	ersion loss is TBD.
return loss is TBD.				SuggestedRemedy			
SuggestedRemedy				Provide a value or	equation and update PICS.		
Provide a value or equation and update				Response	Response Status C	;	
Response Response Sta	tatus C			ACCEPT IN PRIN	CIPLE.		
ACCEPT IN PRINCIPLE. Resolve using the response to comme	ont #118			Resolve using the	response to comment #122		
				C/ 120G SC 1200	6.3.1 P 231	L 33	# 32
C/ 162 SC 162.9.4	P 158	L 16	# 24	Brown, Matt	Huawei		
	Huawei			Comment Type T	Comment Status A	СМ	noise, PP voltage, RLCC
Comment Type T Comment St			RX RLCD	The editor's note v	vritten in D1.0 indicates that	the specified values	for host output AC CM
In Table 162-13, the specified value for TBD	r receiver differe	ntial to commo	n-mode return loss is		oltage, and RLCC require co	onfirmation. No propo	osals to change the
עסו				specified values n	ave been submitted.		
				SuggestedRemedy	ave been submitted.		
SuggestedRemedy Provide a value or equation and update	e PICS.			·			
SuggestedRemedy				SuggestedRemedy		:	
SuggestedRemedy Provide a value or equation and update Response Response Sta ACCEPT IN PRINCIPLE.	atus C			SuggestedRemedy Remove the editor	's note.	:	
SuggestedRemedy Provide a value or equation and update Response Response Sta	atus C			SuggestedRemedy Remove the editor Response ACCEPT.	's note. Response Status C		// [27
SuggestedRemedy Provide a value or equation and update Response Response Sta ACCEPT IN PRINCIPLE. Resolve using the response to comme	atus C	L 41	# 26	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 1200	's note. Response Status C 3.3.2 P 234		# 35
SuggestedRemedy Provide a value or equation and update Response Response State ACCEPT IN PRINCIPLE. Resolve using the response to comme Cl 163 SC 163.9.3	ent #119.	L 41	# 26	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 1200 Brown, Matt	's note. <i>Response Status</i> C 3.3.2 <i>P</i> 234 Huawei	L 32	
SuggestedRemedy Provide a value or equation and update Response Response Sta ACCEPT IN PRINCIPLE. Resolve using the response to comme C/ 163 SC 163.9.3 Brown, Matt	<i>iatus</i> C ent #119. <i>P</i> 187 Huawei	L 41	# 26	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 1200 Brown, Matt Comment Type T	's note. <i>Response Status</i> C 5.3.2 <i>P</i> 234 Huawei <i>Comment Status</i> A	L 32	TP4 AC CM noise
SuggestedRemedy Provide a value or equation and update Response Response Sta ACCEPT IN PRINCIPLE. Resolve using the response to comme C/ 163 SC 163.9.3 Brown, Matt	tatus C ent #119. P 187 Huawei tatus A		RX RLCD	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 1200 Brown, Matt Comment Type T The editor's note in	's note. <i>Response Status</i> C 3.3.2 <i>P</i> 234 Huawei <i>Comment Status</i> A ndicates that the value spec	L 32	TP4 AC CM noise
SuggestedRemedy Provide a value or equation and update Response Response State ACCEPT IN PRINCIPLE. Resolve using the response to comme C/ 163 SC 163.9.3 Brown, Matt H Comment Type T	tatus C ent #119. P 187 Huawei tatus A		RX RLCD	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 1200 Brown, Matt Comment Type T The editor's note in requires confirmat	's note. <i>Response Status</i> C 5.3.2 <i>P</i> 234 Huawei <i>Comment Status</i> A	L 32 ified for the module of the specified values	TP4 AC CM noise have been accepted.
SuggestedRemedy Provide a value or equation and update Response Response State ACCEPT IN PRINCIPLE. Resolve using the response to comme C/ 163 SC 163.9.3 Brown, Matt H Comment Type T Comment State In Table 163-8, the specified value for TBD T Comment State	tatus C ent #119. P 187 Huawei tatus A		RX RLCD	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 1200 Brown, Matt Comment Type T The editor's note in requires confirmat	's note. Response Status C 3.3.2 P 234 Huawei Comment Status A ndicates that the value spection. No proposals to change	L 32 ified for the module of the specified values	TP4 AC CM noise have been accepted.
SuggestedRemedy Provide a value or equation and update Response Response State ACCEPT IN PRINCIPLE. Resolve using the response to comme C/ 163 SC 163.9.3 Brown, Matt H Comment Type T Comment State In Table 163-8, the specified value for TBD T Comment State	tatus C ent #119. P 187 Huawei tatus A receiver differen		RX RLCD	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 120C Brown, Matt Comment Type T The editor's note in requires confirmat However, it should	's note. Response Status C 3.3.2 P 234 Huawei Comment Status A ndicates that the value spection. No proposals to change be noted that there is ongo	L 32 ified for the module of the specified values	TP4 AC CM noise have been accepted.
SuggestedRemedy Provide a value or equation and update Response Response State ACCEPT IN PRINCIPLE. Resolve using the response to comme Cl 163 SC 163.9.3 Brown, Matt H Comment Type T Comment State In Table 163-8, the specified value for TBD SuggestedRemedy Provide a value or equation and update Provide a value or equation and update	ent #119. P 187 Huawei <i>tatus</i> A receiver differen e PICS.		RX RLCD	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 120C Brown, Matt Comment Type T The editor's note in requires confirmat However, it should SuggestedRemedy	's note. Response Status C 3.3.2 P 234 Huawei Comment Status A ndicates that the value spection. No proposals to change be noted that there is ongo	L 32 ified for the module of the specified values ing discussion on this	TP4 AC CM noise have been accepted.
SuggestedRemedy Provide a value or equation and update Response Response State ACCEPT IN PRINCIPLE. Resolve using the response to comme C/ 163 SC 163.9.3 Brown, Matt H Comment Type T Comment Type T Comment Type T SuggestedRemedy Provide a value or equation and update	ent #119. P 187 Huawei tatus A receiver differen e PICS. fatus C		RX RLCD	SuggestedRemedy Remove the editor Response ACCEPT. Cl 120G SC 1200 Brown, Matt Comment Type T The editor's note in requires confirmat However, it should SuggestedRemedy Remove the editor	's note. Response Status C 3.3.2 P 234 Huawei Comment Status A ndicates that the value spection. No proposals to change be noted that there is ongo 's note. Response Status C	L 32 ified for the module of the specified values ing discussion on this	TP4 AC CM noise have been accepted.

	SC 162.9.4.1		P 158	L 23	# 46	C/ 162	SC	162.8.11		P 150	L 34	# 49
Brown, Matt			Huawei			Lusted, Ker	nt			Intel Corporati	on	
Comment Type	e T	Comment	Status A		rate tolerance (bucket1)	Comment 7	Туре	TR	Comment	t Status A		training (bucket1)
The list of	related subc	lauses should	d include 162.9.4	4.2.						lock provided		
uggestedRen	nedy											. It is unclear if a plitude, jitter, etc but
Change "1	62.9.4.3 and	162.9.4.4" to	o "162.9.4.2, 162	2.9.4.3, and 16	62.9.4.4".							of the first training
Response		Response	Status C			frames require			e malforme	d logically yet me	et the electrical	compliance
ACCEPT.						•						
				/	"	Suggested		•	provided t	hat there is a cor	nnliant signal co	ontaining valid training
	SC 136.8.11.	7.1	P 114	L 37	# 48			PMD inpu			npilant signal oc	
usted, Kent			Intel Corporati	ion		Response			Response	Status C		
Comment Type			Status A		training (bucket1)	ACCE	PT.		,			
		ng change pi g/3/ck/public/		ck 02 1020.p	df, a new variable							
"use_quiet	t_in_training"	was defined	in Clause 136.8	6.11.7.1. This	variable has an explicit	C/ 1	SC	1.3		P 32	L 14	# 50
•		•			c mention of the variable Ifusion in the industry as	Lusted, Ker				Intel Corporati	on	
		•	e_quiet_in_traini		2	Comment T	,,	E		t Status A		editorial (bucket1
implement	, while it was	s intended to b	be mandatory fo	or 100 Gb/s pe	r lane PHYs.					D MSA v4.2 was o-dd.com/wp-con), not August 10, 2020
SuggestedRen	nedy					DDrev4			ice mp.//sip			20/00/011
			e list as follows:			Suggested	Reme	dy				
n) the varia Gb/s per la		liet_in_training	J" (see 136.8.11	I.7.1) IS alway	s set to TRUE for 100			•	ust 17, 2020)		
Response		Response	Status C			Response			Response	Status C		
•	N PRINCIPL					ACCE	PT.		,			
Resolve us	sing the resp	onse to com	nent #53.									
						C/ 136		136.8.11.7	.1	P 114	L 39	# 53
						Slavick, Je			_	Broadcom		
						Comment		TR		t Status A		training (bucket1)
							es to av	void the de				ed PHYs will use this mandatory except for
						Suggested	Reme	dy				
										e_quiet_in_trainir r lane PHYs, oth		ead as "This variable is TRUE
						Response			Response	Status C		
								PRINCIPLE	=			
						Change	e the la	ast sentend	ce of the use	e_quiet_in_trainir r lane PHYs, oth		ead as "This variable is o TRUE."
						Change	e the la	ast sentend	ce of the use			

2021-02-03 9:50:27 PM

IEEE P802.3ck D1.4 100/200/400 G	Sb/s Electrical Interfaces Task Force 5th	Task Force review comments
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C/ 120	SC 120.5.7.2	P 102	L 30	# 55	C/ 162A SC	162A.3	P 253	L 29	# 58
Slavick, Jeff		Broadcom			Wu, Mau-Lin		MediaTek		
Comment Ty	/pe TR	Comment Status A		editorial (bucket1)	Comment Type	т	Comment Status A		editorial (bucket1)
In the ch copper f	0	t paragph it has removed the	requirement of	this paragraph for 50G		•	by TP5v in Clause 163.9.3.		
SuggestedR	emedv				SuggestedRemed		and an and the state of a state of		
00		R4 to the list in both the first	and second ser	ntences.	described in 1	163.9.3." sha	ed receiver characteristics Il be changed to "The recor		
Response		Response Status C			_		v are described in 163.9.3."		
ACCEP	Т.				Response ACCEPT.	I	Response Status C		
C/ 120	SC 120.5.7.2	P 102	L 44	# 56	C/ 162 SC	162.9.3.1.4	P 155	L 46	# 59
Slavick, Jeff		Broadcom			Wu, Mau-Lin	102.3.3.1.4	MediaTek	240	# 3 9
Comment Ty		Comment Status A		editorial (bucket1)	*	-	Comment Status A		
	nange to the fou oper PMDs.	irth paragph it has removed th	ne requirement	of this paragraph for	The step size	of TX EQ co	pefficient had been changed	d from 2% to 2.	<i>TX EQ (bucket1)</i> 5%. The "coefficient
SuggestedR	lemedy				•		d from 0.02 to 0.025.		
Add 200	GBASE-KR4/C	R4 to the list in the first sente	ence.		SuggestedRemed				
Response	-	Response Status C					o "increment" shall be betw all be between 0.005 and 0.		0.02,> to < to a
ACCEP	۱.				Response	I	Response Status C		
[Editor's	note: Changed	page from 103.]			ACCEPT.				
C/ 162A	SC 162A.2	P 253	L 24	# 57	C/ 162 SC	162.9.3.1.4	P 155	L 47	# 60
Wu, Mau-Lir	ו	MediaTek			Wu, Mau-Lin		MediaTek		
Comment Ty	/pe T	Comment Status A		editorial (bucket1)	Comment Type	т	Comment Status A		TX EQ (bucket1)
	•	d by TP0v in Clause 163.9.2.					pefficient had been changed d from -0.02 to -0.025.	d from 2% to 2.	5%. The "coefficient
SuggestedR		a da ditua a sector a la sua stanta d			SuggestedRemed	łv			
describe	ed in 163.9.2." s	nded transmitter characteristi hall be changed to "The reco TP0v are described in 163.9.	mmended trans		Change < t	o a request t	o "decrement" shall be bety all be between -0.025 and -		-0.005.> to < to a
		Response Status C			Response	,	Response Status C		
Response									

C/ 163 SC 163.9.2.3	P 187	L 16	# 66	C/ 120G	SC 12	20G.3.2	P 234	L 20	# 85
lealey, Adam	Broadcom Inc			Ghiasi, Ali			Ghiasi Quar	tum/Inphi	
Comment Type E Co	omment Status A		(bucket1)	Comment 7	Туре	т	Comment Status A		TP4 transition time
Subclause title is incorrect.				At TP4	it is no p	possible	o get 7.5 ps, please put s	omething reasona	able
SuggestedRemedy				Suggested	Remedy				
Change subclause title to "D	Difference steady-state v	oltage".					output rise time when pas		
	esponse Status C						80% rise time, given that i e reasonable rise time.	eal module may l	have less than min HCB
ACCEPT.				Response			Response Status C		
C/ 120G SC 120G.3.1	P 231	L 25	# 83			RINCIPLE			
Shiasi, Ali	Ghiasi Quantu	um/Inphi		[Editor	's note: s	subclause	, page, and line changed	from 120G.3.1, 2	31, and 25.]
Comment Type TR Co	omment Status A	•	TP1a transition time				a technical change to the		
At TP1a it is no possible to g	get 7.5 ps, please put so	omething reasor	nable				, there are proposals to ot the changes to the transition to the		ating to technical
SuggestedRemedy				compie				in anno.	
Suggesteurteineuv									
,	out rise time when passe	es through a ma	ted board with just 5 dB		01		ons were review by the tas		
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80%				https://	www.iee	e802.org	/3/ck/public/21_01/dudek_	3ck_01_0121.pd	
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80%				https:// https://	www.iee www.iee	e802.org e802.org	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_;	.3ck_01_0121.pd 21/ghiasi_3ck_ad	
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80%	6 rise time. I suggest 12			https:// https://	www.iee www.iee	e802.org e802.org	/3/ck/public/21_01/dudek_	.3ck_01_0121.pd 21/ghiasi_3ck_ad	
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE.	6 rise time. I suggest 12 esponse Status C	2 ps but no less	than 10 ps.	https:// https://	www.iee www.iee	e802.org e802.org odule outp	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_;	.3ck_01_0121.pd 21/ghiasi_3ck_ad	
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the	6 rise time. I suggest 12 esponse Status C echnical change to the d ere are proposals to othe	2 ps but no less Iraft that does n er comments rel	than 10 ps. ot address technical	https:// https:// Change	www.iee www.iee e the mo SC 16	e802.org e802.org odule outp	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_ put transition time (min) to	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps.	hoc_01_011321.pdf
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te	6 rise time. I suggest 12 esponse Status C echnical change to the d ere are proposals to othe	2 ps but no less Iraft that does n er comments rel	than 10 ps. ot address technical	https:// https:// Change C/ 162	www.iee www.iee e the mo SC 16	e802.org e802.org odule outp	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_ put transition time (min) to P 162	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps.	hoc_01_011321.pdf
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the	6 rise time. I suggest 12 esponse Status C echnical change to the d ere are proposals to othe hanges to the transition were review by the task	2 ps but no less Iraft that does n er comments rel time. force:	than 10 ps. ot address technical lating to technical	https:// https:// Change C/ 162 Haser, Alex Comment T "Cable	www.iee www.iee e the mo SC 16 x Type	e802.org e802.org dule outp 62.11 E ly suppor	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_ put transition time (min) to P 162 Molex	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps. <i>L</i> 36	hoc_01_011321.pdf # <u>91</u> <i>withdrawr</i>
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the completeness that include c The following presentations	6 rise time. I suggest 12 2 sponse Status C echnical change to the d ere are proposals to othe changes to the transition were review by the task k/public/21_01/dudek_3	2 ps but no less Iraft that does n er comments rel time. force: ck_01_0121.pd	than 10 ps. ot address technical lating to technical	https:// https:// Change C/ 162 Haser, Alex Comment T "Cable	www.iee www.iee c the mo SC 16 SC 16 x Type assemb I a 1.75 n	e802.org e802.org odule outp 62.11 E ly suppor n cable	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_ put transition time (min) to P 162 Molex Comment Status D	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps. <i>L</i> 36	hoc_01_011321.pdf # <u>91</u> <i>withdrawr</i>
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the completeness that include c The following presentations https://www.ieee802.org/3/cl	6 rise time. I suggest 12 2 sponse Status C 2 echnical change to the d 2 ere are proposals to othe 3 changes to the transition 3 were review by the task 4 k/public/21_01/dudek_3 4 k/public/adhoc/jan13_21	2 ps but no less Iraft that does n er comments rel time. force: ck_01_0121.pd	than 10 ps. ot address technical lating to technical	https:// https:// Change C/ 162 Haser, Alex Comment T "Cable around Suggested	www.iee www.iee SC 16 SC 16 assemb I a 1.75 n Remedy	e802.org e802.org dule outp 62.11 E ly suppor n cable	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_ put transition time (min) to P 162 Molex Comment Status D	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps. <i>L</i> 36 gth of at least 2 m	hoc_01_011321.pdf # <u>91</u> <i>withdrawr</i>
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the completeness that include c The following presentations https://www.ieee802.org/3/cl https://www.ieee802.org/3/cl	6 rise time. I suggest 12 2 sponse Status C echnical change to the de ere are proposals to othe shanges to the transition were review by the task k/public/21_01/dudek_3 k/public/adhoc/jan13_21 usition time to 10 ps.	2 ps but no less Iraft that does n er comments rel time. force: ck_01_0121.pd	than 10 ps. ot address technical lating to technical	https:// https:// Change C/ 162 Haser, Alex Comment T "Cable around Suggested	www.iee www.iee c the mo SC 16 x Type assemb a 1.75 n Remedy e text to	e802.org e802.org dule outp 62.11 E ly suppor n cable "achie"	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_ put transition time (min) to P 162 Molex Comment Status D ts achievable cable leng	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps. <i>L</i> 36 gth of at least 2 m	hoc_01_011321.pdf # <u>91</u> <i>withdraw.</i>
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the completeness that include c The following presentations https://www.ieee802.org/3/cl https://www.ieee802.org/3/cl Change the host output tran Straw poll #10 (pick one) an	6 rise time. I suggest 12 esponse Status C echnical change to the d ere are proposals to othe changes to the transition were review by the task k/public/21_01/dudek_3 k/public/adhoc/jan13_21 sition time to 10 ps. d #11 (chicago)	2 ps but no less lraft that does n er comments rei time. force: ck_01_0121.pd I/ghiasi_3ck_ad	than 10 ps. ot address technical lating to technical	https:// https:// Change C/ 162 Haser, Alex Comment T "Cable around Suggested Change Proposed F	www.iee www.iee c the mo SC 16 x Type assemb a 1.75 n Remedy e text to	e802.org e802.org dule outp 62.11 E ly suppoin n cable "achie" e	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_ /out transition time (min) to P 162 Molex Comment Status D ts achievable cable leng	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps. <i>L</i> 36 gth of at least 2 m	hoc_01_011321.pdf # [<u>91</u>
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the completeness that include c The following presentations https://www.ieee802.org/3/cl https://www.ieee802.org/3/cl Change the host output tran Straw poll #10 (pick one) an I support changing the value A: 7.5 ps (current value)	6 rise time. I suggest 12 esponse Status C echnical change to the d ere are proposals to othe changes to the transition were review by the task k/public/21_01/dudek_3 k/public/adhoc/jan13_21 sition time to 10 ps. d #11 (chicago)	2 ps but no less lraft that does n er comments rei time. force: ck_01_0121.pd I/ghiasi_3ck_ad	than 10 ps. ot address technical lating to technical	https:// https:// Change C/ 162 Haser, Alex Comment T "Cable around Suggested Change Proposed F PROPO	www.iee www.iee www.iee sC 16 s SC 16 s Type assemb a assemb a a a a a a a a a a a a a a a a a a a	e802.org e802.org dule outp 62.11 E ly suppor n cable "achie e EJECT.	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_ /out transition time (min) to P 162 Molex Comment Status D ts achievable cable leng	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps. <i>L</i> 36 gth of at least 2 m ast 1.75 m"	hoc_01_011321.pdf # <u>91</u> <i>withdraw.</i>
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the completeness that include c The following presentations https://www.ieee802.org/3/cl https://www.ieee802.org/3/cl Change the host output tran Straw poll #10 (pick one) an I support changing the value A: 7.5 ps (current value) B: 9.5 ps	6 rise time. I suggest 12 esponse Status C echnical change to the d ere are proposals to othe changes to the transition were review by the task k/public/21_01/dudek_3 k/public/adhoc/jan13_21 sition time to 10 ps. d #11 (chicago)	2 ps but no less lraft that does n er comments rei time. force: ck_01_0121.pd I/ghiasi_3ck_ad	than 10 ps. ot address technical lating to technical	https:// https:// Change C/ 162 Haser, Alex Comment T "Cable around Suggested Change Proposed F PROPO	www.iee www.iee www.iee sC 16 s SC 16 s Type assemb a assemb a a a a a a a a a a a a a a a a a a a	e802.org e802.org dule outp 62.11 E ly suppor n cable "achie e EJECT.	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_; out transition time (min) to P 162 Molex Comment Status D ts achievable cable leng /able cable length of at lea Response Status Z	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps. <i>L</i> 36 gth of at least 2 m ast 1.75 m"	hoc_01_011321.pdf # [<u>91</u>
A fast ASIC with 7.6 ps outp loss produces 12 ps 20-80% Response Re ACCEPT IN PRINCIPLE. This comment proposes a te completeness. However, the completeness that include c The following presentations https://www.ieee802.org/3/cl https://www.ieee802.org/3/cl Change the host output tran Straw poll #10 (pick one) an I support changing the value A: 7.5 ps (current value)	6 rise time. I suggest 12 esponse Status C echnical change to the d ere are proposals to othe changes to the transition were review by the task k/public/21_01/dudek_3 k/public/adhoc/jan13_21 sition time to 10 ps. d #11 (chicago)	2 ps but no less lraft that does n er comments rei time. force: ck_01_0121.pd I/ghiasi_3ck_ad	than 10 ps. ot address technical lating to technical	https:// https:// Change C/ 162 Haser, Alex Comment T "Cable around Suggested Change Proposed F PROPO	www.iee www.iee www.iee sc 16 sc Type assemb a assemb a assemb a assemb a assemb a assemb a assemb a secons cosed RI OSED RI	e802.org e802.org dule outp 62.11 E ly suppor n cable "achie e EJECT.	/3/ck/public/21_01/dudek_ /3/ck/public/adhoc/jan13_; out transition time (min) to P 162 Molex Comment Status D ts achievable cable leng /able cable length of at lea Response Status Z	3ck_01_0121.pd 21/ghiasi_3ck_ad 8.5 ps. <i>L</i> 36 gth of at least 2 m ast 1.75 m"	hoc_01_011321.pdf # <u>91</u> <i>withdrawr</i>

C/ 162 SC 162.11	P 162	L 38	# 92	C/ 162B SC 162B	1 P 259	L 20	# 96
laser, Alex	Molex			Haser, Alex	Molex		
Comment Type E	Comment Status D		withdrawn	Comment Type T	Comment Status D		MTF II
"Cable assembly sup around a 1.75 m cab	ports achievable cable lengt le	th of at least 2 m	"; spec is written	The reference MTF SuggestedRemedy	IL at 26.56 GHz is 6.66 dB		
SuggestedRemedy					6 dB to 6.7 dB to capture rou	ding correctly	
Change text to "ac	hievable cable length of at leas	st 1.75 m"		-		luing correctly	
Proposed Response PROPOSED REJEC	Response Status Z			Proposed Response REJECT.	Response Status Z		
	I. VITHDRAWN by the commenter	er.		This comment was	WITHDRAWN by the comme	nter.	
C/ 162 SC 162.11	P 162	L 40	# 93	C/ 162 SC 162.1	I.4 <i>P</i> 165	L 8	# 101
Haser, Alex	Molex			Champion, Bruce	TE Connec	tivity	
			and the stress of		Comment Ctature D		CA RLCI
"Cable assembly sup around a 1.75 m cab SuggestedRemedy			<i>withdrawn</i> "; spec is written	testing at the highe	Comment Status R f-to-Common Mode Return lo frequencies. Failures are oc ole assemblies. A slight relax	curing because of	high volume production f testing artifacts and not
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac	pports achievable cable lengt le hievable cable length of at leas <i>Response Status</i> Z			Cable Assembly Di testing at the highe because of poor ca for this. SuggestedRemedy	f-to-Common Mode Return lo frequencies. Failures are oc	curing because of ation of the limit is	high volume production f testing artifacts and not
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac Proposed Response PROPOSED REJEC	pports achievable cable lengt le hievable cable length of at leas <i>Response Status</i> Z	st 1.75 m"		Cable Assembly Di testing at the highe because of poor ca for this. SuggestedRemedy It is recommended Return Loss(f) ≥ 22	f-to-Common Mode Return lo frequencies. Failures are oc ole assemblies. A slight relax to use the following equation f -10(f/26.56) for $0.05 \le f < 26.5$	curing because of ation of the limit is or this limit:	high volume production f testing artifacts and not
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac Proposed Response PROPOSED REJEC This comment was W	pports achievable cable lengt le hievable cable length of at leas <i>Response Status</i> Z T. VITHDRAWN by the commente	st 1.75 m"		Cable Assembly Di testing at the highe because of poor ca for this. SuggestedRemedy It is recommended Return Loss(f) ≥ 22	f-to-Common Mode Return lo frequencies. Failures are oc ole assemblies. A slight relax to use the following equation f	curing because of ation of the limit is or this limit:	high volume production testing artifacts and not
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac Proposed Response PROPOSED REJEC This comment was W	pports achievable cable lengt le hievable cable length of at leas <i>Response Status</i> Z T. VITHDRAWN by the commente	st 1.75 m" er.	ı"; spec is written	Cable Assembly Di testing at the highe because of poor ca for this. SuggestedRemedy It is recommended Return Loss(f) ≥ 22 Return Loss(f) ≥ 19	f-to-Common Mode Return lo frequencies. Failures are oc ole assemblies. A slight relax to use the following equation f -10(f/26.56) for $0.05 \le f < 26.5$	curing because of ation of the limit is or this limit:	high volume production f testing artifacts and not
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac Proposed Response PROPOSED REJEC This comment was W C/ 162 SC 162.11. Haser, Alex	pports achievable cable lengt le hievable cable length of at leas <i>Response Status</i> Z T. VITHDRAWN by the comment 7.2 <i>P</i> 171	st 1.75 m" er.	ı"; spec is written	Cable Assembly Di testing at the highe because of poor ca for this. SuggestedRemedy It is recommended Return Loss(f) ≥ 22 Return Loss(f) ≥ 19 See presentation	f-to-Common Mode Return lo frequencies. Failures are oc ole assemblies. A slight relax to use the following equation f -10(f/26.56) for $0.05 \le f < 26.5$ - 7(f/26.56) for $26.56 \le f \le 40$	curing because of ation of the limit is or this limit:	high volume production testing artifacts and not
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac Proposed Response PROPOSED REJEC This comment was W C/ 162 SC 162.11. Haser, Alex Comment Type E "The crosstalk paths	pports achievable cable lengt hievable cable length of at leas <i>Response Status</i> Z T. VITHDRAWN by the comment 7.2 <i>P</i> 171 Molex	st 1.75 m" er. <i>L</i> 1 Table"; the ta	"; spec is written # 95 COM XTALK (bucket1)	Cable Assembly Di testing at the highe because of poor ca for this. SuggestedRemedy It is recommended Return Loss(f) ≥ 22 Return Loss(f) ≥ 19 See presentation Response REJECT. This comment prop	f-to-Common Mode Return lo frequencies. Failures are oc ole assemblies. A slight relax to use the following equation f -10(f/26.56) for $0.05 \le f < 26.5$ - 7(f/26.56) for $26.56 \le f \le 40$	curing because of ation of the limit is or this limit: 6 GHz	high volume production f testing artifacts and not s requested to account
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac Proposed Response PROPOSED REJEC This comment was V C/ 162 SC 162.11. Haser, Alex Comment Type E "The crosstalk paths number of crosstalk p	poports achievable cable lengt le hievable cable length of at leas <i>Response Status</i> Z T. VITHDRAWN by the comment 7.2 <i>P</i> 171 Molex <i>Comment Status</i> A for each MDI type are given in	st 1.75 m" er. <i>L</i> 1 Table"; the ta	"; spec is written # 95 COM XTALK (bucket1)	Cable Assembly Di testing at the higher because of poor ca for this. SuggestedRemedy It is recommended Return Loss(f) ≥ 22 Return Loss(f) ≥ 19 See presentation Response REJECT.	f-to-Common Mode Return lo frequencies. Failures are oc ole assemblies. A slight relax to use the following equation f -10(f/26.56) for $0.05 \le f < 26.5$ - 7(f/26.56) for $26.56 \le f \le 40$ <i>Response Status</i> C	curing because of ation of the limit is or this limit: 6 GHz	high volume production f testing artifacts and not s requested to account
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac Proposed Response PROPOSED REJEC This comment was V Cl 162 SC 162.11. Haser, Alex Comment Type E "The crosstalk paths number of crosstalk p	poports achievable cable lengt le hievable cable length of at leas <i>Response Status</i> Z T. VITHDRAWN by the comment 7.2 <i>P</i> 171 Molex <i>Comment Status</i> A for each MDI type are given in	st 1.75 m" er. <i>L</i> 1 Table"; the ta	"; spec is written # 95 COM XTALK (bucket1)	Cable Assembly Di testing at the highe because of poor ca for this. SuggestedRemedy It is recommended Return Loss(f) ≥ 22 Return Loss(f) ≥ 19 See presentation Response REJECT. This comment prop completeness.	f-to-Common Mode Return Io frequencies. Failures are oc ole assemblies. A slight relax to use the following equation f -10(f/26.56) for 0.05 ≤ f < 26.5 - 7(f/26.56) for 26.56≤ f ≤ 40 <i>Response Status</i> C oses a technical change to the ntation was reviewed by the ta	curing because of ation of the limit is or this limit: 66 GHz e draft that does n ask force:	high volume production testing artifacts and not s requested to account
"Cable assembly sup around a 1.75 m cab SuggestedRemedy Change text to "ac Proposed Response PROPOSED REJEC This comment was V CI 162 SC 162.11. Haser, Alex Comment Type E "The crosstalk paths number of crosstalk p	ports achievable cable lengt hievable cable length of at leas <i>Response Status</i> Z T. VITHDRAWN by the comment 7.2 <i>P</i> 171 Molex <i>Comment Status</i> A for each MDI type are given in paths, not the paths themselve	st 1.75 m" er. <i>L</i> 1 Table"; the ta	"; spec is written # 95 COM XTALK (bucket1)	Cable Assembly Di testing at the highe because of poor ca for this. SuggestedRemedy It is recommended Return Loss(f) ≥ 22 Return Loss(f) ≥ 19 See presentation Response REJECT. This comment prop completeness.	f-to-Common Mode Return lo frequencies. Failures are oc ole assemblies. A slight relax to use the following equation f $-10(f/26.56)$ for $0.05 \le f < 26.5$ $-7(f/26.56)$ for $26.56 \le f \le 40$ <i>Response Status</i> C osses a technical change to the	curing because of ation of the limit is or this limit: 66 GHz e draft that does n ask force:	high volume production testing artifacts and not s requested to account

C/ 162	SC 162.11.6	P 166	L 37	# 102	C/ 162	SC 162.11	P 163	L 18	# 103
Champio	n, Bruce	TE Connectiv	vity		Champion	, Bruce	TE Connectiv	vity	
Comment There asser The N used limit. Suggeste It is n desig	t Type T e is a disrepancy b mbly CM-to-CM RI MTF CM-to-CM RI in cable assembly edRemedy recommended to u	Comment Status A between what is specifed for L. limit is set to -3 dB. When Tp1-Tp4 channels, the Tp1 se the following equation to	the MTF CM-to- MTFs designed I-Tp4 CM-to-CM	close to this limit are RL will fail the -2 dB	Comment Cable Suggested TBD to Response ACCE The ta https:/	<i>Type</i> T Assembly ERL I <i>Remedy</i> b be changed to PT IN PRINCIPI sk force reviewe /www.ieee802.or	Comment Status A isted as TBD in Table 162-16 7.4 dB. See champion_3ck_ <i>Response Status</i> C _E. ed the following presentation: rg/3/ck/public/21_01/champio	02_1020.pdf 02_1020.pdf 0n_3ck_03_0121.pdf	CA ERL
Response ACCI The f https:	e EPT IN PRINCIPL following presentat	Response Status C E. tion was reviewed by the tas g/3/ck/public/21_01/champic		21.pdf	Comm Set the Straw I supp A: 7.4 B: 8.0 C: 8.5 D: 9 d A: 15 J	enters agreed to e value of cable Poll #5 ort the following dB dB dB	I no clear consensus on a val o settle on middle value of 8.2 assembly ERL to 8.25 dB. value for the cable assembly	25 dB as compromise	

C/ 162B SC 162B.1.3.2 P 262	L 43	# 112	C/ 162	SC 162.9.3	P 152	L 30	# 118
Kocsis, Sam Amphenol			Ran, Adee		Intel		
Comment Type TR Comment Status A		MTF ERL	Comment Typ	e TR	Comment Status A		TX RLCD
MTF ERL requirement is TBD (also in PICS TF2)			(addressi				
SuggestedRemedy			Tx CM to	differential re	turn loss refers to 92.8.3.3 w	ith equation TBL).
Replace TBD with 10dB					of Tx and Rx have the same		
Response Response Status C			and eq (9 cable ass	,	.4.3, respectively, which are i	identical; and the	ere is no RLCD for
ACCEPT IN PRINCIPLE.				,			
Adopt the value of 10.3 dB using the and the ERL p presentation: https://www.ieee802.org/3/ck/public/21_01/diminico		C	completer since in b	ness, it is sug oth cases the	pecifications may need more gested to use the same equate measurement involves mate	ation used for the	e cable assembly,
Implement with editorial license.	_00K_01a_0121	.pui	comparab				
			SuggestedRe	2			
Straw poll #4 I support using the following value for the MTF ERL.					differential to common mode ont to (162–9).	e return loss, wit	h equation identical to
A: 9 dB B: 10.3 dB			Response		Response Status C		
A: 6 B: 26			ACCEPT	IN PRINCIPI	.E.		
Choose one.			Add a sub	clause for T	common-mode to differentia	al return loss wit	h equation identical to
C/ 162B SC 162B.1.3.3 P 263	L 34	# 114	equation			a retain 1000, wit	
Cocsis, Sam Amphenol			Implemer	t with editoria	al license.		
Comment Type TR Comment Status A		MTF RL mask	•				
Recommended MTF RL mask does not provide use	ful information	o the reader					
SuggestedRemedy							
Remove the mask from the spec							
Response Response Status C							
ACCEPT IN PRINCIPLE.							

C/ 162	SC 162.9.4	P 158	L 16	# 119
Ran, Adee		Intel		
Comment Tv	vpe TR	Comment Status A		RX RLCD

Comment Type TR Comment Status A

(addressing TBD)

Rx differential to common-mode (conversion) input return loss refers to 92.8.4.3 with value TBD.

In clause 92 the RLCD of Tx and Rx have the same specifications - eq (92–2) in 92.8.3.3 and eq (92–21) in 92.8.4.3, respectively, which are identical; and there is no RLCD for cable assembly.

The conversion loss specifications may need more work, but for the purpose of technical completeness, it is suggested to use the same equation used for the cable assembly, since in both cases the measurement involves mated connectors and results should be comparable.

As an alternative consider removing this specification (the Rx owns its performance).

SuggestedRemedy

Add a subclause for Rx differential to common mode return loss, with equation identical to equation (162–9), or point to (162–9).

Response

Response Status C

ACCEPT IN PRINCIPLE. Implement the suggested remedy with editorial license. Also, add "(min)" to the end of the parameter name.

C/ 163	SC 163.9.3	P 187	7 L	. 41 #	121
Ran, Adee		Intel			
Comment Ty	pe TR	Comment Status	A		RX RLCD

(addressing TBD)

Rx Differential to common-mode (conversion) input return loss refers to 93.8.1.4 with value TBD. This subclause uses equation (93-5) to define the limit.

The conversion loss specifications may need more work, but for the purpose of technical completeness, it is suggested to use a piecewise-linear equation similar to (93-5). Boundary lines are suggested to match the ones used in OIF CEI-112G-LR for the 53.125 GHz signaling frequency.

As an alternative consider removing this specification (the Rx owns its performance).

SuggestedRemedy

Add a new subclause for Rx differential to common mode return loss with the equation:

Response Status C

RLdc(f) $\ge 25-20^{\circ}$ (f/fb) for 0.05 \le f \le fb/2 RLdc(f) ≥ 15 for fb/2 < f ≤ 40 where f is the frequency in GHz and fb=53.125.

Response

ACCEPT IN PRINCIPLE. Add a new subclause for RLCD RLcd(f) = $25-20^{\circ}$ (f/fb) for $0.05 \le f \le fb/2$ RLcd(f) = 15 for $fb/2 \le f \le 40$ where f is the frequency in GHz and fb=53.125. Update PICS Implement with editorial license.

C/ 163	SC 163.10.4	P1	92	L 44	# 122	C/ 163	SC	163.9.2	P 185	L 28	# 133
Ran, Adee		Intel				Ran, Adee			Intel		
Comment 1	Type TR	Comment Status	Α		channel ILDC	Comment	Туре	Е	Comment Status D		withdraw
For the TP5" is	STBD.	channel "differential to				referen referrin	nce is r ng to th	not approp le frequen	that "In Table 163–5, comm riate". But it is appropriate; c cy range of the test fixture's s e (the problem is in the respo	omment #228 a specification and	gainst D1.3 was
		parameter is specified ential to common-mod				Suggested	Remed	dy			
		uation (162-10).		51011 1055 and ti	le cable assembly	Delete	the ed	litor's note	, without any change to the t	able.	
	• •	hnical completeness,	a similar	equation can b	e used for KR.		, OSED	REJECT.	Response Status Z		
Suggested	-	based on 160 11 E	oubotituti	na "TDO to TDE	abannal" far "aabla	This co	ommer	nt was WIT	HDRAWN by the commenter	er.	
	bly" with editori	e based on 162.11.5, s al license.	substituti	ng TPU to TPo	channel for cable	C/ 163	SC	163.10.1	P 190	L 26	# 137
Response		Response Status	С			Ran, Adee			Intel		
ACCEF	PT IN PRINCIP	LE.				Comment	Туре	Е	Comment Status A		editorial (bucket1
		d ILCD based on 162. Ilement with editorial I		ostituting "TP0 t	o TP5 channel" for				"Channel Operating margin" and ERL requirements.	so it should onl	y discuss COM, not
C/ 120G	SC 120G.3.	2 P 2	34	L 30	# 126	Therea	are ad	ditional red	quirements not listed here (e.	g. mode convei	sion loss, 163.10.4)
	30 1203.3.		54	L 30	# 120	Suggested	Remed	dy			
Ran, Adee <i>Comment 1</i>	Type ER	Intel Comment Status	Α		TP4 AC CM noise	Move t subcla			raph (which points to 163.10	.2 and 163.10.3	b) to the parent
		ote requiring confirma		fication needs o	confirmation It has not	Consid	ler add	ling a sum	mary table in 163.10 as in th	e Tx and Rx cha	aracteristics.
Editor's note indicates that AC common-mode specification needs confirmation. It has not been confirmed that the existing limit of 17.5 mV RMS is obtainable, but there is no					Response Response Status C						
consen	nsus on anothe	value.				•	PT IN P	PRINCIPL	,		
of com		ine the measurement al and fine-tuned spe			tion of different sources continue into later	Move t subclar Adding	he sec use 16 i a sum	ond parag 3.10. Impl	raph (which points to 163.10 ement with editorial license. e may be an improvement to		, ,
This sh	nould not preclu	de progressing to WG	GB with th	ne current meth	od and limit.						
Suggestedl	Remedy										
	the editor's not	_									

Response

ACCEPT.

SORT ORDER: Comment ID

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

Response Status C

C/ 120G	SC 120G.3.3	P 237	L 37	# 138	C/ 163	SC	163.10	P 190	L 28	# 139
Ran, Adee		Intel			Ran, Adee			Intel		
Comment T	ype T	Comment Status A		TP4a/TPRLC	Comment	Туре	т	Comment Status A		channel RLCD (CC)
module differen There is output.	input (120G.3. tial return loss s one subclause	0G.3.2, table 120G-3), host ii 4, table 120G-9), the referen (min)" is incorrect - 120G.3.1 e that discusses RLCD, 1200	ce subclause for .2 discusses ER	"Common-mode to L.	Withou that wi or com	it such II be fe imon r	n specificat ed into the node signa	n for RLDC for the KR chanr ion, a channel can cause a s Tx - and since Tx RLCD/RLC al can be reflected back witho ecifications may need more	strong common CC are not defir out control.	ned either, a differential
SuggestedF Change	-	n 120G.3.1.2 to 120G.3.1.1 ir	n the 3 tables.					nnel RLDC from 162.11.4 ca		
Pophra	so the text in 1	20G.3.1.1 to refer to both hos	t and module of	utput and input	Also in	missi	ng 120F.			
				utput and input.	Suggestea	Reme	dy			
The refe		Response Status C E. .3.1.2 is incorrect and should nmon to refer to specificatior			162.11	.4 with		or channel differential to com limits, with editorial license.	imon mode retu	ırn loss, based on
Howeve mode (I	er the specificat RLCD).	e referenced subclause. ion for module input and hos 20G.3.1.1 should be RLDC, n		differential to common	Response ACCE	PT.	e: CC 163,	Response Status C		
For con 120G.3		differential return loss in Tab	le 120G-3, chanç	ge the reference to	C/ 162		162.9.3.3	P 156	L 31	# 142
					Dawe, Pier			Nvidia		
In 120G	6.3.1.1, change	RLCD to RLDC.			Comment		T	Comment Status A		TX SNDR (bucket1,
		dule input change the param	eter to differentia	al to common-mode				measurement uses the meth	iod described ir	1
return lo	oss and specify	based on 120G.3.1.1.			Suggestea		-		mathead (af I de	
Implem	ent with editoria	al license.				niller	SINDR IS GE	efined by the [measurement]		
					Chang "The tr except To: "The tr	e: ansmi ion tha ansmi	at the lineat the SNDR	Response Status C E. measurement uses the met r fit procedure in 162.9.3.1.1 is defined by the the measu the linear fit procedure in 162	is used." rement method	described in 120D.3.1.6

C/ 120G	SC 120G.5.2	2 P 246	L 23	# 154
Dawe, Piers		Nvidia		
Comment Ty	ype TR	Comment Status R		EO method
mask) a measuri This will	Ithough it is de	awe_3ck_01a_1020, this draft escribed as a histogram. It's a id provides weak and uncertai ve relax the VEC limits, and is udek's work).	an inefficient/ina	ccurate way of inst too much jitter.
SuggestedR	Remedy			
	d mask with co	ered mask with corners at t = orners at t = ts+/-0.05, ts+/-0.0		
VEC. T	here will be di	Hmin, already specified, is the scussion about changing thos nethod that can remain as the	e limits from oth	er comments, but this
Response		Response Status C		
REJEC ⁻ This cor complet	nment propos	es a technical change to the o	draft that does no	ot address technical
		ation was reviewed by the tash org/3/ck/public/21_01/dawe_3		
		e following presentation was re prg/3/ck/public/21_01/brown_3		
	rently methodo omment.	blogy was chosen over an eye	e mask method li	ike that being proposed
The con	nment does no	ot provide sufficient evidence	to support the pr	oposed changes.
	as no concens			