C/ 119 SC 119.2.6. _apierre, Dominic	2.2 P 108 EXFO Inc.	L 43	# 1	C/ 119A SC 119A Trowbridge, Steve	Р 222 Nokia	L 29	# 4
Comment Type E Typo	Comment Status D			Comment Type TR	Comment Status D bit-wise reversed (MSB to L	SB) as compare	d to Annex 91A (LSB to
SuggestedRemedy				-)			
	iable this is set to true"			SuggestedRemedy Replace the parity in Ta	abla 110A 1 with		
to "Boolean variable t Proposed Response	Response Status O			"9e26b96f1329799e385 ". Replace the parity in	500ca61583a6b4d7d4b8f652		
C/ 119A SC 119A Trowbridge, Steve	<i>Р</i> 221 Nokia	L 29	# 2	Proposed Response	Response Status O		
Comment Type T	Comment Status D			C/ 116 SC 116.4	P 71	L 14	# 5
Since there are more	steps in the process to creatin	g the FEC code	words than in Annex	Trowbridge, Steve	Nokia		
91A, suggest showing blocks	an intermediate step rather th	nan just jumping	to the final encoded	Comment Type TR	Comment Status D		
					nbers for the PAM should be		
SuggestedRemedy Add a table in the forr CWA and CWB Proposed Response	nat of Table 91-3 showing the <i>Response Status</i> O	forty 257B block	s before distribution to	SuggestedRemedy	delay in ns is the same with 4 ne PMA row in Table 116-3 b <i>Response Status</i> O		
Add a table in the forr CWA and CWB	C C	forty 257B block	s before distribution to	SuggestedRemedy Make the numbers in th Proposed Response	ne PMA row in Table 116-3 b		
Add a table in the forr CWA and CWB Proposed Response	Response Status O			SuggestedRemedy Make the numbers in th Proposed Response Cl 120 SC 120.1.4	ne PMA row in Table 116-3 b Response Status 0 P 125		
Add a table in the forr CWA and CWB Proposed Response Cl 119A SC 119A Frowbridge, Steve	Response Status O			SuggestedRemedy Make the numbers in th Proposed Response Cl 120 SC 120.1.4 Trowbridge, Steve	ne PMA row in Table 116-3 b Response Status O P 125 Nokia	black	x the pause quanta
Add a table in the forr CWA and CWB Proposed Response Cl 119A SC 119A Trowbridge, Steve Comment Type ER	Response Status O P 222 Nokia	L 29	# 3	SuggestedRemedy Make the numbers in th Proposed Response Cl 120 SC 120.1.4 Trowbridge, Steve Comment Type TR	ne PMA row in Table 116-3 b Response Status 0 P 125	black L 29	x the pause quanta
Add a table in the forr CWA and CWB Proposed Response Cl 119A SC 119A Trowbridge, Steve Comment Type ER Add an indication whe	Response Status O P 222 Nokia Comment Status D	L 29	# 3	SuggestedRemedy Make the numbers in th Proposed Response Cl 120 SC 120.1.4 Trowbridge, Steve Comment Type TR	ne PMA row in Table 116-3 b Response Status O P 125 Nokia Comment Status D	black L 29	x the pause quanta # [6
Add a table in the forr CWA and CWB Proposed Response Cl 119A SC 119A Trowbridge, Steve Comment Type ER Add an indication whe 119A-1 and 119A-2 SuggestedRemedy Indicate the boundary	Response Status O P 222 Nokia Comment Status D ere the data leaves off and the between data and parity in the ne after the first 5 hexadecimal	L 29 parity begins in e final row of the	# 3the final row of Tables two tables. Could	SuggestedRemedy Make the numbers in th Proposed Response Cl 120 SC 120.1.4 Trowbridge, Steve Comment Type TR Per the CDXS presenta SuggestedRemedy Remove the editor's no available as 1, 8, 9, and paragraph to indicate th	ne PMA row in Table 116-3 to Response Status O P 125 Nokia Comment Status D ation, four MMD instances ar ote. In the following paragraph d 10 and make it black. Upda nat separated PMAs may be	e needed for the h, list the MMD c ate the 3rd sente separated not o	# 6 # PMA. device numbers ence of the following nly by CDAUI but by
Add a table in the forr CWA and CWB Proposed Response Cl 119A SC 119A Frowbridge, Steve Comment Type ER Add an indication whe 119A-1 and 119A-2 SuggestedRemedy Indicate the boundary either add a vertical lin	Response Status O P 222 Nokia Comment Status D ere the data leaves off and the between data and parity in the ne after the first 5 hexadecimal	L 29 parity begins in e final row of the	# 3the final row of Tables two tables. Could	SuggestedRemedy Make the numbers in the Proposed Response Cl 120 SC 120.1.4 Trowbridge, Steve Comment Type TR Per the CDXS presenta SuggestedRemedy Remove the editor's no available as 1, 8, 9, and paragraph to indicate the CDXS. Make the word ' example that does use according to the standa	P 125 Response Status O P 125 Nokia Comment Status D ation, four MMD instances ar te. In the following paragraph d 10 and make it black. Upda hat separated PMAs may be "three" in the final sentence three PMA sublayers which ard. Item (f) at the end of the use 120.6, two occurrences,	L 29 e needed for the h, list the MMD c ate the 3rd sente separated not o black, since this is less than the t clause, change	# 6 # PMA. PMA. device numbers ence of the following nly by CDAUI but by is just a specific four maximum possible "three" to "four" and

C/ 120 SC 120.2 P 128 L 41 # 7 Trowbridge, Steve Nokia Nokia	C/ 120 SC 120.7.3 P 147 L 12 # 10 Trowbridge, Steve Nokia
Comment Type ER Comment Status D Make CDXS black in Figure 120-5 now that this is defined. SuggestedRemedy Make CDXS black in Figure 120-5 now that this is defined. Also in 2nd paragraph of	Comment Type TR Comment Status D There is no possibility for 4 lanes upstream from a 400GBASE-R PMA. The signaling rate is always the same for 200G and 400G in the usptream direction, either one or two bits per symbol.
120.5.10	SuggestedRemedy
Proposed Response Response Status O	Change Value/Comment field for RX_CLOCK to 26.5625 GBd Proposed Response Response Status O
C/ 120 SC 120.5.4 P 134 L 21 # 8 Trowbridge, Steve Nokia Nokia	C/ 118 SC 118.1 P 84 L 50 # 11 Trowbridge, Steve Nokia
Comment Type TR Comment Status D Make the delay numbers black in Table 120-1: this is the same ns as the delay for P802.3ba with 4x the bits and pause quanta D	Comment Type TR Comment Status D Add management registers for CDXS
SuggestedRemedy Make the delay numbers black in Table 120-1 Proposed Response Response Status O	SuggestedRemedy Add the corresponding registers and bit numbers to MMD 4 and MMD 5 as currently exist for MMD 3 for the clause 119 PCS to allow CDXS to have the same functions as a clause 119 PCS
C/ 120 SC 120.5.11.2 P 138 L 26 # 9	Proposed Response Response Status O
Trowbridge, Steve Nokia Comment Type TR Comment Status D No motivation has emerged to make any of the PAM4 test patterns mandatory SuggestedRemedy Remove the editor's note. Make the words "may optionally" black in the first sentences of clauses 120.5.11.2.1, 120.5.11.2.2, and 120.5.11.2.3 Proposed Response Response Status O	Cl 123 SC 123.8.5 P 203 L 20 # 12 King, Jonathan Finisar Comment Type TR Comment Status D TDP and SRS are TBD Include TDECQ in clause 123, a transmitter quality metric, and SECQ, a metric for the SRS test source, by making the changes described in king_3bs_01_0516.pdf. The suggested changes affect 123.8.5, 123.8.10 and other sub sections where TDP or SRS is mentioned. SuggestedRemedy
	Proposed Response Response Status O

C/ 118 SC 118.2 P 88 L 1 # 13	
C/ 118 SC 118.2 P 88 L 1 # 1 <u>3</u>	C/ 119 SC 119.2.4.4 P 96 L 15 # 16
Gustlin, Mark Xilinx	Dillard, John Microsemi
Comment Type T Comment Status D There are no PICS populated in clause 118.	Comment Type T Comment Status D The manner with which free-running prbs9 is used as pad in the alignment markers makes the description seem overly complex. Is it possible that similar performance characteristic
SuggestedRemedy Add the PICS as described in gustlin_3bs_02_0516.	(e.g. baseline wander) can be had by selecting a portion of a prbs9 (or similar) sequence and fixing the values of the pad bits to that?
Proposed Response Response Status O	SuggestedRemedy
	Select a portion of a prbs9 sequence and use it as fixed values in alignment markers
C/ 119 SC 119.1 P 91 L 1 # 14 Dfelt, David Juniper Networks	Proposed Response Response Status O
Comment Type TR Comment Status D	C/ 119A SC P 222 L 29 # 17
Having a PreFEC SER monitoring and signaling mechanism would be a fabulous additon to 802.3bs!	Dillard, John Microsemi
SuggestedRemedy	Comment Type TR Comment Status D
Details to be provided in presentation at May meeting (ofelt_3bs_01_0516.pdf)	The parity in tables 119a-1 and 119a-2 is incorrect. Also, it has been suggested to add the scrambled payload before distributing to fec messages.
Proposed Response Response Status O	SuggestedRemedy
	Correct the parity and add table showing tx_scrambled_am.
Dillard, John Microsemi	Correct the parity and add table showing tx_scrambled_am. I will povide an update with both. Proposed Response Response Status O
villard, John Microsemi	I will povide an update with both.
illard, John Microsemi comment Type E Comment Status D Reference to annex 91A should be annex 119a	I will povide an update with both. Proposed Response Response Status O
illard, John Microsemi <i>Comment Type</i> E <i>Comment Status</i> D Reference to annex 91A should be annex 119a <i>PuggestedRemedy</i>	I will povide an update with both. Proposed Response Response Status C/ 120D SC 120D.4 P 249 L 10 # 18
Dillard, John Microsemi Comment Type E Comment Status D Reference to annex 91A should be annex 119a SuggestedRemedy change reference to annex 119a	I will povide an update with both. Proposed Response Response Status O Cl 120D SC 120D.4 P 249 L 10 # 18 Hidaka, Yasuo Fujitsu Laboratories of
Villard, John Microsemi Comment Type E Comment Status D Reference to annex 91A should be annex 119a SuggestedRemedy change reference to annex 119a	I will povide an update with both. Proposed Response Response Status C/ 120D SC 120D.4 P 249 L 10 # 18 Hidaka, Yasuo Fujitsu Laboratories of Comment Type TR Comment Status D
Villard, John Microsemi Comment Type E Comment Status D Reference to annex 91A should be annex 119a SuggestedRemedy change reference to annex 119a	I will povide an update with both. Proposed Response Response Status Cl 120D SC 120D.4 P 249 L 10 # 18 Hidaka, Yasuo Fujitsu Laboratories of Image: Comment Type TR Comment Status D The device capacitance C_d of 0.28pF causes too much reflection in COM model. Just a lump capacitor is too simple and does not represent actual device characteristics with T-Coil (Termination Coil) which is commonly used in many actual devices at this high
Villard, John Microsemi Comment Type E Comment Status D Reference to annex 91A should be annex 119a SuggestedRemedy change reference to annex 119a	I will povide an update with both. Proposed Response Response Status O Cl 120D SC 120D.4 P 249 L 10 # 18 Hidaka, Yasuo Fujitsu Laboratories of Image: Comment Type TR Comment Status D The device capacitance C_d of 0.28pF causes too much reflection in COM model. Just a lump capacitor is too simple and does not represent actual device characteristics with T-Coil (Termination Coil) which is commonly used in many actual devices at this high data rate.
Dillard, John Microsemi Comment Type E Comment Status D Reference to annex 91A should be annex 119a SuggestedRemedy change reference to annex 119a	I will povide an update with both. Proposed Response Response Status Cl 120D SC 120D.4 P 249 L 10 # 18 Hidaka, Yasuo Fujitsu Laboratories of Fujitsu Laboratories of Comment Type TR Comment Status D The device capacitance C_d of 0.28pF causes too much reflection in COM model. Just a lump capacitor is too simple and does not represent actual device characteristics with T-Coil (Termination Coil) which is commonly used in many actual devices at this high data rate. SuggestedRemedy

C/ 120D SC 120D	.3.1.1.2	P 246	L 3	# <u>1</u> 9	C/ 120E	SC 120E.3.	2.1	P 262	L 23	# <u>2</u> 1
Dudek, Mike		QLogic			Dudek, Mike	e		QLogic		
Comment Type T	Comme	ent Status D			Comment 7	ype T	Comme	ent Status D		
is defined as a fund different signal leve	tion of the mea Is), but on line ern (N is not 4	an signal level for 36 it says that the here). Section 12	each PAM4 sym ere are N PAM4 20D.3.1.1.2 can l		end or f specific	ar end and co ations in that s here is unne	nflict with the able is alread		20E-3. The requ	hether they are near uirement to meet the so repeating the
SuggestedRemedy Where the PAM4 s	ymbol means (0,1,2 or 3 replace	"PAM4 symbol"	with "PAM4 symbol	Delete	he first sente		aragraph. Also Ch r end eye heights		ΓM9, TM10 adding ncluded.
level" in sections 12 line 3,replace "PAM line 4 replace "PAM	14 symbol" with 14 symbols" wi	n "PAM4 symbol le th "PAM4 symbol	evel levels		Proposed R	lesponse	Respons	se Status O		
sentence.	IVI4 SYMDOI WI	In PAIN4 Symbol	level, and add 1	evel" to the end of the	C/ 120E	SC 120E.3.	2.1.1	P 262	L 38	# 22
Proposed Response	Respons	se Status O			Dudek, Mike	9		QLogic		
					Comment T	уре Т	Comme	ent Status D		
7 120E SC 120E	1	P 254	L 37	# 20				83E.3.2.1.1 doesr E-2 for values.	n't have the low f	requency poles so you
udek, Mike		QLogic			Suggested	Remedy				
omment Type T		ent Status D			Replace	e 83E.3.2.1.1	with 120E.3.	6.1		
Figure 120E-1 is ar unlikely application more likely example	as it involves a			-SR16 link. This is an d be better to use a	eye hei	ght evaluation	" to "Referer	nce receiver for ey	e width and eye	utput eye width and height evaluation"
SuggestedRemedy Change 400GBASI	E-SR16 to 400	GBASE-FR8.				on of the stre			as well as "host	" as this is used for
Proposed Response		se Status O			delete h	lost on line 33				
					Proposed R	esponse	Respons	se Status O		
					C/ 120E	SC 120E.3.	2.1.1	P 262	L 46	# 23
					Dudek, Mike	9		QLogic		
					<i>Comment T</i> The los			ent Status D t be approx 7.5dB	at Nyquist/2	
					Suggested Replace	2	vith "Nyquist	" or "Symbol rate/	2" or "13.28GHz	1
					D		-			

Proposed Response Response Status **0**

	2.1.1 <i>P</i> 262	L 45	# 24	C/ 120E SC 120E.3.3.3	P 265	L 46	# 27
Dudek, Mike	QLogic			Dudek, Mike	QLogic		
Comment Type T	Comment Status D			Comment Type TR	Comment Status D		
signal at the ball of the the module output is b	t (assuming the far end eye is e host IC.) as this loss is the c being measured at the output of n un-necessary complication a	omplete loss of t	the host channel and population board.	doesn't say whether the the adjustments should b worst case, or whether tw	parameters should match the eye parameters are far end be to make the far end eye wo tests are required. I thir end module specification is	or near end, no worst case or th k that it should l	r does it say whether e near end eye the be sufficient to do just
SuggestedRemedy				SuggestedRemedy			
0.1dB for the difference	B. (6.4dB is the 7.5dB host loce between the loss of the MC			Replace the values (and specifications from table	parameters) in table 120E 120E-3.	-6 with the far ei	nd module
allocated in the budge	et.).			Proposed Response	Response Status 0		
Use the host trace def used in clause 92.	fined in 92.10.7.1.1 with Zp =	151mm. (ie iden	tical to the host trace				
Proposed Response	Response Status O			C/ 120E SC 120E.3.4.1	.1 P 267	L 53	# 28
				Dudek, Mike	QLogic		
				Comment Type E	Comment Status D		
120E SC 120E.4.2		L 48	# <u>2</u> 5	Hot link to table 120E-7 of	doesn't seem to be working	properly.	
udek, Mike	QLogic						
duek, Mike	QLOGIC			SuggestedRemedy			
	Comment Status D			SuggestedRemedy fix it.			
<i>Comment Type</i> T Whether the vercial ey original intent of this s	C C	sts from large an	nplitude very large		Response Status O		
<i>Comment Type</i> T Whether the vercial ey original intent of this s	Comment Status D ye closure is measured as nea pecification was to protect hos	sts from large an	nplitude very large	fix it. Proposed Response	,		# 00
Comment Type T Whether the vercial ey original intent of this s distortion eyes. The a <i>SuggestedRemedy</i> Change the sentence	Comment Status D ye closure is measured as nea pecification was to protect hos	sts from large an ation provides thi asured on the ne	nplitude very large is protection. ear end eye and is	fix it.	,	L 53	# 29
Whether the vercial ey original intent of this s distortion eyes. The a <i>uggestedRemedy</i> Change the sentence calculated". Cons	Comment Status D ye closure is measured as nea pecification was to protect hos addition of the far end specifica to "Vertical eye closure is mea	sts from large an ation provides thi asured on the ne	nplitude very large is protection. ear end eye and is	fix it. Proposed Response C/ 120E SC 120E.3.4.1 Dudek, Mike Comment Type T	.1 <i>P</i> 268		
Comment Type T Whether the vercial eyoriginal intent of this s distortion eyes. The a suggestedRemedy Change the sentence calculated". Const troposed Response	Comment Status D ye closure is measured as nea pecification was to protect hos addition of the far end specifica to "Vertical eye closure is mea sider deleting all references to <i>Response Status</i> O	sts from large an ation provides thi asured on the ne	nplitude very large is protection. ear end eye and is	fix it. Proposed Response Cl 120E SC 120E.3.4.1 Dudek, Mike Comment Type T The requirement is now f SuggestedRemedy	.1 P 268 QLogic <i>Comment Status</i> D for 1e-5 probability eyes. E	H6 and EW6 are	
Comment Type T Whether the vercial ey original intent of this s distortion eyes. The a SuggestedRemedy Change the sentence calculated". Cons Proposed Response	Comment Status D ye closure is measured as nea pecification was to protect hos addition of the far end specifica to "Vertical eye closure is mea sider deleting all references to <i>Response Status</i> O	sts from large an ation provides thi asured on the ne the Vertical eye	nplitude very large is protection. ear end eye and is closure.	fix it. Proposed Response Cl 120E SC 120E.3.4.1 Dudek, Mike Comment Type T The requirement is now f SuggestedRemedy Change "EH6 and EW6"	.1 P 268 QLogic <i>Comment Status</i> D for 1e-5 probability eyes. E to "Eye height and eye wid	H6 and EW6 are	
omment Type T Whether the vercial ey original intent of this s distortion eyes. The a uggestedRemedy Change the sentence calculated". Cons roposed Response / 120E SC 120E.3.3 udek, Mike omment Type E It is strange to have E	Comment Status D ye closure is measured as near pecification was to protect hose addition of the far end specification to "Vertical eye closure is meas sider deleting all references to <i>Response Status</i> O 3.2 P 264	sts from large an ation provides thi asured on the ne the Vertical eye <i>L</i> 44	nplitude very large is protection. ear end eye and is o closure. # 26	fix it. Proposed Response Cl 120E SC 120E.3.4.1 Dudek, Mike Comment Type T The requirement is now f SuggestedRemedy	.1 P 268 QLogic <i>Comment Status</i> D for 1e-5 probability eyes. E	H6 and EW6 are	
Whether the vercial ey original intent of this s distortion eyes. The a uggestedRemedy Change the sentence calculated". Cons roposed Response	Comment Status D ye closure is measured as near pecification was to protect host addition of the far end specification was to protect host addition was to protect host addition was to protect host addition was to protecharge additing the far end specification was to protecharge addit	sts from large an ation provides thi asured on the ne the Vertical eye <i>L</i> 44	nplitude very large is protection. ear end eye and is o closure. # 26	fix it. Proposed Response Cl 120E SC 120E.3.4.1 Dudek, Mike Comment Type T The requirement is now f SuggestedRemedy Change "EH6 and EW6"	.1 P 268 QLogic <i>Comment Status</i> D for 1e-5 probability eyes. E to "Eye height and eye wid	H6 and EW6 are	
Comment Type T Whether the vercial ey original intent of this s distortion eyes. The a uggestedRemedy Change the sentence calculated". Cons roposed Response 1 120E SC 120E.3.3 udek, Mike comment Type E It is strange to have E Whereas the first men uggestedRemedy	Comment Status D ye closure is measured as near pecification was to protect host addition of the far end specification was to protect host addition was to protect host addition was to protect host addition was to protecharge additing the far end specification was to protecharge addit	sts from large an ation provides thi asured on the ne the Vertical eye <i>L</i> 44	nplitude very large is protection. ear end eye and is closure. # 26	fix it. Proposed Response Cl 120E SC 120E.3.4.1 Dudek, Mike Comment Type T The requirement is now f SuggestedRemedy Change "EH6 and EW6"	.1 P 268 QLogic <i>Comment Status</i> D for 1e-5 probability eyes. E to "Eye height and eye wid	H6 and EW6 are	

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: Comment ID

C/ 120E SC 120E.4.2	P 269	L 52	# 30	C/ 120D SC 120D.3.1.1 P 244 L 21 # 33
Dudek, Mike	QLogic			Healey, Adam Broadcom Ltd.
There are more than two a SuggestedRemedy	C C		ut.	Comment Type T Comment Status D The method in 120E.3.3.2 is prescribed for the measurement of CDAUI-8 chip-to-chip even odd jitter. The method requires accurate identification of transitions between signal levels. Crossing thresholds defined to be mid-points of the upper, middle, and lower even opening a bit the prescribed with the terms of the transition.
Change "either of the CTL Proposed Response F	esponse Status O	STLE Setting		presume such eye openings exist. However, it is stated that "the even-odd jitter specification shall be met regardless of the transmit equalization setting." In some cases, equalization will be necessary to generate the open eye. In other cases, filtering may be needed to compensate for over equalization to generate the open eye. The equalization/filtering is not defined for CDAUI-8.
C/ 120D SC 120D.3.1	P 243	L 42	# 31	SuggestedRemedy
Healey, Adam	Broadcom Ltd			Define the equalization/filtering to be used to produce the open eyes required for even-ode
Comment Type T "The transmit output wave mechanism described in 8 mechanism for CDAUI-8 is	3D.3.3.2, but with eight rat			jitter measurements for all transmit equalization settings. Alternatively, revert to the measurement based on JP03B test pattern which can be applied regardless of the transmitter equalization setting. <i>Proposed Response</i> Response Status O
SuggestedRemedy Change to: "The transmit o mechanism described in 1		onally be manip	ulated via the feedback	C/ 120D SC 120D.3.2.3 P 248 L 44 # 34
Proposed Response F	Response Status O			Healey, Adam Broadcom Ltd.
Cl 120D SC 120D.3.1.1 Healey, Adam Comment Type T IEEE P802.3by/D3.2 has a represent a source rise tim pmax/vf ratio (e.g., 0.8) de that can practically be mea http://www.ieee802.org/3/b Specifically, a 12 ps sourc can represent a pmax/vf lin SuggestedRemedy	ne greater than zero. This rived from the original CO asured (see py/public/adhoc/architectur e rise time is used for 25G	clude a transmit is being used to M model with so e/ran_021716_2 iBASE-KR so th	reconcile the high omewhat lower values 25GE_adhoc.pdf). at the COM models	Comment Type T Comment Status D The example of a possible transmitter equalization tuning process provided in 83D.5 is representative of what could be used for CDAUI-8 but it contains several CAUI-4 specific details. The most obvious different is 8 lanes for CDAUI-8 versus 4 lanes for CAUI-4. A potentially confusing difference is that 83D.5 references the CAUI-4 register set while CDAUI-8 uses a different set of registers. While the re-use of existing text is appreciated, may be useful to point out these key differences. SuggestedRemedy Note the exceptions to the lane count and register mapping in the reference to 83D.5. Proposed Response Response Status O
Invoke the transmitter rise the basis for a new limit or 12 ps and 0.75.				
Proposed Response F	Response Status O			

C/ 120D SC 120D.3.1.1 P 244 L 21 # 35 Healey, Adam Broadcom Ltd. Broadcom Ltd.	C/ 120E SC 120E.3.2.1.1 P 262 L 35 # 43 Hegde, Raj Broadcom Corporation # 43
Comment Type E Comment Status D The "x" in "0.8 x vf" should be a multiplication sign. SuggestedRemedy Replace "x" with a multiplication sign.	Comment Type T Comment Status D The current eye width and height measurement method needs to be updated according to the consensus comments received during the last meeting as well as the latest ad-hocs. The eye-height and width numbers as well as the loss-channel specification will need to be updated.
Proposed Response Response Status O Cl 120D SC 120D.3.2.1 P 247 L 15 # 36	SuggestedRemedy A presentation will be made in support of this comment. This topic is being discussed at the ad-hocs. Based on the consensus reached, a modification draft will also be submitted along with the presentation.
Healey, Adam Broadcom Ltd.	Proposed Response Response Status O
Comment Type E Comment Status D The indentation of the wrapped text in the lettered list is not correct. For example, "to- peak" should be aligned with "The test". Also, there appears to be extra white space in "peak-to-peak". SuggestedRemedy	C/ 120D SC 120D.3.1 P 244 L 32 # 44 Hegde, Raj Broadcom Corporation Comment Type T Comment Status D
Make appropriate editorial changes per comment. Proposed Response Response Status O	The CDAUI-8 CRU bandwidth was updated to 4MHz during the last meeting. However, thi could be still high for DSP based receive solutions and is not in line with the OIF CEI-56G standards where it is set to 3MHz.
	SuggestedRemedy
C/ 120D SC 120D.3.1 P 244 L 26 # 42 Hegde, Raj Broadcom Corporation	Change the CRU bandwidth for CDAUI-8 C2C and C2M to 3MHz to align with CEI-56G standards. A presentation will be made in support of this comment.
Comment Type T Comment Status D	Proposed Response Response Status O
The current TX jitter measurement method of extracting CRJ and CDJ from J5 and J6 can	
result in large errors. SuggestedRemedy	C/ 120D SC 120D.4 P 249 L 40 # 45 Hegde, Raj Broadcom Corporation Broadcom Corporation Hegde Hegde <td< td=""></td<>
The specification should be changed to direct measurement of JRMS and J5. This topic was discussed in Macau and accepted in general. An updated presentation will be made in support of this comment.	Comment Type T Comment Status D The current CTLE configuration for chip-to-chip is a 2-zero, 2-pole structure. Traditionally,
Proposed Response Response Status O	the CTLE has carried an extra pole at fb to model the bandlimiting nature of real CTLEs. <i>SuggestedRemedy</i> Add a 3rd pole to the CTLE at fb. A precentation will be made in support of this commont
	Add a 3rd pole to the CTLE at fb. A presentation will be made in support of this comment Proposed Response Response Status O
	Proposed Response Response Status O

						_		# 40
C/ 120B SC 120B.1	P 229	L 33	# 46	C/ 119 SC 119.2	2.5.2	P 104	L 34	# <u>4</u> 9
Anslow, Pete	Ciena			Anslow, Pete	Cie	ena		
Comment Type T	Comment Status D			Comment Type E	Comment Stat	tus D		
	t D1.2 changed Figures 120B-			UM6 should be UN	15			
	However, for the left hand sta therefore should be labelled ju			SuggestedRemedy Change UM6 to UN	И5			
SuggestedRemedy				Proposed Response	Response Stat	us O		
In Figures 120B-1 and "400 Gb/s PCS".	d 120D-1, change the left hand	d stack from "400	0GBASE-R PCS" to		-			
Proposed Response	Response Status 0			C/ 123 SC 123.8	3.5	P 203	L 22	# 50
				Anslow, Pete	Ci	ena		
7 119 SC 119.6.4		1.00	" [17]	Comment Type T	Comment Stat	tus D		
C/ 119 SC 119.6.4 .	.1 <i>P</i> 119 Ciena	L 28	# 47		ric and SRS calibration			/IF Ad Hoc (see 0416 smf.pdf) a short
	ololla					0/5111/10_04	i_i <i>s</i> /kiiiy_∪ia_u	5410_SIII.pul) a Short
	Commont Status D			test pattern will be	required.			
	Comment Status D	ion oo in itom DE	1 but not for the	•	required.			
· · · //· ·	Comment Status D propriate for the Receive function	ion as in item RF	1, but not for the	SuggestedRemedy		ols lona vers	sion) as propose	ed in
Skew tolerance is app transmit function		ion as in item RF	1, but not for the	SuggestedRemedy Adopt the SSPRQ http://www.ieee802	pattern (2^16-1 symbols .org/3/bs/public/adho	c/logic/apr28	8_16/anslow_01	_0416_logic.pdf for
Skew tolerance is app transmit function	propriate for the Receive functi	ion as in item RF	1, but not for the	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca	pattern (2^16-1 symbol .org/3/bs/public/adhoo libration in Clauses 12	c/logic/apr28 22 and 123 v	8_16/anslow_01	_0416_logic.pdf for
Skew tolerance is app transmit function SuggestedRemedy Remove PICS item T	propriate for the Receive functi	ion as in item RF	1, but not for the	SuggestedRemedy Adopt the SSPRQ http://www.ieee802	pattern (2^16-1 symbols .org/3/bs/public/adho	c/logic/apr28 22 and 123 v	8_16/anslow_01	_0416_logic.pdf for
Skew tolerance is app transmit function SuggestedRemedy Remove PICS item T Proposed Response	F1 Response Status O			SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca	pattern (2^16-1 symbo corg/3/bs/public/adhoo libration in Clauses 12 <i>Response Stat</i>	c/logic/apr28 22 and 123 v	8_16/anslow_01	_0416_logic.pdf for
Skew tolerance is app transmit function uggestedRemedy Remove PICS item T roposed Response	F1 Response Status O	ion as in item RF	1, but not for the # [<u>48</u>	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response	pattern (2^16-1 symbo org/3/bs/public/adho libration in Clauses 12 <i>Response State</i>	c/logic/apr28 22 and 123 v tus 0	8_16/anslow_01 with editorial lice	_0416_logic.pdf for ense.
Skew tolerance is app transmit function SuggestedRemedy Remove PICS item T Proposed Response Cl 119 SC 119.2.4. Inslow, Pete	F1 <i>Response Status</i> O 4 <i>P</i> 96 Ciena			SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response	pattern (2^16-1 symbo org/3/bs/public/adho libration in Clauses 12 <i>Response State</i>	c/logic/apr28 22 and 123 v ius O P 172 ena	8_16/anslow_01 with editorial lice	_0416_logic.pdf for ense.
Skew tolerance is app transmit function SuggestedRemedy Remove PICS item T Proposed Response Cl 119 SC 119.2.4. Anslow, Pete Comment Type T	F1 Response Status O 4 P 96 Ciena Comment Status D	L 50	# [48	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response Cl 122 SC 122.3 Anslow, Pete Comment Type T The sentence "The	pattern (2^16-1 symbols org/3/bs/public/adhoo libration in Clauses 12 <i>Response State</i> .2 <i>Comment State</i> Skew Variation must	c/logic/apr28 22 and 123 v <i>i</i> us O <i>P</i> 172 ena <i>tus</i> D t also be limi	B_16/anslow_01 with editorial lice <i>L</i> 27	0416_logic.pdf for ense. # <u>51</u>
Skew tolerance is app transmit function uggestedRemedy Remove PICS item T roposed Response / 119 SC 119.2.4. nslow, Pete omment Type T The PRBS9 pad bits s	F1 <i>Response Status</i> O 4 <i>P</i> 96 Ciena	L 50	# [48	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response Cl 122 SC 122.3 Anslow, Pete Comment Type T The sentence "The always traverses th	pattern (2^16-1 symbols org/3/bs/public/adhoo libration in Clauses 12 <i>Response State</i> .2 <i>Comment State</i> Skew Variation must he same physical lane	c/logic/apr28 22 and 123 v <i>tus</i> O <i>P</i> 172 ena <i>tus</i> D t also be limi e." is in mage	B_16/anslow_01 with editorial lice <i>L</i> 27 ited to ensure thenta font.	# 51
Skew tolerance is app transmit function uggestedRemedy Remove PICS item T troposed Response f 119 SC 119.2.4. nslow, Pete comment Type T The PRBS9 pad bits s implementations.	F1 Response Status O 4 P 96 Ciena Comment Status D	L 50	# [48	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response CI 122 SC 122.3 Anslow, Pete Comment Type T The sentence "The always traverses th As the current PMA	pattern (2^16-1 symbols org/3/bs/public/adhoo libration in Clauses 12 <i>Response State</i> .2 <i>Comment State</i> Skew Variation must	c/logic/apr28 22 and 123 v <i>fus</i> O <i>P</i> 172 ena <i>tus</i> D t also be limi s." is in mage live 2:1 or 4:1	B_16/anslow_01 with editorial lice <i>L</i> 27 ited to ensure th enta font. 1 mux or demux	# 51
Skew tolerance is app transmit function uggestedRemedy Remove PICS item T roposed Response // 119 SC 119.2.4. nslow, Pete comment Type T The PRBS9 pad bits s implementations. uggestedRemedy	F1 <i>Response Status</i> O 4 <i>P</i> 96 Ciena <i>Comment Status</i> D shown in Figure 119-4 add cor	L 50	# 48	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response CI 122 SC 122.3 Anslow, Pete Comment Type T The sentence "The always traverses th As the current PMA	pattern (2^16-1 symbols corg/3/bs/public/adhoo libration in Clauses 12 <i>Response State</i> .2 Cin <i>Comment Stat</i> Skew Variation must he same physical lane A structures only invol	c/logic/apr28 22 and 123 v <i>fus</i> O <i>P</i> 172 ena <i>tus</i> D t also be limi s." is in mage live 2:1 or 4:1	B_16/anslow_01 with editorial lice <i>L</i> 27 ited to ensure th enta font. 1 mux or demux	# 51
Skew tolerance is app transmit function SuggestedRemedy Remove PICS item T Proposed Response Cl 119 SC 119.2.4. Anslow, Pete Comment Type T The PRBS9 pad bits s implementations. SuggestedRemedy Change to the schem the naming from:	F1 <i>Response Status</i> O 4 <i>P</i> 96 Ciena <i>Comment Status</i> D shown in Figure 119-4 add cor e proposed in anslow_03_041	L 50 nplexity to the dra 6_logic with edito	# 48	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response C/ 122 SC 122.3 Anslow, Pete Comment Type T The sentence "The always traverses th As the current PM/ excessive skew va SuggestedRemedy	pattern (2^16-1 symbols corg/3/bs/public/adhoo libration in Clauses 12 <i>Response State</i> .2 Cin <i>Comment Stat</i> Skew Variation must he same physical lane A structures only invol	c/logic/apr28 22 and 123 v <i>fus</i> O P 172 ena <i>tus</i> D t also be limi e." is in mage lve 2:1 or 4:1 e a PCS lane	B_16/anslow_01 with editorial lice <i>L</i> 27 ited to ensure th enta font. 1 mux or demux	# 51
Skew tolerance is app transmit function SuggestedRemedy Remove PICS item T Proposed Response Cl 119 SC 119.2.4. Anslow, Pete Comment Type T The PRBS9 pad bits s implementations. SuggestedRemedy Change to the schem the naming from: "UM0, UM1, UM2, UM	F1 <i>Response Status</i> O 4 <i>P</i> 96 Ciena <i>Comment Status</i> D shown in Figure 119-4 add cor e proposed in anslow_03_041 <i>I</i> 3, UM4, UM5, UM6, UM7, UM	L 50 nplexity to the dra 6_logic with edito //8" to:	# 48	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response C/ 122 SC 122.3 Anslow, Pete Comment Type T The sentence "The always traverses th As the current PM/ excessive skew va SuggestedRemedy	pattern (2^16-1 symbo c.org/3/bs/public/adhor libration in Clauses 12 <i>Response State</i> .2 Cir <i>Comment Stat</i> Skew Variation must he same physical lane A structures only invol riation isn't likely to be	c/logic/apr28 22 and 123 v <i>fus</i> O <i>P</i> 172 ena <i>tus</i> D t also be limi e." is in mage live 2:1 or 4:1 e a PCS lane	B_16/anslow_01 with editorial lice <i>L</i> 27 ited to ensure th enta font. 1 mux or demux	# 51
Skew tolerance is app transmit function SuggestedRemedy Remove PICS item T Proposed Response Cl 119 SC 119.2.4. Anslow, Pete Comment Type T The PRBS9 pad bits s implementations. SuggestedRemedy Change to the schem the naming from: "UM0, UM1, UM2, UM "UP0, UP1, UM0, UM	F1 <i>Response Status</i> O 4 <i>P</i> 96 Ciena <i>Comment Status</i> D shown in Figure 119-4 add cor e proposed in anslow_03_041	L 50 nplexity to the dra 6_logic with edito /18" to: 5"	# 48	SuggestedRemedy Adopt the SSPRQ http://www.ieee802 TDEC and SRS ca Proposed Response Cl 122 SC 122.3 Anslow, Pete Comment Type T The sentence "The always traverses th As the current PM/ excessive skew va SuggestedRemedy Delete this sentence	pattern (2^16-1 symbols corg/3/bs/public/adhoo libration in Clauses 12 <i>Response State</i> .2 Comment State Skew Variation must be same physical lane A structures only invol riation isn't likely to be ce here and in 123.3.2	c/logic/apr28 22 and 123 v <i>fus</i> O <i>P</i> 172 ena <i>tus</i> D t also be limi e." is in mage live 2:1 or 4:1 e a PCS lane	B_16/anslow_01 with editorial lice <i>L</i> 27 ited to ensure th enta font. 1 mux or demux	# 51

C/ 121 SC 121.8.5 P 160 L 22 # 52	Cl 30 SC 30.5.1.1.4 P 31 L 30 # 55
Anslow, Pete Ciena	Anslow, Pete Ciena
Comment Type T Comment Status D	Comment Type T Comment Status D
TDEC as defined in 95.8.5.1 includes: "The clock recovery unit (CRU) has a corner frequency of 10 MHz and a slope of 20 dB/decade."	As the 400GBASE-R PCS does not set the high BER status bit, remove the second change to the "BEHAVIOUR DEFINED AS" section of 30.5.1.1.4 from the draft.
SuggestedRemedy	SuggestedRemedy
Change: " with the exception that in Equation 95–6" to: " with the exceptions that the clock recovery unit (CRU) has a corner frequency of 4 f	
and in Equation 95–6" Proposed Response Response Status O	Proposed Response Response Status O
C/ 121 SC 121.8.7 P 160 L 39 # 53	C/ 31B SC 31B.3.7 P 215 L 17 # 56
Anslow, Pete Ciena	Comment Type T Comment Status D
The transmitter optical waveform measurement defined in 95.8.7 uses a 10 MHz CRU. SuggestedRemedy	The value of TBD pause_quanta in the new paragraph in 31B.3.7 should be equal to the sum of the pause_quanta values of the first four rows of Table 116-3 (since the PMDs ar
Change:" if measured according to the methods specified in 95.8.7." to: " if measured according to the methods specified in 95.8.7 with the exception that the clock recovery unit's high-frequency corner bandwidth is 4 MHz." Proposed Response Response Status O	all the same value). This is 905 including 72 in Magenta for the PMA sublayer. The TBD in the max overrun equation should be equal to the sum of the bit time values o
Change:" if measured according to the methods specified in 95.8.7." to: " if measured according to the methods specified in 95.8.7 with the exception that the clock recovery unit's high-frequency corner bandwidth is 4 MHz."	all the same value). This is 905 including 72 in Magenta for the PMA sublayer. The TBD in the max overrun equation should be equal to the sum of the bit time values of the first four rows of Table 116-3 divided by 8. This evaluates to 57920 bytes including 36864 bit times in Magenta for the PMA sublayer.
Change:" if measured according to the methods specified in 95.8.7." to: " if measured according to the methods specified in 95.8.7 with the exception that the clock recovery unit's high-frequency corner bandwidth is 4 MHz." Proposed Response Response Status O C/ 121 SC 121.8.8 P 160 L 44 # 54	all the same value). This is 905 including 72 in Magenta for the PMA sublayer. The TBD in the max overrun equation should be equal to the sum of the bit time values of the first four rows of Table 116-3 divided by 8. This evaluates to 57920 bytes including 36864 bit times in Magenta for the PMA sublayer. The TBD in PICS item TIM10 should be equal to the value of TBD pause_quanta above.
Change:" if measured according to the methods specified in 95.8.7." to: " if measured according to the methods specified in 95.8.7 with the exception that the clock recovery unit's high-frequency corner bandwidth is 4 MHz." Proposed Response Response Status O C/ 121 SC 121.8.8 P 160 L 44 # 54 Anslow, Pete Ciena	all the same value). This is 905 including 72 in Magenta for the PMA sublayer. The TBD in the max overrun equation should be equal to the sum of the bit time values of the first four rows of Table 116-3 divided by 8. This evaluates to 57920 bytes including 36864 bit times in Magenta for the PMA sublayer. The TBD in PICS item TIM10 should be equal to the value of TBD pause_quanta above. SuggestedRemedy Change the three TBDs to 905, 57920, and 905 as discussed in the comment with appropriate adjustments to the values if any of the sublayer delays in Table 116-3 are
Change:" if measured according to the methods specified in 95.8.7." to: " if measured according to the methods specified in 95.8.7 with the exception that the clock recovery unit's high-frequency corner bandwidth is 4 MHz." Proposed Response Response Status O C/ 121 SC 121.8.8 P 160 L 44 # 54 Anslow, Pete Ciena Ciena Ciena Ciena Comment Type T Comment Status D The stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses at 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses at 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses at 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses at 10 MHz CRU at the stressed receiver sensitivity measurement defined in 95.8.8 uses at 10 MHz CRU at the stressed receiver senset the stressed receiver sensitivity measurem	all the same value). This is 905 including 72 in Magenta for the PMA sublayer. The TBD in the max overrun equation should be equal to the sum of the bit time values of the first four rows of Table 116-3 divided by 8. This evaluates to 57920 bytes including 36864 bit times in Magenta for the PMA sublayer. The TBD in PICS item TIM10 should be equal to the value of TBD pause_quanta above. SuggestedRemedy Change the three TBDs to 905, 57920, and 905 as discussed in the comment with appropriate adjustments to the values if any of the sublayer delays in Table 116-3 are changed by other comments. Proposed Response Response Status O
Change:" if measured according to the methods specified in 95.8.7." to: " if measured according to the methods specified in 95.8.7 with the exception that the clock recovery unit's high-frequency corner bandwidth is 4 MHz." Proposed Response Response Status C/ 121 SC 121.8.8 P 160 L 44 # 54 Anslow, Pete Ciena Comment Type T Comment Status D The stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU a added jitter appropriate to this CRU bandwidth. Status D	all the same value). This is 905 including 72 in Magenta for the PMA sublayer. The TBD in the max overrun equation should be equal to the sum of the bit time values of the first four rows of Table 116-3 divided by 8. This evaluates to 57920 bytes including 36864 bit times in Magenta for the PMA sublayer. The TBD in PICS item TIM10 should be equal to the value of TBD pause_quanta above. SuggestedRemedy Change the three TBDs to 905, 57920, and 905 as discussed in the comment with appropriate adjustments to the values if any of the sublayer delays in Table 116-3 are changed by other comments. Proposed Response Response Status O and Cl 1 SC 1.1.3.2 P27 L1 # 57
Change:" if measured according to the methods specified in 95.8.7." to: " if measured according to the methods specified in 95.8.7 with the exception that the clock recovery unit's high-frequency corner bandwidth is 4 MHz." Proposed Response Response Status O Cl 121 SC 121.8.8 P 160 L 44 # 54 Anslow, Pete Ciena Ciena Ciena Ciena Comment Type T Comment Status D D The stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU at 10 MHz CRU	all the same value). This is 905 including 72 in Magenta for the PMA sublayer. The TBD in the max overrun equation should be equal to the sum of the bit time values of the first four rows of Table 116-3 divided by 8. This evaluates to 57920 bytes including 36864 bit times in Magenta for the PMA sublayer. The TBD in PICS item TIM10 should be equal to the value of TBD pause_quanta above. SuggestedRemedy Change the three TBDs to 905, 57920, and 905 as discussed in the comment with appropriate adjustments to the values if any of the sublayer delays in Table 116-3 are changed by other comments. Proposed Response Response Status O
Change:" if measured according to the methods specified in 95.8.7." to: " if measured according to the methods specified in 95.8.7 with the exception that the clock recovery unit's high-frequency corner bandwidth is 4 MHz." Proposed Response Response Status O Cl 121 SC 121.8.8 P 160 L 44 # 54 Anslow, Pete Ciena Comment Type T Comment Status D The stressed receiver sensitivity measurement defined in 95.8.8 uses a 10 MHz CRU a added jitter appropriate to this CRU bandwidth. SuggestedRemedy Add two more exceptions: — The clock recovery unit (CRU) has a corner frequency of 4 MHz.	all the same value). This is 905 including 72 in Magenta for the PMA sublayer. The TBD in the max overrun equation should be equal to the sum of the bit time values of the first four rows of Table 116-3 divided by 8. This evaluates to 57920 bytes including 36864 bit times in Magenta for the PMA sublayer. The TBD in PICS item TIM10 should be equal to the value of TBD pause_quanta above. SuggestedRemedy Change the three TBDs to 905, 57920, and 905 as discussed in the comment with appropriate adjustments to the values if any of the sublayer delays in Table 116-3 are changed by other comments. Proposed Response Response Status O Anslow, Pete Ciena Comment Type E Comment Status D

C/ 122 SC 122.8.		L 31	# 58	C/ 119 SC 119.3		127	L 23	# 61
Anslow, Pete	Ciena			Anslow, Pete	Cie	na		
Comment Type T	Comment Status D			Comment Type E	Comment Statu	is D		
In item b), the part a 53.2 GHz is magent	bout an optical filter is not appr a	opriate for DR4.		Clause 45.	egister names in Table			
SuggestedRemedy				counter"				
	e tested individually with the sur being below –30 dBm.	m of the optical p	ower from all of the		ange the PCS register ange the PCS register			
Proposed Response	Response Status O			"PCS status 1" In Table 119-4, ch counter"	ange the PCS register ange the PCS register	name for re	egister 3.22 to "I	EEE wake error
CI 00 SC 0	Р	L	# 59	counter".				
				Proposed Response	Response Statu	s 0		
Comment Type E	Ciena Comment Status D ses that are being amended on	ly show part of th	e existing table.			-		
Comment Type E Some tables in clau SuggestedRemedy	Comment Status D ses that are being amended on just an ellipsis character as wa		Ū	Cl 00 SC 0 Anslow, Pete Comment Type T		2 152 na	L 52	# 62
Comment Type E Some tables in clau SuggestedRemedy Add rows containing Std 802.3bm Table	Comment Status D ses that are being amended on just an ellipsis character as wa		Ū	Cl 00 SC 0 Anslow, Pete Comment Type T 121.1.1, 122.1.1 a 10^-13 with a BER The calculation giv	F Cie Comment Statu Ind 123.1.1 all contain a of less than 2.4 x 10^- ing 9.2 x 10^-13 was d	P 152 na <i>Is</i> D requireme 4. one accord	nt for the FLR to	o be less than 9.2 x ions given in:
Comment Type E Some tables in clau SuggestedRemedy Add rows containing Std 802.3bm Table Proposed Response	Comment Status D ses that are being amended on just an ellipsis character as wa 80-1 <i>Response Status</i> O		Ū	Cl 00 SC 0 Anslow, Pete Comment Type T 121.1.1, 122.1.1 a 10^-13 with a BER The calculation giv http://www.ieee802 with MFC = 8 as p http://www.ieee802	F Cie Comment Statu nd 123.1.1 all contain a of less than 2.4 x 10^- ing 9.2 x 10^-13 was d .org/3/bs/public/14_11	2 152 na <i>Is</i> D requireme 4. one accord /anslow_3b	nt for the FLR to ing to the equat os_02_1114.pdf	o be less than 9.2 x ions given in: #page=11
Comment Type E Some tables in clau SuggestedRemedy Add rows containing Std 802.3bm Table Proposed Response Cl 116 SC 116.3. Anslow, Pete Comment Type E	Comment Status D ses that are being amended on just an ellipsis character as wa 80-1 Response Status O	as done in the pul	blished version of IEE	Cl 00 SC 0 Anslow, Pete Comment Type T 121.1.1, 122.1.1 a 10^-13 with a BER The calculation giv http://www.ieee802 with MFC = 8 as p http://www.ieee802 .pdf#page=4 However, the proc "every 257-bit bloc	F Cie Comment Statu d 123.1.1 all contain a of less than 2.4 x 10~- ing 9.2 x 10~13 was d .org/3/bs/public/14_11 er: .org/3/bm/public/mmfa essing specified in 119 < within the two associa	P152 na s D requireme 4. one accord /anslow_3b dhoc/meeti .2.5.3 now f ated codew	nt for the FLR to ing to the equat os_02_1114.pdf ings/nov29_12/s requires the FE rords" as bad.	o be less than 9.2 x ions given in: #page=11 anslow_01a_1112_mr C decoder to mark Fhis means that the
Comment Type E Some tables in clau SuggestedRemedy Add rows containing Std 802.3bm Table Proposed Response Cl 116 SC 116.3. Anslow, Pete Comment Type E [Editor's note: Is a p	Comment Status D ses that are being amended on i just an ellipsis character as wa 80-1 Response Status O 2 P 68 Ciena Comment Status D refix needed for the CDXS?]	as done in the pul	blished version of IEE # <u>60</u>	Cl 00 SC 0 Anslow, Pete Comment Type T 121.1.1, 122.1.1 a 10^-13 with a BER The calculation giv http://www.ieee802 with MFC = 8 as p http://www.ieee802 .pdf#page=4 However, the proc "every 257-bit bloc factor (1 + MFC)/M	F Cie Comment Statu ad 123.1.1 all contain a of less than 2.4 x 10~- ing 9.2 x 10~13 was d .org/3/bs/public/14_11 er: .org/3/bm/public/mmfa essing specified in 119	P152 na requireme 4. one accord /anslow_3b dhoc/meeti .2.5.3 now f ated codew aslow_3bs_	nt for the FLR to ing to the equat s_02_1114.pdf ings/nov29_12/a requires the FE ords" as bad. ⊐ 02_1114.pdf sh	o be less than 9.2 x ions given in: #page=11 anslow_01a_1112_mr C decoder to mark This means that the iould be replaced by (
Comment Type E Some tables in clau SuggestedRemedy Add rows containing Std 802.3bm Table Proposed Response C/ 116 SC 116.3. Anslow, Pete Comment Type E [Editor's note: Is a p SuggestedRemedy Since in Figure 120-	Comment Status D ses that are being amended on a just an ellipsis character as wa 80-1 Response Status O 2 P 68 Ciena Comment Status D refix needed for the CDXS?] 5 there is: " inst PMD, PMA,	as done in the pul	blished version of IEE # <u>60</u>	Cl 00 SC 0 Anslow, Pete Comment Type T 121.1.1, 122.1.1 a 10^-13 with a BER The calculation giv http://www.ieee802 with MFC = 8 as p http://www.ieee802 .pdf#page=4 However, the proc "every 257-bit bloc factor (1 + MFC)/M	F Cie Comment Statu d 123.1.1 all contain a of less than 2.4 x 10 .org/3/bs/public/14_11 er: .org/3/bm/public/mmfa essing specified in 119 k within the two associ FC) in equation 4 of ar	P152 na requireme 4. one accord /anslow_3b dhoc/meeti .2.5.3 now f ated codew aslow_3bs_	nt for the FLR to ing to the equat s_02_1114.pdf ings/nov29_12/a requires the FE ords" as bad. ⊐ 02_1114.pdf sh	o be less than 9.2 x ions given in: #page=11 anslow_01a_1112_mr C decoder to mark This means that the nould be replaced by
Comment Type E Some tables in clau SuggestedRemedy Add rows containing Std 802.3bm Table Proposed Response Cl 116 SC 116.3. Anslow, Pete Comment Type E [Editor's note: Is a p SuggestedRemedy Since in Figure 120- is below this PMA",	Comment Status D ses that are being amended on i just an ellipsis character as wa 80-1 Response Status O 2 P 68 Ciena Comment Status D refix needed for the CDXS?]	as done in the pul	blished version of IEE # <u>60</u>	Cl 00 SC 0 Anslow, Pete Comment Type T 121.1.1, 122.1.1 a 10^-13 with a BER The calculation giv http://www.ieee802 with MFC = 8 as p http://www.ieee802 .pdf#page=4 However, the proc "every 257-bit bloc factor (1 + MFC)/M + 2*MFC)/MFC), w SuggestedRemedy In 121.1.1, 122.1.1	F Cie Comment Statu d 123.1.1 all contain a of less than 2.4 x 10 .org/3/bs/public/14_11 er: .org/3/bm/public/mmfa essing specified in 119 k within the two associ FC) in equation 4 of ar	P 152 na s D requireme 4. one accord /anslow_3b dhoc/meeti 2.5.3 now i ated codew nslow_3bs_ from 9.2 x	nt for the FLR to ing to the equat os_02_1114.pdf ings/nov29_12/a requires the FE rords" as bad. 02_1114.pdf sh 10^-13 to 1.7 x	o be less than 9.2 x ions given in: #page=11 anslow_01a_1112_mr C decoder to mark Fhis means that the hould be replaced by 1 10^-12
Some tables in clau SuggestedRemedy Add rows containing Std 802.3bm Table Proposed Response Cl 116 SC 116.3. Anslow, Pete Comment Type E [Editor's note: Is a p SuggestedRemedy Since in Figure 120- is below this PMA",	Comment Status D ses that are being amended on a just an ellipsis character as wa 80-1 Response Status O 2 P 68 Ciena Comment Status D refix needed for the CDXS?] 5 there is: " inst PMD, PMA, a specific prefix for CDXS is ref	as done in the pul	blished version of IEE # <u>60</u>	Cl 00 SC 0 Anslow, Pete Comment Type T 121.1.1, 122.1.1 a 10^-13 with a BER The calculation giv http://www.ieee802 with MFC = 8 as p http://www.ieee802 .pdf#page=4 However, the proc "every 257-bit bloc factor (1 + MFC)/M + 2*MFC)/MFC), w SuggestedRemedy	F Cie Comment Statu ad 123.1.1 all contain a of less than 2.4 x 10^- ing 9.2 x 10^-13 was d .org/3/bs/public/14_11 er: .org/3/bm/public/mmfa essing specified in 119 < within the two associ FC) in equation 4 of ar hich changes the FLR	P 152 na requireme 4. one accord /anslow_3b dhoc/meeti 2.5.3 now nated codew islow_3bs_ from 9.2 x 10^-1	nt for the FLR to ing to the equat os_02_1114.pdf ings/nov29_12/a requires the FE rords" as bad. 02_1114.pdf sh 10^-13 to 1.7 x	o be less than 9.2 x ions given in: #page=11 anslow_01a_1112_m C decoder to mark Fhis means that the hould be replaced by 10^-12

C/ 120 SC 120.5.1 Dawe, Piers	1.2.1 <i>P</i> 138 Mellanox	L 30	# 63	C/ 120D SC 120D.3 Dawe, Piers		P 243 Mellanox	L 40	# 66
Comment Type TR When 120D's jitter de	Comment Status D efinitions have changed from th	is JP03A patterr	n to PRBS13Q	Comment Type E The specifications ar definitions are in all t			mits are given in	the table and the
SuggestedRemedy Check that the optica MDIO bits.	al clauses haven't adopted it, de	elete this subclau	use and recover the	SuggestedRemedy Change "defined" to		D.3.2, 120E.3	3.1, 120E.3.2, 12	20E.3.3, 120E.3.4.
Proposed Response	Response Status 0			Proposed Response	Response St	tatus O		
C/ 122 SC 122.11. Dawe, Piers	2.2 P 184 Mellanox	L 41	# 64	<i>Cl</i> 120D <i>SC</i> 120D.3 Dawe, Piers		P 244 Mellanox	L 27	# 67
Comment Type T	Comment Status D			Comment Type TR	Comment S	tatus D		
Who is supposed to o	obey this "shall"? The editor?			This contains "Clock		d "Clock deter		
	obey this "shall"? The editor?			an accessible clock,	the method of 94	d "Clock deter .3.12.6.1 uses	s a real-time sco	
SuggestedRemedy Change "The maximu	um number of instances with a			an accessible clock, unrepresentative pat	the method of 94	d "Clock deter .3.12.6.1 uses	s a real-time sco	
SuggestedRemedy Change "The maximu maximum discrete re	um number of instances with a flectance of –45 dB shall be for			an accessible clock, unrepresentative pat SuggestedRemedy	the method of 94 tern, and too muc	d "Clock deter .3.12.6.1 uses ch extrapolatio	s a real-time sco n.	pe, an
SuggestedRemedy Change "The maximu maximum discrete re	um number of instances with a			an accessible clock, unrepresentative pat	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji	d "Clock dete .3.12.6.1 uses ch extrapolatio Jitter (or J5), itter, QPRBS3	s a real-time sco on. which are direct 31 if including co	pe, an ly measurable, using
SuggestedRemedy Change "The maximu maximum discrete re maximum discrete re	um number of instances with a flectance of –45 dB shall be for flectance of –45 dB shall not ex			an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measuri	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji	d "Clock dete .3.12.6.1 use: ch extrapolatic J Jitter (or J5), itter, QPRBS3 o-eyes or just	s a real-time sco on. which are direct 31 if including co	pe, an ly measurable, using
SuggestedRemedy Change "The maximu maximum discrete re maximum discrete re Proposed Response	um number of instances with a flectance of –45 dB shall be for flectance of –45 dB shall not ex			an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measuri need to measure jitte Proposed Response	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji er for all three sub <i>Response St</i>	d "Clock dete .3.12.6.1 use: th extrapolatic J Jitter (or J5), itter, QPRBS3 o-eyes or just tatus O	s a real-time sco on. , which are direct 31 if including co the middle one?	pe, an Ily measurable, using rrelated jitter. Do we
SuggestedRemedy Change "The maximum maximum discrete re maximum discrete re Proposed Response C/ 120B SC 120B.1 Dawe, Piers	um number of instances with a flectance of –45 dB shall be for flectance of –45 dB shall not ex <i>Response Status</i> O <i>P</i> 230 Mellanox	xceed four". Sim	nilarly in 123.11.2.2.	an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measuri need to measure jitte Proposed Response	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji er for all three sub <i>Response St</i>	d "Clock dete .3.12.6.1 uses ch extrapolatic J Jitter (or J5), itter, QPRBS3 o-eyes or just f tatus O	s a real-time sco on. which are direct 31 if including co	pe, an ly measurable, using
SuggestedRemedy Change "The maximum maximum discrete re maximum discrete re Proposed Response Cl 120B SC 120B.1 Dawe, Piers Comment Type TR	um number of instances with a flectance of –45 dB shall be for flectance of –45 dB shall not ex <i>Response Status</i> O <i>P</i> 230 Mellanox <i>Comment Status</i> D	kceed four". Sin	nilarly in 123.11.2.2. # 65	an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measuri need to measure jitte Proposed Response	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji er for all three sub <i>Response St</i>	d "Clock dete .3.12.6.1 use: th extrapolatic J Jitter (or J5), itter, QPRBS3 o-eyes or just tatus O	s a real-time sco on. , which are direct 31 if including co the middle one?	pe, an Ily measurable, using rrelated jitter. Do we
SuggestedRemedy Change "The maximum maximum discrete re maximum discrete re Proposed Response C/ 120B SC 120B.1 Dawe, Piers Comment Type TR C2C CDAUI-16 is su FEC protected. Here recommendation. All	um number of instances with a flectance of –45 dB shall be for flectance of –45 dB shall not ex <i>Response Status</i> O <i>P</i> 230 Mellanox <i>Comment Status</i> D pposed to be re-used C2C CAL there is a "shall" for AC coupli so, if we leave this "shall" apply	L 2	# 65 # 65 ecause we know it's n 83D there isn't even a pupling, we would have	an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measure need to measure jitte Proposed Response Cl 120D SC 120D.3 Dawe, Piers Comment Type T There are surprising	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji er for all three sub <i>Response St</i> .1.1 <i>Comment S</i>	d "Clock dete .3.12.6.1 use: ch extrapolatic d Jitter (or J5), itter, QPRBS3 o-eyes or just tatus O P244 Mellanox ctatus D	s a real-time scoon. which are direct 31 if including co the middle one?	pe, an Ily measurable, using rrelated jitter. Do we # 68
Change "The maximum maximum discrete re maximum discrete re maximum discrete re proposed Response 27 120B SC 120B.1 rawe, Piers Comment Type TR C2C CDAUI-16 is su FEC protected. Here recommendation. All to nail down where th (both sides!) but the	um number of instances with a flectance of -45 dB shall be for flectance of -45 dB shall not ex <i>Response Status</i> O <i>P</i> 230 Mellanox <i>Comment Status</i> D pposed to be re-used C2C CAL there is a "shall" for AC coupli so, if we leave this "shall" apply the coupling is: TX Rx or channe PICS seems to apply it to every	L 2 JI-4 but easier bung cutoff while ir ving to the AC co I. Fig 120B-2 sh	# 65 # 65 ecause we know it's n 83D there isn't even a pupling, we would have nows it in the channel	an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measure need to measure jitte Proposed Response C/ 120D SC 120D.3 Dawe, Piers Comment Type T	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji er for all three sub <i>Response St</i> .1.1 <i>Comment S</i>	d "Clock dete .3.12.6.1 use: ch extrapolatic d Jitter (or J5), itter, QPRBS3 o-eyes or just tatus O P244 Mellanox ctatus D	s a real-time scoon. which are direct 31 if including co the middle one?	pe, an Ily measurable, using rrelated jitter. Do we # 68
SuggestedRemedy Change "The maximum maximum discrete re- maximum discrete re- proposed Response C/ 120B SC 120B.1 Dawe, Piers Comment Type TR C2C CDAUI-16 is sup FEC protected. Here recommendation. Al- to nail down where the (both sides!) but the 1 4 and causing trouble	um number of instances with a flectance of -45 dB shall be for flectance of -45 dB shall not ex <i>Response Status</i> O <i>P</i> 230 Mellanox <i>Comment Status</i> D pposed to be re-used C2C CAL there is a "shall" for AC coupli so, if we leave this "shall" apply the coupling is: TX Rx or channe PICS seems to apply it to every	L 2 JI-4 but easier bung cutoff while ir ving to the AC co I. Fig 120B-2 sh	# 65 # 65 ecause we know it's n 83D there isn't even a pupling, we would have nows it in the channel	an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measurineed to measure jitte Proposed Response C/ 120D SC 120D.3 Dawe, Piers Comment Type T There are surprisinglito this. SuggestedRemedy Might be better to po	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji er for all three sub <i>Response St</i> .1.1 <i>Comment S</i> ly many reference int to the equivale	d "Clock dete .3.12.6.1 use: h extrapolatic J Jitter (or J5), itter, QPRBS3 o-eyes or just f <i>tatus</i> O P 244 Mellanox <i>tatus</i> D es to Clause 9 ent items in 83	s a real-time scoon. , which are direct 31 if including co the middle one? <i>L</i> 7 4, which has a d 3D C2C CAUI-4	pe, an tly measurable, using rrelated jitter. Do we # <u>68</u> ifferent signalling rate (same architecturally,
SuggestedRemedy Change "The maximum maximum discrete re maximum discrete re Proposed Response Cl 120B SC 120B.1 Dawe, Piers Comment Type TR C2C CDAUI-16 is su FEC protected. Here recommendation. Al- to nail down where th (both sides!) but the 4 and causing trouble SuggestedRemedy	um number of instances with a flectance of -45 dB shall be for flectance of -45 dB shall not ex- <i>Response Status</i> O <i>P</i> 230 <i>Mellanox</i> <i>Comment Status</i> D pposed to be re-used C2C CAL e there is a "shall" for AC coupli so, if we leave this "shall" apply the coupling is: TX Rx or channe PICS seems to apply it to every e for no benefit.	L 2 JI-4 but easier bung cutoff while ir ving to the AC co I. Fig 120B-2 sh	# 65 # 65 ecause we know it's n 83D there isn't even a pupling, we would have nows it in the channel	an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measure need to measure jitte Proposed Response C/ 120D SC 120D.3 Dawe, Piers Comment Type T There are surprisingl to this. SuggestedRemedy Might be better to po dual-mode products	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji er for all three sub <i>Response St</i> .1.1 <i>Comment S</i> ly many reference wint to the equivale will be desired) or	d "Clock dete .3.12.6.1 use: th extrapolatic J Jitter (or J5), itter, QPRBS3 o-eyes or just f <i>tatus</i> O P 244 Mellanox <i>itatus</i> D es to Clause 9 ent items in 83 r 802.3by (ver	s a real-time scoon. which are direct 31 if including co the middle one? <i>L</i> 7 4, which has a d 3D C2C CAUI-4 y similar signallii	pe, an ily measurable, using rrelated jitter. Do we # 68 ifferent signalling rate (same architecturally, ng rate, recently
SuggestedRemedy Change "The maximum maximum discrete re maximum discrete re Proposed Response CI 120B SC 120B.1 Dawe, Piers Comment Type TR C2C CDAUI-16 is su FEC protected. Here recommendation. Al- to nail down where th (both sides!) but the 4 and causing trouble SuggestedRemedy	um number of instances with a flectance of -45 dB shall be for flectance of -45 dB shall not ex <i>Response Status</i> O <i>P</i> 230 Mellanox <i>Comment Status</i> D pposed to be re-used C2C CAL there is a "shall" for AC coupli so, if we leave this "shall" apply he coupling is: TX Rx or channe PICS seems to apply it to every	L 2 JI-4 but easier bung cutoff while ir ving to the AC co I. Fig 120B-2 sh	# 65 # 65 ecause we know it's n 83D there isn't even a pupling, we would have nows it in the channel	an accessible clock, unrepresentative pat SuggestedRemedy Specify J2 Jitter (or F QPRBS13 if measurineed to measure jitte Proposed Response C/ 120D SC 120D.3 Dawe, Piers Comment Type T There are surprisinglito this. SuggestedRemedy Might be better to po	the method of 94 tern, and too muc RMS jitter) and J4 ing uncorrelated ji er for all three sub <i>Response St</i> .1.1 <i>Comment S</i> ly many reference wint to the equivale will be desired) or	d "Clock dete .3.12.6.1 use: th extrapolatic J Jitter (or J5), itter, QPRBS3 o-eyes or just f <i>tatus</i> O P 244 Mellanox <i>itatus</i> D es to Clause 9 ent items in 83 r 802.3by (ver	s a real-time scoon. which are direct 31 if including co the middle one? <i>L</i> 7 4, which has a d 3D C2C CAUI-4 y similar signallii	pe, an ily measurable, using rrelated jitter. Do we # 68 ifferent signalling rate (same architecturally, ng rate, recently

C/ 120D SC 120D.3.2	2.1 <i>P</i> 247	L 3	# 69	C/ 120E	SC 120E.1	P2:	54	L 53	# <u>7</u> 2
Dawe, Piers	Mellanox			Dawe, Piers	6	Mellar	nox		
Comment Type ER	Comment Status D			Comment 7	ype TR	Comment Status	D		
"Subclause reference' brevity SuggestedRemedy	' - but some of these are sub-a	innexes, and fo	r consistency and	shall be module	e less than 100 output. For n	ne low-frequency 3 dB) kHz". This is actually nodule input, this would	two requi	rements, for mely complication	nodule input and ted to measure and is
,	ence" as in e.g. Table 120D-1.			addres		s business: the module ncy effects, and the mo chooses.			
roposed Response	Response Status O			Suggestedl					
C/ 120D SC 120D.1	P 252	L 2	# 70	Remov	e this sentenc	e. Add whatever is appout. No need to add ar			
Dawe, Piers	Mellanox			Proposed F	Response	Response Status	0		
Comment Type T	Comment Status D								
coupling is: TX Rx or o	applying to the AC coupling, w channel. Fig 120D-2 shows it i his out looks like making work	n the channel (I	down where the both sides!) but it's not	C/ 120E Dawe, Piers	SC 120E.3.	2 P 20 Mellar		L 48	# 73
SuggestedRemedy				Comment 7	ype TR	Comment Status	D		
Change shall to shoul Proposed Response	d. Response Status O				re channel los: anyway.	s needs tweaking, eye	width, ES	MW and eye I	neight limits need
				Suggestedl	Remedy				
C/ 120E SC 120E.1	P 254	L 53	# 71			nel loss to be consister view, and if we can, im			get in 120E.1, allowi
Dawe, Piers	Mellanox			Proposed F	Response	Response Status	0		
Comment Type TR	Comment Status D								
shall be less than 100	e low-frequency 3 dB cutoff of kHz". This is actually two requodule output, it is not obvious	uirements, for n	nodule input and	<i>Cl</i> 120E Dawe, Piers	SC 120E.3.	2.1.1 P 20 Mellar		L 32	# 74
	easure it (unlike a passive char not even have a recommenda		ends are accessible).	Comment 7		Comment Status			ata kathart lawaa d
uggestedRemedy						this 64-entry table see th may be caused by h			cts doth at low and
	e. In 120E.3.2, CDAUI-8 modu			Suggestedl	•		. ,		
dB cutoff of the output Proposed Response	AC-coupling within the module Response Status O	e snouid*^^ b	e less than 100 kHz."			nd eye, replace table v del in COM (93A.1.2.3)		ula e.g. a sim	olification of the
				Proposed F	Response	Response Status	0		

C/ 120E SC 120E.3.3.3 P 265 L 25 # 75 Dawe, Piers Mellanox	C/ 120E SC 120E.3.4.1.1 P 267 L 54 # 78 Dawe, Piers Mellanox
Comment Type E Comment Status D Input tolerance isn't really defined in the little Table 120E-6, it takes a lot more than that.	Comment Type E Comment Status D Nine lines of repetition.
SuggestedRemedy Change "defined in " to "defined by" or "specified by". Also 120E.3.4.1. Proposed Response Response Status O	SuggestedRemedy Delete "Bounded uncorrelated jitter provides below the upper frequency limit of the pattern generator external modulator input." Change "Random jitter and bounded uncorrelated jitter are added" to "Random jitter and bounded uncorrelated jitter (see 120E.3.3.3.1) are added".
C/ 120E SC 120E.3.3.3.1 P 266 L 36 # 76 Dawe, Piers Mellanox	Proposed Response Response Status O
Comment Type E Comment Status D	C/ 120E SC 120E.4.2 P 269 L 48 # 79
Use consistent terminology; the bounded jitter PRBS isn't data anyway. Two sentences could be joined together to make it clearer which we are talking about, 25G signal or ~2.5G	Dawe, Piers Mellanox
jitter generator. Makes the text a bit shorter, but inserting "e.g." for clarity.	Comment Type T Comment Status D
SuggestedRemedy	If it takes 4 million UI equivalent to get to 1e-6, 2 CDFs in each direction, I believe it will take 1.2 million to get to 1e-5, 6 CDFs in each direction.
Change "The PRBS pattern length should be between PRBS7 and PRBS9. The data rate	
should be approximately 1/10 of the stressed pattern signaling rate (2.65625 GBd)." to	SuggestedRemedy Change "400 thousand" to "1.2 million" or if the style giude tells us to, "1 200 000".
	SuggestedRemedy Change "400 thousand" to "1.2 million" or if the style giude tells us to, "1 200 000".
should be approximately 1/10 of the stressed pattern signaling rate (2.65625 GBd)." to "The PRBS pattern length should be between PRBS7 and PRBS9 with a signaling rate	SuggestedRemedy
should be approximately 1/10 of the stressed pattern signaling rate (2.65625 GBd)." to "The PRBS pattern length should be between PRBS7 and PRBS9 with a signaling rate approximately 1/10 of the stressed pattern signaling rate (e.g. 2.65625 GBd)." Proposed Response Response Status O C/ 120E SC 120E.3.3.3.1 P 266 L 42 # 77	SuggestedRemedy Change "400 thousand" to "1.2 million" or if the style giude tells us to, "1 200 000".
should be approximately 1/10 of the stressed pattern signaling rate (2.65625 GBd)." to "The PRBS pattern length should be between PRBS7 and PRBS9 with a signaling rate approximately 1/10 of the stressed pattern signaling rate (e.g. 2.65625 GBd)." Proposed Response Response Status O C/ 120E SC 120E.3.3.3.1 P 266 L 42 # 77 Dawe, Piers Mellanox	SuggestedRemedy Change "400 thousand" to "1.2 million" or if the style giude tells us to, "1 200 000". Proposed Response Response Status Cl 120E SC 120E.4.2 P 269 L 10 # 80
should be approximately 1/10 of the stressed pattern signaling rate (2.65625 GBd)." to "The PRBS pattern length should be between PRBS7 and PRBS9 with a signaling rate approximately 1/10 of the stressed pattern signaling rate (e.g. 2.65625 GBd)." Proposed Response Response Status O C/ 120E SC 120E.3.3.3.1 P 266 L 42 # 77 Dawe, Piers Mellanox D Setting the pattern generator to the CDAUI-8 C2C output jitter profile given in Table 120D-1 then adding RJ to get to the EW spec implies a lot of RJ and very little BUJ - seems an untypical case, not the best one for testing with.	SuggestedRemedy Change "400 thousand" to "1.2 million" or if the style giude tells us to, "1 200 000". Proposed Response Response Status O Cl 120E SC 120E.4.2 P 269 L 10 # 80 Dawe, Piers Mellanox Comment Type T Comment Status D I wonder if we are making the module output test pay too much attention to state of emphasis rather than signal quality, bearing in mind that a host receiver probably has m than one degree of freedom, even though a full C2C CDAUI-8 receiver is not necessary. The method in the draft relies on real hosts having channels like the software channel in
should be approximately 1/10 of the stressed pattern signaling rate (2.65625 GBd)." to "The PRBS pattern length should be between PRBS7 and PRBS9 with a signaling rate approximately 1/10 of the stressed pattern signaling rate (e.g. 2.65625 GBd)." Proposed Response Response Status O C/ 120E SC 120E.3.3.3.1 P 266 L 42 # 77 Dawe, Piers Mellanox Comment Type T Comment Status D Setting the pattern generator to the CDAUI-8 C2C output jitter profile given in Table 120D-1 then adding RJ to get to the EW spec implies a lot of RJ and very little BUJ - seems an untypical case, not the best one for testing with. SuggestedRemedy	SuggestedRemedy Change "400 thousand" to "1.2 million" or if the style giude tells us to, "1 200 000". Proposed Response Response Status O Cl 120E SC 120E.4.2 P 269 L 10 # 80 Dawe, Piers Mellanox Comment Type T Comment Status D I wonder if we are making the module output test pay too much attention to state of emphasis rather than signal quality, bearing in mind that a host receiver probably has m than one degree of freedom, even though a full C2C CDAUI-8 receiver is not necessary. The method in the draft relies on real hosts having channels like the software channel in the draft, and I don't know that that's reasonable to the accuracy implied.
should be approximately 1/10 of the stressed pattern signaling rate (2.65625 GBd)." to "The PRBS pattern length should be between PRBS7 and PRBS9 with a signaling rate approximately 1/10 of the stressed pattern signaling rate (e.g. 2.65625 GBd)." Proposed Response Response Status O C/ 120E SC 120E.3.3.3.1 P 266 L 42 # 77 Dawe, Piers Mellanox Comment Type T Comment Status D Setting the pattern generator to the CDAUI-8 C2C output jitter profile given in Table 120D-1 then adding RJ to get to the EW spec implies a lot of RJ and very little BUJ - seems an	SuggestedRemedy Change "400 thousand" to "1.2 million" or if the style giude tells us to, "1 200 000". Proposed Response Response Status O Cl 120E SC 120E.4.2 P 269 L 10 # 80 Dawe, Piers Mellanox Comment Type T Comment Status D I wonder if we are making the module output test pay too much attention to state of emphasis rather than signal quality, bearing in mind that a host receiver probably has m than one degree of freedom, even though a full C2C CDAUI-8 receiver is not necessary. The method in the draft relies on real hosts having channels like the software channel in
should be approximately 1/10 of the stressed pattern signaling rate (2.65625 GBd)." to "The PRBS pattern length should be between PRBS7 and PRBS9 with a signaling rate approximately 1/10 of the stressed pattern signaling rate (e.g. 2.65625 GBd)." Proposed Response Response Status O C/ 120E SC 120E.3.3.3.1 P 266 L 42 # 77 Dawe, Piers Mellanox Comment Type T Comment Status D Setting the pattern generator to the CDAUI-8 C2C output jitter profile given in Table 120D-1 then adding RJ to get to the EW spec implies a lot of RJ and very little BUJ - seems an untypical case, not the best one for testing with. SuggestedRemedy When we have a jitter spec for 120D, consider using a little more high probability jitter here	SuggestedRemedy Change "400 thousand" to "1.2 million" or if the style giude tells us to, "1 200 000". Proposed Response Response Status O Cl 120E SC 120E.4.2 P 269 L 10 # 80 Dawe, Piers Mellanox Comment Type T Comment Status D I wonder if we are making the module output test pay too much attention to state of emphasis rather than signal quality, bearing in mind that a host receiver probably has m than one degree of freedom, even though a full C2C CDAUI-8 receiver is not necessary. The method in the draft relies on real hosts having channels like the software channel in the draft, and I don't know that that's reasonable to the accuracy implied. SuggestedRemedy

Cl 120E SC 120E.4.2 P 269 Dawe, Piers Mellanox	L 17	# 81	C/ 123 SC 123.7.1 Liu, Hai-Feng	P 199 Intel Corp	L 41	# 84
Comment Type T Comment Status D at time TCmid SuggestedRemedy			reflections (assuming the	Comment Status D n loss tolerance is determined hey are in phase) in the link a nce defined with maximum lin	at TP2 when the l	ink loss is at
Should be "within 0.025 UI of time Tcmid" as in s	tep 5. Also in step	7.	SuggestedRemedy			
Proposed Response Response Status O				te max ORL tolerance with ze ey would be 17.8 dB for FR8 seting for details.		
C/ 122 SC 122.8.7 P 181 Liu, Hai-Feng Intel Corp	L 29	# 82	Proposed Response	Response Status O		
Comment Type T Comment Status D The ORL should be consistent with that in Sub-cl	ause 122.7.1		<i>Cl</i> 123 <i>SC</i> 123.8.5.1 Liu, Hai-Feng	P 203 Intel Corp	L 35 &	# 85
SuggestedRemedy Change the ORL to 22.8 dB Proposed Response Response Status O			Comment Type T These ORLs for TDP te tolerance above.	Comment Status D esting have been considered	the same at the r	maximum ORL
C/ 122 SC 122.10 P 183	L 47	# 83	SuggestedRemedy Suggest to revisit this v Proposed Response	when TDEC is finalized		
Liu, Hai-Feng Intel Corp						
Liu, Hai-Feng Intel Corp Comment Type T Comment Status D It seems this 39dB channel ORL is calcualated b reflections from 4 MPO connectors. Not sure wh			<i>Cl</i> 123 SC 123.8.7 Liu, Hai-Feng	P 204 Intel Corp	L 15	# 86
Liu, Hai-Feng Intel Corp Comment Type T Comment Status D It seems this 39dB channel ORL is calcualated b reflections from 4 MPO connectors. Not sure wh	y the ORL is calculation this ORL, or change	ated differently here.	C/ 123 SC 123.8.7 Liu, Hai-Feng Comment Type T	P 204	-	# 86
Liu, Hai-Feng Intel Corp Comment Type T Comment Status D It seems this 39dB channel ORL is calcualated b reflections from 4 MPO connectors. Not sure wh SuggestedRemedy Provide jusification of doing intensity addition for	y the ORL is calculation this ORL, or change	ated differently here.	C/ 123 SC 123.8.7 Liu, Hai-Feng Comment Type T	P 204 Intel Corp Comment Status D stent with that in Sub-clause 1	-	# 86

C/ 123	SC 123.10	P 207	L 39	# <u>8</u> 7
Liu, Hai-Fe	eng	Intel Corp		
	ns the channel (Comment Status D DRLs are calcualated by the ir he links. Not sure why they ar		
	e jusification of	doing intensity addition for the dition (would be 22.1 dB for F		
Proposed I	Response	Response Status O		
<i>Cl</i> 122 Liu, Hai-Fe	SC 122.7.1	P 177 Intel Corp	L 34	# 88
Comment	Туре Т	Comment Status D		
reflecti minimu Suggested	ions (assuming um. ORL tolera IRemedy	n loss tolerance is determined they are in phase) in the link a nce defined with maximum lin	t TP2 when the k loss will not co	link loss is at over the worst case.
reflecti minimu Suggested Recom minimu	ions (assuming um. ORL tolera <i>IRemedy</i> nmend to calcula	they are in phase) in the link a	t TP2 when the k loss will not co ero link loss in th	link loss is at over the worst case. ne lack of agreed
reflecti minimu Suggested Recom minimu	ions (assuming um. ORL tolera <i>Remedy</i> nmend to calcul- um link loss. It ig for details.	they are in phase) in the link a nce defined with maximum lin ate max ORL tolerance with ze	t TP2 when the k loss will not co ero link loss in th	link loss is at over the worst case. ne lack of agreed
reflecti minimu Suggested Recom minimu meetin	ions (assuming um. ORL tolera <i>Remedy</i> mmend to calcula um link loss. It ig for details. <i>Response</i> SC 122.8.5 .	they are in phase) in the link a nce defined with maximum lin ate max ORL tolerance with ze would be 22.8 dB for DR4 link <i>Response Status</i> O	t TP2 when the k loss will not co ero link loss in th	link loss is at over the worst case. ne lack of agreed
reflecti minimu Suggested Recom minimu meetin Proposed I Cl 122 Liu, Hai-Fe Comment	ions (assuming um. ORL tolera <i>Remedy</i> mend to calcul- um link loss. It ig for details. <i>Response</i> SC 122.8.5. ang <i>Type</i> T RL for TDP test	they are in phase) in the link a nce defined with maximum lin ate max ORL tolerance with ze would be 22.8 dB for DR4 link <i>Response Status</i> O	t TP2 when the k loss will not co ero link loss in th s. Plan to make	link loss is at over the worst case. The lack of agreed the a presentation at May # 89
reflecti minimu Suggested Recom minimu meetin Proposed I Cl 122 Liu, Hai-Fe Comment This O above. Suggested	ions (assuming um. ORL tolera <i>Remedy</i> mmend to calcul- um link loss. It ig for details. <i>Response</i> <i>SC</i> 122.8.5 . eng <i>Type</i> T <i>RL</i> for TDP test	they are in phase) in the link a nce defined with maximum lin ate max ORL tolerance with ze would be 22.8 dB for DR4 link <i>Response Status</i> O I <i>P</i> 180 Intel Corp <i>Comment Status</i> D	t TP2 when the k loss will not co ero link loss in th s. Plan to make <i>L</i> 51 same at the max	link loss is at over the worst case. The lack of agreed a presentation at May # <u>89</u>