C/ 122 SC 122.7 P 245 L 1 # 1 King, Jonathan Finisar	C/ 120E SC 120E.3.3.3 P 364 L 36 # 2 Szczepanek, Andre Inphi
Comment Type TR Comment Status X Revised Transmitter parameters for 200GBASE-LR and -FR, were agreed in the June 7th smf ad hoc (see Cole_01a_0616_smf), these should be incorporated into the draft in the relevant transmitter parameter Tables. There are consequent changes to the receiver parameters SuggestedRemedy	Comment Type E Comment Status X Table 120E-5 duplicates the "Far-end ESMW" and "Far-end Eye Width" parameter values from Table 120E-3. It would be more definitive if Table 120E-3 was referenced, rather than values duplicated. SuggestedRemedy Replace explicit parameter values for "Far-end ESMW" and "Far-end Eye Width" parameters in Table 120E-5 with references to Table 120E-3
In Table 122-9: In the row 'Total average launch power (max)', replace '11.2' and '11.7' with '10.7' and '11.3' respectively.	Proposed Response Response Status O
In the 'Outer Optical Modulation Amplitude (OMAouter), each lane (max)', replace '5' and '5.5' with '4.5' and '5.1' respectively.	C/ 120D SC 120D.3.1.1 P 343 L 43 # 3 Szczepanek, Andre Inphi
In the row 'Difference in launch power between any two lanes (OMAouter) (max)', replace '4.4' with '4' (in both columns).	Comment Type ER Comment Status X Remove redundant Editors note
In Table 122-10: In the row 'Difference in launch power between any two lanes (OMAouter) (max)', replace '4.4' with '4' (in both columns).	SuggestedRemedy Remove redundant Editors note Proposed Response Response Status O
In Table 122-11: In the row 'Receive power, each lane (OMAouter) (max)', replace '5' and '5.5' with '4.5' and '5.1' respectively. In the row 'Difference in receive power between any two lanes (OMAouter)	C/ 120E SC 120E.3.3.2 P 363 L 21 # 4 Szczepanek, Andre Inphi In
(max)' replace '4.5' and '4.6' with '4.1' and '4.2' respectively. In the Table 122-12: In the row 'Difference in receive power between any two lanes (OMAouter) (max)' replace '4.5' and '4.9' with '4.1' and '4.5' respectively.	Comment Type ER Comment Status X This sub-clause is no longer referenced and should be removed. Note this was discussed on the 13th June Electrical ad hoc call where it received no objections.
roposed Response Response Status O	SuggestedRemedy Remove sub-clause 120E.3.3.2
	Proposed Response Response Status O

7 124 SC 124.7.1	Р	L	# 5	C/ 118 SC 1	18.1	P 124	L 30	# <u>7</u>
ling, Jonathan	Finisar			Anslow, Pete		Ciena		
Comment Type E The parameter description power' description is odd	Comment Status X ons in Table 124-7 could do d man out.	o with being ha	rmonized - the 'Receive	Comment Type In the left hand CCMII Extende		Comment Status X f Figure 118-1, "Optional CDI	MII Extender" sl	nould be "Optional
SuggestedRemedy Change 'Receive power to 'Receive power (OMA	, each lane (OMAouter) (ma	ax)'		change "PCS"	in the le	vith Figures 120A-6, 120B-1, ft hand stack to "200 Gb/s P0 ght hand stack to "400 Gb/s P	CS"	I, and 120D-2:
Similarly, in Table 122-1					onal CDN	III Extender" in the left hand s		nal CCMII Extender"
	mples in other clauses, so	response shou	Id be 'with editorial			ft hand stack to "200 Gb/s P(ght hand stack to "400 Gb/s F		
licence') Proposed Response	Response Status O			Proposed Respons	se	Response Status O		
C/ 124 SC 124.7.1	P 291 Finisar	L 1	# 6	Cl 4 SC 4 Anslow, Pete	1.4.2	P 35 Ciena	L 14	# 8
	Comment Status X specs for 400GBASE-DR4 Tx_OMA-TDECQ spec is d			SuggestedRemedy	v Č	Comment Status X Sponsor ballot) is modifying able 4-2 with respect to the v		302.3bz draft.
also Increase OMAouter (ma Increase OMAouter (mir Increase Average launcl	CQ from -1.3dBm to 0dBm x) from 4.2dBm to 5.5dBm n) from -0.3dBm to 1dBm h power (max) from 4dBm t h power (min) from -5.4dBn			Proposed Respons	se	Response Status 0		
also Increase 'Stressed recei 0.6dB; Increase 'Receive powe Increase 'Average receiv Increase 'Average receiv	tivity (OMAinner), each land iver sensitivity (OMAouter), r, each lane, OMAouter (ma ve power, each lane (max)' ve power, each lane (min)' f each aggressor lane' from 4 <i>Response Status</i> 0	each lane (ma ax)' from 4.2dB from 4dBm to from -2.4dBm to	ax)' from -1.9dBm to - 8m to 5.5dBm; 5.3dBm; to -1.1dB;					

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/ 120B SC 120B	<i>P</i> 327 Ciena	L 53	# 9	C/ 119 SC 119.2.4.7 Koehler, Daniel	P 154 MorethanIP	L 30	# 11
,	Comment Status X as agreed to set the CRU rg/3/bs/public/16_03/ansled d Annex 120C reference A idth of 10 MHz .3.1: "— The high-pass filt ency of 4 MHz." .3.2: "— The Applied pk-p ng to Table 87-13."	ow_3bs_04_0316 Annex 83D and A ter used for the ji k sinusoidal jitte	B.pdf nnex 83E, respectively tter measurements in r for Test 1 and Test 2	Comment Type T The distribution shown lanes (see my 2nd con SuggestedRemedy Change sentence to	Comment Status X is the 400G over 16 lanes, wh ment on adding it for 200G). codewords for 400GBASE-R I Response Status O	·	
corner frequency is 4 MHz Add an exception to 120C In 120C.3.3, change the e sinusoidal jitter in Table 83 In 120C.3.4, change the e sinusoidal jitter in Table 83 Proposed Response	.3.2: "— The clock recove xceptions to a dashed list 3E-5 is according to Table xceptions to a dashed list	and add: "— Th e 87-13." and add: "— Th	ne Applied pk-pk	be mentioned (or comb SuggestedRemedy Add the 200G over 8 la The interleaving of two	MorethanIP Comment Status X in does not apply to 200G over bined). ane distribution similar as e.g.: codewords for 200GBASE-R I		
C/ 00 SC 0 Inslow, Pete Comment Type T Clause 90 lists MII interfac SuggestedRemedy	P Ciena Comment Status X ces for Time Sync.	L	# 10	For all k=0 to 135 For all j=0 to 3 if even(k) tx_out<8k+2j> = cA<54 tx_out<8k+2j+1> = cB else tx_out<8k+2j> = cB<54 tx_out<8k+2j> = cB<54	<543-4k-j> 13-4k-j>		

C/ 124 SC 124.8.5 P 294 L 44 # 13	C/ 119A SC P 312 L 1 # 15
Mazzini, Marco Cisco	Dillard, John Microsemi
Comment Type T Comment Status X Implementing TDECQ conformance test set-up with real-time scope can limit the bandwidth because an external O/E is needed. Simulation of optimized solutions show a 3dB bandwidth lower than current 38.68GHz. For this, the value of combination of the O/E converter and the oscilloscope filter response bandwidth should be reduced to take into account real-time implementation. From first analysis and available hardware, seems a reasonable minimum value closer to 33GHz rather than 38.68GHz.	Comment Type E Comment Status X the title of tables 119a-1 and 119a-2 should use the term "alignment marker group" instead of just "alignment marker" as the group includes pad+tx_am_sf SuggestedRemedy the title of tables 119a-1 and 119a-2 should use the term "alignment marker group" instead of just "alignment marker" as the group includes pad+tx_am_sf Proposed Response Response Status O
SuggestedRemedy	
From "The combination of the O/E converter and the oscilloscope has a fourth-order Bessel-Thomson filter response with a bandwidth of 38.68 GHz" to "The combination of the O/E converter and the oscilloscope has a fourth-order Bessel-Thomson filter response with a minimum bandwidth of 33 GHz".	C/ 119A SC P 312 L 3 # 16 Dillard, John Microsemi
Proposed Response Response Status O	Comment Type T Comment Status X Tables 119A-1, -3, and -4 (200G) are empty and tables 119A-2, -5, and -6 (400G) are now incorrect as they do not include tx_am_sf
C/ 124 SC 124.8.5 P 294 L # 14	SuggestedRemedy
Mazzini, Marco Cisco Comment Type T Comment Status X	Update the tables with the content I will provide. The content will reflect the data patterns assuming the FEC degrade function is not implemented (i.e. tx_am_sf<2:0>=000) and the text should be updated to indicate that.
TDECQ reference equalizer for 400GBASE-DR4 is not defined. All other PMDs have a defined 5 taps T/2 spaced FFE.	Proposed Response Response Status O
SuggestedRemedy	
Add a dedicated paragraph "TDECQ reference equalizer". Because the reduced bandwidth of the TDECQ tester for 400GBASE-DR4, a realistic reference equalizer for 400GBASE-DR4 should be a 7 tap, T spaced, feed-forward	Cl 118 SC 118.2.1 P 125 L 54 # 17 Dillard, John Microsemi
equalizer (FFE). Proposed Response Response Status O	Comment Type T Comment Status X (also clause 119)
	The 3rd bit of tx_am_sf (always set to 0) I assume is space holder for future use. This is potentially useful, especially since, otherwise, it would be filled in with prbs making future similar enhancements incompatible with legacy silicon. The question is: why (only) 3 bits for this field?
	SuggestedRemedy
	Suggest expanding tx_am_sf to 4 or 8 bits, possibly with fixed dc-balanced default values.
	Suggest expanding tx_ant_si to 4 or 5 bits, possibly with fixed dc-balanced default values.

Cl 119 SC 119.2.4.7 P 154 Dillard, John Microsemi	L 33	# <u>1</u> 8	<i>Cl</i> 121 SC 121.8.5.4 Ghiasi, Ali		222 L si Quantum LLC	14 # 21
Comment Type T Comment Status X			Comment Type TR	Comment Status	X	
If I'm not mistaken, the symbol distribution procedure 400G.	shown on lines 3	4-39 is only valid for	Need to better docume	ent attributes of the 5	5 tap T/2 FFE	
SuggestedRemedy			SuggestedRemedy			
Add a 200G procedure, such as: for all k=0 to 136			We can start with som Sum(C(1), C(2), C(3), Sum(C(1), C(2), C(3),	C(4))min = -0.4	e it C(0)min=0.6	3
for all j=0 to 3 if (even(k)) tx_out<8k+2j> = cA<543-4k-j> tx_out<8k+2j+1> = cB<543-4k-j>			Proposed Response	Response Status	0	
else			C/ 122 SC 122.8.5.1	1 P 2	252 L	2 # 22
tx_out<8k+2j> = cB<543-4k-j> tx_out<8k+2j+1> = cA<543-4k-j>			Ghiasi, Ali	Ghia	si Quantum LLC	
or something like that			Comment Type TR Capture complete patte	Comment Status	: X	
Proposed Response Response Status O			SuggestedRemedy			
					cope should read	d " capture real time data
	<i>L</i> 9 n LLC	# 19	To support booth samp sequence or sampled of Proposed Response			d " capture real time data
	-	# 19	sequence or sampled	data sequence"		d " capture real time data
Ghiasi, Ali Ghiasi Quantum	-	# 19	sequence or sampled	data sequence" Response Status		
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern	-	# 19	sequence or sampled of Proposed Response	data sequence" Response Status P 2	0	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern	n LLC		sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR	data sequence" Response Status P 2 Ghia: Comment Status	O 253 L si Quantum LLC s X	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern SuggestedRemedy To support booth sampling and real time scope should sequence or sampled data sequence"	n LLC		sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR Need to better docume	data sequence" Response Status P 2 Ghia: Comment Status	O 253 L si Quantum LLC s X	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern SuggestedRemedy To support booth sampling and real time scope should sequence or sampled data sequence"	n LLC		sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR Need to better docume SuggestedRemedy	data sequence" Response Status P 2 Ghia: Comment Status ent attributes of the 5	O 253 L si Quantum LLC S X 5 tap T/2 FFE	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern SuggestedRemedy To support booth sampling and real time scope should sequence or sampled data sequence" Proposed Response Response Status O	n LLC d read " capture r	real time data	sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR Need to better docume SuggestedRemedy We can start with som Sum(C(1), C(2), C(3), f	data sequence" Response Status P 2 Ghia: Comment Status ent attributes of the 5 nething like then refine C(4))min = -0.4	O 253 L si Quantum LLC S X 5 tap T/2 FFE	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern SuggestedRemedy Support booth sampling and real time scope should sequence or sampled data sequence Proposed Response Response Status O C/ 120 SC 120.8.5.3 P 220	d read " capture n		sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR Need to better docume SuggestedRemedy We can start with som Sum(C(1), C(2), C(3), Sum(C(1), C(2), C(3),	data sequence" <i>Response Status</i> <i>P</i> 2 Ghia: <i>Comment Status</i> ent attributes of the 5 nething like then refine C(4))min = -0.4 C(4))max = 0	O 253 L si Quantum LLC 5 X 5 tap T/2 FFE e it C(0)min=0.6	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern SuggestedRemedy To support booth sampling and real time scope should sequence or sampled data sequence" Proposed Response Response Status O Cl 120 SC 120.8.5.3 P 220 Ghiasi, Ali Ghiasi Quantum	d read " capture n	real time data	sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR Need to better docume SuggestedRemedy We can start with som Sum(C(1), C(2), C(3), f	data sequence" Response Status P 2 Ghia: Comment Status ent attributes of the 5 nething like then refine C(4))min = -0.4	O 253 L si Quantum LLC 5 X 5 tap T/2 FFE e it C(0)min=0.6	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern SuggestedRemedy To support booth sampling and real time scope should sequence or sampled data sequence" Proposed Response Response Status O Cl 120 SC 120.8.5.3 P 220 Ghiasi, Ali Ghiasi Quantum	d read " capture n	real time data	sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR Need to better docume SuggestedRemedy We can start with som Sum(C(1), C(2), C(3), Sum(C(1), C(2), C(3),	data sequence" <i>Response Status</i> <i>P</i> 2 Ghia: <i>Comment Status</i> ent attributes of the 5 nething like then refine C(4))min = -0.4 C(4))max = 0	O 253 L si Quantum LLC 5 X 5 tap T/2 FFE e it C(0)min=0.6	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern SuggestedRemedy X X To support booth sampling and real time scope should sequence or sampled data sequence" Proposed Response Response Status O Cl 120 SC 120.8.5.3 P 220 C Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X There is no requirements on capture record length There is no requirements on capture record length X	d read " capture n	real time data	sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR Need to better docume SuggestedRemedy We can start with som Sum(C(1), C(2), C(3), Sum(C(1), C(2), C(3),	data sequence" <i>Response Status</i> <i>P</i> 2 Ghia: <i>Comment Status</i> ent attributes of the 5 nething like then refine C(4))min = -0.4 C(4))max = 0	O 253 L si Quantum LLC 5 X 5 tap T/2 FFE e it C(0)min=0.6	8 # <u>23</u>
Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X Capture complete pattern SuggestedRemedy X X To support booth sampling and real time scope should sequence or sampled data sequence" O Proposed Response Response Status O Cl 120 SC 120.8.5.3 P 220 Ghiasi, Ali Ghiasi Quantum Comment Type TR Comment Status X	d read " capture r	real time data	sequence or sampled of Proposed Response Cl 122 SC 122.8.6 Ghiasi, Ali Comment Type TR Need to better docume SuggestedRemedy We can start with som Sum(C(1), C(2), C(3), Sum(C(1), C(2), C(3),	data sequence" <i>Response Status</i> <i>P</i> 2 Ghia: <i>Comment Status</i> ent attributes of the 5 nething like then refine C(4))min = -0.4 C(4))max = 0	O 253 L si Quantum LLC 5 X 5 tap T/2 FFE e it C(0)min=0.6	8 # <u>23</u>

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/ 124 SC 124.8.5	P 294	L 40	# 24	C/ 120e	SC 120e.3.3	3.3.1	P 364	L 52	# 27
Ghiasi, Ali	Ghiasi Quant	um LLC		Ghiasi, Ali			Ghiasi Quant	um LLC	
Comment Type TR	Comment Status X			Comment 7	<i>уре</i> т	Commer	nt Status X		
Need to add Baud pe	riod for the FFE to the list of e	xcpetion						sed for the host s	stressed input test is
SuggestedRemedy				Ũ		, is not clear	on the intention.		
Please add - FFE T/2	with Baudperiod as defined in	table 124-6.		Suggested	,				
Proposed Response	Response Status O			given ir amplitu	table 120e-6.	As the frequ	ency of the applie such as random j	ed sinusoidal is v	nput sinusoidal jitter is aried for given d jitter are adjusted to
Cl 120D SC 120D.3. Ghiasi, Ali	1.1 <i>P</i> 342 Ghiasi Quant	<i>L</i> 51 um LLC	# 25	Proposed R	Response	Response	e Status O		
Comment Type TR	Comment Status X								
The effect of a single jitter, not clear on what	pole high pass filter with a 3 d at we are suggesting	B frequency of 4	MHz is applied to the	<i>Cl</i> 120e Ghiasi, Ali	SC 120e.3.4	l.1.1	P 366 Ghiasi Quant	<i>L</i> 52 um LLC	# 28
SuggestedRemedy				Comment 7	<i>уре</i> т	Commer	nt Status X		
	ith a single pole CRU with a 3	dB bandwidth of	4 MHz, where the	Need to	mention CRU	is 1st order			
CRU behave as a hig	h pass jitter filter.			Suggested	Remedy				
Proposed Response	Response Status O			add0	CRU with 1st o	rder respons	e and a corner		
				Proposed R	Response	Response	e Status O		
7 120e SC 120e.1	P 354	L 42	# 26						
Shiasi, Ali	Ghiasi Quant	um LLC			00.000		D / 44		
Comment Type TR	Comment Status X			Cl 116 Dawe, Piers	SC 116.1.3		P 102 Mellanox	L 47	# 29
Not very helpful to sta	te "Test methdology is similar	OIF-56G-VSR	.", I can see the benefit			-			
if it was identical and	CEI-04 was already published			Comment T	51		nt Status X		
uggestedRemedy					ayout and font.				
Suggest remvoing				Suggested					
Proposed Response	Response Status 0				ne right columr Also Table 1		e the left one nar	rower if needed.	Change to 9 point if

Cl 119 SC 119.2.3 P 142 L 3 # 30 Dawe, Piers Mellanox	C/ 119 SC 119.6.4.2 P 173 L 19 # <u>33</u> Dawe, Piers Mellanox
Comment Type E Comment Status X in this sentence, "This code is further modified by the transcoding and FEC that occurs in this PCS," it's not the 64B/66B code that is further modified, but the bit stream. SuggestedRemedy The signal to be transmitted / deliverd to the PMA is further modified by the transcoding and FEC that occurs in this PCS? Proposed Response Response Status O	Comment Type E Comment Status X Value/Comment for RF6 doesn't relate to the "shall" in the text (which is about the 60 ms to 75 ms blackout period). No need to write about the optionality of the feature: the Feature and Status columns tell the reader that. Too many words. SuggestedRemedy Rewrite the Value/Comment. Similarly for RF8, and see another comment. Might be better if these two options have rows in the 119.6.3 Major capabilities/options table. Proposed Response Response Status O
Cl 119 SC 119.2.5.3 P 158 L 21 # 31 Dawe, Piers Mellanox Comment Type E Comment Status X "will" is deprecated. Two paragraphs above we have "shall". SuggestedRemedy Change "will assert" to "shall assert" or "asserts". Proposed Response Response Status O	Cl 119 SC 119.6.4.5 P 175 L 1 # 34 Dawe, Piers Mellanox Comment Type E Comment Status X Alignment Markers - rogue capital. There are a few more. SuggestedRemedy Alignment markers Proposed Response Response Status O
Cl 119 SC 119.6.3 P 172 L 11 # 32 Dawe, Piers Mellanox Comment Type E Comment Status X This PCS must be either for 200GBASE-R or for 400GBASE-R. SuggestedRemedy Change status from O to 0.1, two rows Proposed Response Response Status O	Cl 119 SC 119.6.4.5 P 175 L 6 # 35 Dawe, Piers Mellanox Comment Type E Comment Status X This is supposed to be a standard (a specification) not a description. Should not say "section". SuggestedRemedy Change "as described in section 119.2.4.4" to "as in 119.2.4.4" or "according to in 119.2.4.4" or just "as specified"; or simplify to "periodically for each PCS lane": the subclause is already identified in the Subclause column. Similarly for AM2. Proposed Response Response Status O

C/ 119 SC 119.6.7 Dawe, Piers	P 175 Mellanox	L 42	# 36	C/ 120 SC 120.5.11.2.5 P 194 L 19 # 39 Dawe, Piers Mellanox
Comment Type E PCS Management - ro	Comment Status X gue capital			Comment Type E Comment Status X SSPRQ Test Pattern
SuggestedRemedy PCS management				SuggestedRemedy SSPRQ test pattern
Proposed Response	Response Status O			Proposed Response Response Status O
<i>Cl</i> 119 <i>SC</i> 119.3 Dawe, Piers	P 169 Mellanox	L 6	# 37	C/ 120 SC 120.6 P 195 L 21 # 40 Dawe, Piers Mellanox
nothing about it here. SuggestedRemedy Add this sentence from	Comment Status X ate access to PCS Manageme n 82.3: ed that an equivalent access		wided" but there is	Comment Type E Comment Status X "will" is deprecated. SuggestedRemedy Delete "will". Proposed Response Response Status O
Proposed Response	Response Status O			
Cl 119 SC 119.6.6.3 Dawe, Piers Comment Type E Rogue capitals	B P 176 Mellanox Comment Status X	L 42	# 38	C/ 120 SC 120.7.5 P 203 L 43 # 41 Dawe, Piers Mellanox Mellanox # 41 Comment Type E Comment Status X Table layout problem because LANES_UPSTREAM too long. Could use shorter variable names for LANES_DOWNSTREAM and LANES_UPSTREAM but better: SuggestedRemedy
SuggestedRemedy Change PCS Delay Co	onstraint to PCS delay constra	aint, twice		In the Major capabilities/options, create really short items e.g. U4, D16. Use these here. Adjust column widths.
Proposed Response	Response Status O			Proposed Response Response Status O

C/ 121 SC 121.7.2 P 216 L 27 # Dawe, Piers Mellanox	# 42	C/ 121 SC 121.8.5 Dawe, Piers	P 218 Mellanox	L 45	# 45
Comment Type E Comment Status X "SECQ and OMAouter of each aggressor lane" but there is no SECQ spec f lanes. If it means the SECQ of the lane under test, could use a comma or in		Comment Type E "may be part of the os	Comment Status X	has been mentior	ned yet.
lane(s) for SECQ or neither. It says two rows above that these are condition receiver sensitivity test. Table 95-7, 100GBASE-SR4 receive characteristics such a note. Table 86-8 does have a note, but not applied to aggressor land attaches the note to Conditions of stressed receiver sensitivity test: "These are for measuring stressed receiver sensitivity. They are not characteristics	ns of stressed s, doesn't have es. Table 95-7 test conditions	SuggestedRemedy may be part of an osc Proposed Response	illoscope Response Status O		
SuggestedRemedy Apply the note to the conditions row and change it to follow Table 95-7. Similarly in clauses 122, 124.		C/ 121 SC 121.8.5. Dawe, Piers	2 P 219 Mellanox	L 38	# 46
Proposed Response Response Status O			Comment Status X ere is no need to add loss to loss either, the TDEC metho		
C/ 121 SC 121.8.1 P 217 L 40 # Dawe, Piers Mellanox	# 43	SuggestedRemedy			
Comment Type E Comment Status X According to 1.4.303, Optical Modulation Amplitude has capitals.		Delete the "Insertion I Proposed Response	oss" column and note b. Response Status O		
SuggestedRemedy Change Optical modulation amplitude to Optical Modulation Amplitude, twice 121.8.5.3, twice in Table 122-15 and Table 124-10.	e here, in	C/ 121 SC 121.8.5.	2 P 219 Mellanox	L 42	# [47
Proposed Response Response Status O		Comment Type T	Comment Status X s isn't applied at TP2 (which is	s to the left of the	splitter), it's applied by
Cl 121 SC 121.8.5 P 218 L 44 # Dawe, Piers Mellanox	# 44	the variable reflector below the sp the channel from TP2	itter. The point is that the nu	mber of dB is def	fined as if looking into
Comment Type E Comment Status X		SuggestedRemedy			
"as measured through an optical to electrical converter (O/E) with a bandwic to a reference receiver, and equalized": "bandwidth equivalent to a combin receiver and worst case optical channel" in 95.8.5 made sense to to me, but	ned reference	Change "The optical r optical splitter." or delete the note.	eturn loss is applied at TP2"	to "As seen at TF	2 looking towards the
scope) with the right bandwidth IS a reference receiver. SuggestedRemedy as measured through a reference receiver and equalized		Proposed Response	Response Status O		
Proposed Response Response Status O					

C/ 121 SC 121.8.5.2 P 219 L 53 # 48 Dawe, Piers Mellanox	C/ 121 SC 121.8.5.3 P 220 L 19 # 51 Dawe, Piers Mellanox
Comment Type T Comment Status X (Near) repetition: the sentence at the top of the page is correct, "The channel provides an optical return loss specified in Table 121–11" isn't because in the figure, "Optical channel" is to the right of the splitter. The second sentence here is exactly the same as the second sentence on the page.	Comment Type E Comment Status X reconstructed? Has this eye diagram existed before? SuggestedRemedy Delete "reconstructed"
SuggestedRemedy	Proposed Response Response Status O
Delete these two sentences.	
Proposed Response Response Status O	C/ 121 SC 121.8.5.3 P 220 L 19 # 52 Dawe, Piers Mellanox
C/ 121 SC 121.8.5.3 P 220 L 13 # 49 Dawe, Piers Mellanox M	Comment Type E Comment Status X Eye diagrams come from waveforms or signals, not patterns (which are digital).
Comment Type T Comment Status X Optimizing the signal-to-noise ratio of the captured waveform is not minimizing the value of TDECQ (which is what p222 line 22 says), unless you use a definition of "signal" that isn't here. SuggestedRemedy	SuggestedRemedy Change "pattern" to "signal". Proposed Response Response Status O
Change "The reference equalizer (specified in 121.8.5.4) is used to optimize the signal-to- noise ratio of the captured waveform (to minimize the value of TDECQ)" to "The reference equalizer (specified in 121.8.5.4) is used to minimize the value of TDECQ".	C/ 121 SC 121.8.5.3 P 220 L 19 # 53 Dawe, Piers Mellanox
Proposed Response Response Status O	Comment Type T Comment Status X A real time sampling scope with reference equalizer doesn't capture an eye diagram directly. It might capture an unequalized waveform (not eye) in a non-standard frequency
C/ 121 SC 121.8.5.3 P 220 L 17 # 50 Dawe. Piers Mellanox	response: then there's a lot of calculation. It hardly matters if the equalizer is in the scope or not, and even if it is, some noise correction may be needed.
	SuggestedRemedy
They are all sampling oscilloscopes	Change "If a real time sampling scope is used, and the reference equalizer is implemented in the oscilloscope, then the oscilloscope can be set up to capture an eye diagram directly." to "If a real time sampling scope is used, this compensation may not be needed."
SuggestedRemedy Change "If a sampling oscilloscope is used" to "If an equivalent-time sampling oscilloscope is used".	Proposed Response Response Status O
Proposed Response Response Status O	

Cl 121 SC 121.8.5.3 P 220 L 19 # 54 Dawe, Piers Mellanox Mellanox Mellanox Mellanox Comment Type E Comment Status X Mellanox Mellanox Mellanox SuggestedRemedy More the sentence 'A reconstructed eye diagram needs to be formed. SuggestedRemedy SuggestedRemedy SuggestedRemedy Cl 121 SC 121.8.5.3 P 220 L 28 # 55 Cl 121 SC 121.8.5.3 P 220 L 28 # 55 Cl 121 SC 121.8.5.3 P 220 L 28 # 55 Comment Type E Comment Status X Duplication SuggestedRemedy Mellanox Contament Status X Parchations SuggestedRemedy Change '0.55 UI; each' Proposed Response Response Status O Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Dawe, Piers Mellanox O Comment Status X How much is 'the reference receiver '' Proposed Response Response Status O O Cl 121 SC 121.8.5.3 P 222 L 11 # 59 Dawe, Piers Mella								
Whichever scope is used, an eye diagram needs to be formed. Suggested/Remedy Move the sentence "A reconstructed eye diagram is formed from the optimally equalized captured pattern", after the one about a real-itome scope. Proposed Response Response Status O Cl 121 SC 121.8.5.3 P 220 L 28 # 55 Cl moment Type E Comment Type E Comment Status X Punctuation: these are two clauses. Suggested/Remedy Change "0.55 UI, each" Proposed Response Response Status O Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 <t< td=""><td></td><td></td><td>L 19</td><td># 54</td><td></td><td></td><td>L 29</td><td># <u>5</u>7</td></t<>			L 19	# 54			L 29	# <u>5</u> 7
Move the sentence ''A reconstructed eye diagram is formed from the optimally equalized captured pattern.'' after the one about a real-tione scope. Delete 'each of the histograms spans all of the modulation levels of the eye diagram, a filustrated in Figure 121-5.''. Join the next sentence onto this paragraph. Could mention for the paragraph. Could			be formed.			Comment Status X		
Dawe, Piers Mellanox Comment Type E Comment Status X Punctuation: these are two clauses. SuggestedRemedy Change *0.55 UI; each* O Cl 121 SC 121.8.5.3 P 221 L 37 # 58 Dawe, Piers Mellanox Change *0.55 UI; each* O Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Cl 121 SC 121.8.5.3 P 222 L 11 # 59 Dawe, Piers Mellanox O Cl 121 SC 121.8.5.3 P 222 L 11 # 59 Dawe, Piers Mellanox O Cl 121 SC 121.8.5.3 P 222 L 11 # 59 Dawe, Piers Mellanox O Comment Type E Comment Status X acach of the histograms spans SuggestedRemedy Cache Piers Mellanox Comment Type E Comment Status X The smallest size of sigmaG is found that makes the sum of the partial SERs equal the target SER of 4.8x10-4 for either left or right h	Move the sentence "A captured pattern." after	the one about a real-tiome s		optimally equalized	Delete "each of the hi illustrated in Figure 12 Figure 121-5 again.	21-5.". Join the next sentence		
Productuation: these are two cladses. SuggestedRemedy Change "0.55 UI, each" to "0.55 UI; each" Proposed Response Response Status O 121 SC 121.8.5.3 P 220 L 29 # 56 C/ 121 SC 121.8.5.3 P 220 L 29 # 56 C/ 121 SC 121.8.5.3 P 220 L 29 # 56 C/ 121 SC 121.8.5.3 P 222 L 11 # 59 pawe, Piers Mellanox O C/ 121 SC 121.8.5.3 P 222 L 11 # 59 Dawe, Piers Mellanox Comment Type E Comment Status X The smallest size of sigmaG is found that makes the sum of the partial SERs equal the target SER of 4.8x10-4 for either left or right histogram. SuggestedRemedy each of the histogram windows spans Proposed Response Status O SuggestedRemedy each of the histogram windows spans Proposed Response Status O SuggestedRemedy The value of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either the left or right histogram, and lower for the other histogram (i.e. t smaller of two values).	Dawe, Piers	Mellanox	L 28	# 55			L 37	# 58
Proposed Response Response Status 0 Cl 121 SC 121.8.5.3 P 220 L 29 # 56 Dawe, Piers Mellanox Cl 121 SC 121.8.5.3 P 222 L 11 # 59 Dawe, Piers Mellanox Mellanox Cl 121 SC 121.8.5.3 P 222 L 11 # 59 Dawe, Piers Mellanox Mellanox Mellanox Comment Type E Comment Status X SuggestedRemedy each of the histogram windows spans Froposed Response Response Status O Proposed Response Response Status O The smallest size of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either left or right histogram. SuggestedRemedy Proposed Response Response Status O The value of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either the left or right histogram, and lower for the other histogram (i.e. the smaller of two values).	SuggestedRemedy				How much is "the refe			
Dawe, Piers Mellanox Comment Type E Comment Status X each of the histograms spans SuggestedRemedy each of the histogram windows spans SuggestedRemedy each of the histogram windows spans Comment Type E Comment Status X Proposed Response Response Status O O Comment Status X SuggestedRemedy Proposed Response Response Status O O Comment Status X SuggestedRemedy Bawe, Piers Mellanox Mellanox Comment Type E Comment Status X The smallest size of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either left or right histogram, and lower for the other histogram (i.e. to smaller of two values). SuggestedRemedy	Proposed Response	Response Status O			ç	2	n	
comment Type E Comment Status X each of the histograms spans E Comment Status X SuggestedRemedy E Comment Status X each of the histogram windows spans E Comment Status X Proposed Response Response Status O Comment Type E Comment Status X The smallest size of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either left or right histogram. SuggestedRemedy Proposed Response Response Status O SuggestedRemedy The value of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either the left or right histogram, and lower for the other histogram (i.e. to smaller of two values).			L 29	# 56			L 11	# 59
Suggested Remedy target SER of 4.8x10-4 for either left or right histogram. each of the histogram windows spans Suggested Remedy Proposed Response Response Status O The value of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either the left or right histogram, and lower for the other histogram (i.e. t smaller of two values). The value of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either the left or right histogram, and lower for the other histogram (i.e. t smaller of two values).					Comment Type E	Comment Status X		
Proposed Response Status O Suggested Remedy The value of sigmaG is found that makes the sum of the partial SERs equal the target of 4.8x10-4 for either the left or right histogram, and lower for the other histogram (i.e. t smaller of two values).		windows spans			target SER of 4.8x10-			tial SERs equal the
Proposed Response Response Status O	ç	·			The value of sigmaG of 4.8x10-4 for either	the left or right histogram, and		
					Proposed Response	Response Status O		

C/ 121 SC 121.8.7 Dawe. Piers	P 223 Mellanox	L 9	# 60	Cl 121 SC 121.8.5.1 Dawe, Piers	P 219 Mellanox	L 18	# 63
Comment Type E Relative Intensity Nois ratio of the variance in intensity noise optical SuggestedRemedy	Comment Status X e: rogue capitals. Compare the optical power to the aver modulation amplitude (RINxC e. Also 122.8.7, 124.8.7.	age optical powe	r. and 52.9.6 Relative	Comment Type T C Modern scopes don't need a doesn't provide a pattern trig SuggestedRemedy Change "Pattern trigger" to "	omment Status X a pattern trigger, if told t gger.	he pattern length	, and the CRU typically
C/ 121 SC 121.8.9	Response Status 0 P 223	L 30	# 61	C/ 121 SC 121.8.5.2 Dawe, Piers	P 225 Mellanox	L 29	# 64
Dawe, Piers Comment Type E SRS SuggestedRemedy stressed receiver sens Also at line 34 Proposed Response	Mellanox Comment Status X itivity Response Status O			This sentence is wrong: To use an oscilloscope to ca jitter component, a separate synchronized to the source of 95.8.8.4 says: To use an oscilloscope to ca Jitter that includes the sinus 95–5) is required. And at line 12 we already ha	clock source (clean clo clock, but not modulate alibrate the final stresse oidal jitter component, a ave:	ock of Figure 121 d with the jitter so d eye J2 Jitter ar a clock recovery	 -6) is required that is burce. ad stressed eye J4 unit (CRU of Figure
C/ 121 SC 121.8.9.1 Dawe, Piers	P 224 Mellanox	L 37	# 62	Sinusoidal jitter amplitude m while transmitting the square trigger the oscilloscope.			
Comment Type TR Wrong clock. See Fig TDECQ) must be ca here on p225 line 12.	Comment Status X ure 95-5. We went over this librated with the CRU, but the			SuggestedRemedy While we don't have any jitte Proposed Response Re	er spec here apart from sponse Status O	SJ, delete this se	entence.
SuggestedRemedy Show the scope using	a CRU, as Figure 95-5 does			C/ 93A SC 93A.1	P 309	L 45	# 65
Proposed Response	Response Status O			Dawe, Piers	Mellanox		
				Font size SuggestedRemedy	omment Status X		
				Change "Table 83D-6" to 9	a a int		

C/ 120D SC 120D.3.1 P 343 L 26 # 66 Dawe, Piers Mellanox	C/ 120D SC 120D.3.1.2 P 344 L 4 # 69 Dawe, Piers Mellanox
Comment Type E Comment Status X Note d applies to even-odd jitter not Jrms or J5	Comment Type E Comment Status X is13.
SuggestedRemedy Move its anchor to Even-odd jitter (max).	SuggestedRemedy is 13.
Proposed Response Response Status O	Proposed Response Response Status O
Cl 120D SC 120D.3.1.1 P 342 L 53 # 67 Dawe, Piers Mellanox	C/ 120D SC 120D.3.1.2 P 344 L 6 # 70 Dawe, Piers Mellanox
Comment Type E Comment Status X "Jitter measurements are performed with transmitters on all PMD lanes enabled and transmitting the same pattern with identical transmit equalizer settings": Formally, this isn't a PMD. Should allow a range of patterns, as in 120E.3.1.6: same 0303 pattern is useless if synchronous, excessive if not. Should the counter-propagating lanes be operational too? No requirement to measure.	Comment Type E Comment Status X The state of the CCAUI-4 or CDAUI-8 transmit output is manipulated via management. SuggestedRemedy Change "The state of the CCAUI-4 or CDAUI-8 transmit output is manipulated via management." to 10 point.
SuggestedRemedy Change to: "Output jitter is defined with all transmit and receive lanes operating with a PRBS13Q or QPRBS31 pattern, or a valid 200GBASE-R/400GBASE-R signal.	Proposed Response Response Status O
Proposed Response Response Status O	C/ 120D SC 120D.3.1.2 P 344 L 21 # 71 Dawe, Piers Mellanox
Cl 120D SC 120D.3.1.1 P 343 L 39 # 68 Dawe, Piers Mellanox Comment Type ER Comment Status X Don't repeat specs (see D1.3 comment 21): the limits are in the table and the "shall" is in 120D.3.1 on the previous page. Don't put specs in definitions. SuggestedRemedy	Comment Type E Comment Status X Extra white space and dot above and below the figure. SuggestedRemedy Remove Proposed Response Response Status O
Delete "JRMS shall be less than or equal to 0.023 UI. J5 shall be less than or equal to 0.128 UI." Looks like the PICS is OK as is.	C/ 120D SC 120D.3.1.2.1 P 344 L 41 # 72 Dawe, Piers Mellanox
	Comment Type E Comment Status X
	Transmitter Linearity - rogue capital
	Transmitter Linearity - rogue capital <i>SuggestedRemedy</i> Transmitter linearity (as in the next line)

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/ 120D SC 120D.3.1.2.1 P 344 L 47 # 73 Dawe, Piers Mellanox	C/ 120D SC 120D.3.2.1 P 346 L 30 # 76 Dawe, Piers Mellanox
Comment Type E Comment Status X Even after the correction, I find this sentence hard to understand: Given the PAM4 symbol	Comment Type E Comment Status X RS- FEC
levels 0, 1, 2, and 3, the mean signal level for each symbol level are V0, V1, V2, and V3 respectively. What do I do with 0, 1, 2, and 3 that I'm given? Subject and verb don't seem to match in number.	SuggestedRemedy RS-FEC
SuggestedRemedy	Proposed Response Response Status O
Change to: The means of the signal levels of the symbols corresponding to the PAM4	
symbol levels 0, 1, 2, and 3 are V0, V1, V2, and V3 respectively. Better, say "means of the signal levels" in the previous sentence, then: The mean signal levels of the symbols corresponding to the PAM4 symbol levels 0, 1, 2, and 3 are defined as V0, V1, V2, and V3 respectively, as described in 120D.3.1.2.2.	C/ 120D SC 120D.3.2.1 P 346 L 34 # 77 Dawe, Piers Mellanox
Proposed Response Response Status O	Comment Type E Comment Status X peak-to- peak
Cl 120D SC 120D.3.1.2.1 P 345 L 46 # 74 Dawe, Piers Mellanox	SuggestedRemedy peak-to-peak
Comment Type E Comment Status X Empty line?	Proposed Response Response Status O
SuggestedRemedy Remove	C/ 120D SC 120D.3.2.2 P 346 L 48 # 78 Dawe, Piers Mellanox
Proposed Response Response Status O	Comment Type E Comment Status X Receiver Jitter tolerance - rogue capital
Cl 120D SC 120D.3.2 P 346 L 23 # 75 Dawe, Piers Mellanox	SuggestedRemedy Receiver jitter tolerance
Comment Type E Comment Status X Font size	Proposed Response Response Status O
SuggestedRemedy In Table 120D-4 "120D.3.2.2"	C/ 120D SC 120D.3.2.2 P 347 L 28 # 79 Dawe, Piers Mellanox
Proposed Response Response Status O	Comment Type E Comment Status X In Table 120D-6 and Table 120E-6, don't need "values" 5 times (most things in most tables are values).
	SuggestedRemedy In Table 120D-6, Table 120E-6 delete "values", 5 times each.
	Proposed Response Response Status O

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

Comment ID 79

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C/ 120D SC 120D.5.4. Dawe, Piers	1 P 351 Mellanox	L 41	# 80	C/ 120E SC 120E.3.1.6 P 359 L 4 # 83 Dawe, Piers Mellanox
Comment Type E Font size	Comment Status X			Comment Type E Comment Status X There is a box marked "VNA or Scope" but there's a scope just to the left of it.
SuggestedRemedy				oif2014.230.07 has just "VNA". Rogue capital S.
Change "Common-mod	de output return loss" to 9 poir	nt.		SuggestedRemedy Change "VNA or Scope" to "VNA"; also in Figure 120E-10.
Proposed Response	Response Status 0			Proposed Response Response Status O
C/ 120E SC 120E.1 Dawe, Piers	P 353 Mellanox	L 30	# 81	C/ 120E SC 120E.3.2.1 P 362 L 4 # 84
Comment Type E CCAUI-8 in left hand st	<i>Comment Status</i> X ack			Dawe, Piers Mellanox Comment Type E Comment Status X Croactally Conserver, reque applied
SuggestedRemedy should be CCAUI-4				Crosstalk Generator - rogue capital SuggestedRemedy
Proposed Response	Response Status O			Crosstalk generator Proposed Response Response Status O
<i>Cl</i> 120E <i>SC</i> 120E.3.1. Dawe, Piers	6 P 358 Mellanox	L 31	# 82	C/ 120E SC 120E.3.4.1.1 P 367 L 5 # 85
Comment Type T	Comment Status X RBS31Q also: 83E.3.1.6 allow	/s Pattern 3. PR	BS31. Roque capital.	Dawe, PiersMellanoxComment TypeEComment StatusX
SuggestedRemedy				Table layout
Change "using the Qua R/400GBASE-R signal.	ternary PRBS13 (PRBS13Q) PRBS13Q is described in 12	0.5.11.2.3." to "	using the PRBS13Q or	SuggestedRemedy Put ESMW (Eye symmetry mask width) on the same row, make the left column wider.
	valid 200GBASE-R or 400GE BS31Q is described in 120.5.		PRBS13Q is described	Proposed Response Response Status O
Proposed Response	Response Status 0			

C/ 120E SC 120E.3.3.3.1	P 367	L 21	# 86	C/ 120E SC 120E.4		L 44	# 89
Dawe, Piers	Mellanox			Dawe, Piers	Mellanox		
Comment Type E Col	mment Status X			Comment Type E	Comment Status X		
If the duplicate BUJ generato one in 120E.3.3.3.1 (D1.3 cor		ast make it cons	istent with the other	time between MID0C	te the time center of the midd DFR and MID0CDFL with a v	alue of 10-3" ther	4 says "Locate the
uggestedRemedy				center of the middle 0.025 UI of time TCn	eye at TCmid." which is the sa hid"	ame thing. 5, 6 a	nd 7 all say "within
Change:				SuggestedRemedy			
"The PRBS pattern length she approximately 1/10 of the stre				Delete step 4			
to: "The PRBS pattern length she approximately 1/10 of the stre	ould be between PRBS	\$7 and PRBS9 w	ith a signaling rate	Proposed Response	Response Status 0		
Proposed Response Res	ponse Status O			C/ 120E SC 120E.5	.3 P 374	L 6	# 90
				Dawe, Piers	Mellanox	20	" 00
V 120E SC 120E.3.4.1.1	P 367	L 32	# 87	Comment Type E	Comment Status X		
Dawe, Piers	Mellanox			Font size of Number direction	of differential AC-coupled lan	es, Eight indepen	dent data paths in eac
Comment Type E Co. This is the test, not the produ "high loss case".	mment Status X ict, there's only one hig	h loss channel, a	and at line 45 we say	SuggestedRemedy Change to 9 point			
SuggestedRemedy				Proposed Response	Response Status O		
Change "For high loss channe	els" to "For the high los	ss case".					
Proposed Response Res	ponse Status O			C/ 120E SC 120E.5 Dawe, Piers	.4.2 P 375 Mellanox	L	# 91
C/ 120E SC 120E.4.2 Dawe, Piers	P 368 Mellanox	L 43	# 88	Comment Type E Module Output	Comment Status X		
Comment Type E Co	mment Status X			SuggestedRemedy			
In step 3, MIDCDFR should b	e MID0CDFR			Module output			
SuggestedRemedy Change MIDCDFR to MID0C	DFR			Proposed Response	Response Status O		
Proposed Response Res	ponse Status O						

C/ 45 SC 45.2.116b P 53	L 53	# 92	C/ 120 SC 120.1.4 P179 L 44 # 96
udek, Mike QLogic			Dudek, Mike QLogic
Comment Type E Comment Status X This register is only used for lanes 1 through 7			Comment Type E Comment Status X The reference to Figure 120.5 hot link goes to section 120.5 not to Figure 120.5
SuggestedRemedy Cahnge "1 through 15" to "1 through 7"			SuggestedRemedy correct the hot link.
Proposed Response Response Status O			Proposed Response Response Status O
C/ 45 SC 45.2.1.116c P 54 Dudek, Mike QLogic	L 28	# 93	C/ 120 SC 120.3 P 182 L 17 # 97 Dudek, Mike QLogic
Comment Type E Comment Status X These registers are only used for lanes 8 through 15			Comment Type E Comment Status X introducing 4/p where p only equals 4 is an unnecessary complication.
SuggestedRemedy Change "1 through 15" to "8 through 15"			SuggestedRemedy Delete "4/p times".
Proposed Response Response Status O			Proposed Response Response Status O
C/ 118 SC 118.1.1 P 125 Dudek, Mike QLogic	L 9	# 94	C/ 120 SC 120.5.11.2 P 191 L 33 # 98 Dudek, Mike QLogic
Comment Type E Comment Status X Typo. CDXS/CDXS should be CCXS/CDXS			Comment Type E Comment Status X typo
SuggestedRemedy Change it			SuggestedRemedy Change "out put" to "output"
Proposed Response Response Status O			Proposed Response Response Status O
C/ 118 SC 118.2.2 P 126 Dudek, Mike QLogic	L 38	# 95	C/ 120 SC 120A.1 P 319 L 12 # 99 Dudek, Mike QLogic
Comment Type E Comment Status X Typo			Comment Type E Comment Status X The title says "examples" but there is only one.
SuggestedRemedy			SuggestedRemedy Change "examples" to "example"
Change "is has" to "it has" Also on line 43.			Change examples to example

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

Cl 120D SC 120D.3.1 Dudek, Mike	. 2.2 <i>P</i> 345 QLogic	L 54	# 100	C/ 116 So Dudek, Mike	C 116.3.3.1.1	P 106 QLogic	L 53	# <u>1</u> 02
Comment Type E poor grammar SuggestedRemedy	Comment Status X			two, or three	ce "Each of tl e." only app	Comment Status X he tx_symbol parameters c lies to the PMD or AUI inter		
Add "a" between "with	and "specifc PAM4"					to CAUI16, SR16, etc.		
	·			SuggestedRem	edy			
Proposed Response	Response Status O			Either				
C/ 116 SC 116.2.5 Dudek, Mike Comment Type T The 200GBASE-R PM	P 105 QLogic Comment Status X ID's are not described and Cl	L 21	# 101	service inte zero; or one b) be explic	rface each of e of four value it as to which	with "Depending on the sp the tx_bit parameters can es: zero, one, two, or three. interfaces use 4 values an ge 109 line 10 as well.	take either one c	of two values: one or
400GBASE-R PMD			lot specify a	Proposed Resp	onse	Response Status 0		
PMD's" or Change "Th in Clause 121 through media are specified in	00GBASE-R PMD's" to "The he 400GBASE-R PMDs and t Clause 124." to "The 200GB Clause 121 and Clause 122. are specified in Clause 122 th	heir correspondi ASE-R PMD's a The 400GBAS	ng media are specified nd their corresponding E-R PMDs and their	Dudek, Mike Comment Type		P 177 QLogic Comment Status X the position in the 200GBA	L 25 ASE-R sublayer.	# [<u>103</u>
Proposed Response	Response Status O			SuggestedRem	edv			
,				caggeoteantonn	,			

Change the title of the section to "Position of the PMA in the 200GBASE-R or 400GBASE-R sublayers".

Proposed Response Response Status **O**

C/ 119 SC 119.1.3 Dudek, Mike	8 <i>P</i> 138 QLogic	L 31	# 104	C/ 120 SC 120.5.11.2.2 P 192 L 3 # 107 Dudek, Mike QLogic QLogic 107
Comment Type T I think the CCMII and	Comment Status X	le interface for be	oth 200 GB/s and	Comment Type T Comment Status X Missing the test pattern for 200GBASE-R.
singular.	f they are not different then CC	MII/CDMII should	be grammatically	SuggestedRemedy Change "A 400GBASE-R PMA" to "A 200GBASE-R or 300GBASE-R PMA"
SuggestedRemedy				Proposed Response Response Status O
or b) replace "200 Gl	uniform interface" with "provid b/s and 400Gb/s" with 200/400		ces".	
"The CCMII provides	lace the sentence with a uniform interface to the Rec s. The CDMII provides a unifor			C/ 120C SC 120C.5.4.4 P 338 L 53 # 108 Dudek, Mike QLogic QLogic 108
Sublayer for all 400 (Gb/s PHY implementations. "			Comment Type T Comment Status X
l preferr c) Or if CCMII/CDMII is Proposed Response	a single interface change "pro Response Status O	ovide a" to "provid	les a"	During the 802.3by project concern was expressed that the RM2 pics could be interprete to mean that the module has to use the recommended CTLE setting for the stressed inp test. That is not intended (the module input can be adaptive and could use some other receiver than a CTLE). This PIC was re-worded as a result.
				SuggestedRemedy
/ 120 SC 120.5.1		L 16	# 105	Replace the wording of this PICS with that used for RM6 of 802.3by clause 109B
udek, Mike	QLogic			Proposed Response Response Status O
Comment Type T	Comment Status X		<i></i>	
	st pattern is a sub-section of th CCAUI and CDAUI that is NRZ	e NRZ test patter	n section. I here is	C/ 120D SC 120D.3.2.3 P 348 L 3 # 109
uggestedRemedy				Dudek, Mike QLogic
,	ith ""CCAUI-8" and "CDAUI-n"	with "CDAUI-16"		Comment Type T Comment Status X
roposed Response	Response Status O			Incorrect register name.
		·	"	SuggestedRemedy Change "Requests_flag" to "Request_flag"
/ 120 SC 120.5.1 udek, Mike	1 1.2.1 <i>P</i> 191 QLogic	L 45	# 106	Proposed Response Response Status O
Comment Type T	Comment Status X ding? The JP03A test pattern	needs to be 0,3 a	after the encoding.	
		acadina" ar dalat	e the sentence "The	
SuggestedRemedy Change "prior to PAI	M4 encoding" to "after PAM4 e s generated prior to PAM4 enco			

C/ 120 SC 120D.3.2.							
Dudek, Mike	1 P 346 QLogic	L 42	# 110	Cl 121 SC 121.8.5. Dudek, Mike	2 P 219 QLogic	L 41	# <u>1</u> 13
	Comment Status X proorate the clarification about channel calibration that was			SuggestedRemedy	Comment Status X BERT in the test system		
SuggestedRemedy				Replace "BERT's" wit	h "Oscilloscope's"		
Add the bullet b) in 111	.8.3.1 of 802.3by to the list he	ere after bullet d)).	Do the same in Claus	e 122 Page 252 line39		
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 120E SC 120E.3.3 Dudek, Mike	2 <i>P</i> 363 QLogic	L 2 1	# 111	C/ 121 SC 121.9.9. Dudek, Mike	3 P 225 QLogic	L 36	# 114
,	,			SuggestedRemedy	Comment Status X ment is not applicable to this neasurement and " Also in cl Response Status O		je 255 line 34.
Delete the sub-clause 1	20E.3.3.2						
Delete the sub-clause 1 Proposed Response	20E.3.3.2 Response Status O			C/ 121 SC 121.8.1	P 217	L 42	# 115
Proposed Response		L 42	# 112	<i>Cl</i> 121 SC 121.8.1 Dudek, Mike		L 42	# 115
Proposed Response	Response Status O	L 42	# 112		P217	L 42	# [<u>115</u>
Proposed Response	Response Status 0 P 217	L 42	# 112	Dudek, Mike <i>Comment Type</i> T The method for meas	P 217 QLogic <i>Comment Status</i> X uring OMAinner is not specifie		
Proposed Response Cl 121 SC 121.8.1 Dudek, Mike Comment Type T The square wave patter	Response Status O P 217 QLogic Comment Status X m isn't defined for PAM4 and	isn't listed in tab	le 121-9. Depending	Dudek, Mike <i>Comment Type</i> T The method for meas Clause 121.8.4 which	P 217 QLogic Comment Status X		
Proposed Response Cl 121 SC 121.8.1 Dudek, Mike Comment Type T The square wave patter on how it were defined i	Response Status O P 217 QLogic Comment Status X	isn't listed in tab	ele 121-9. Depending g OMAinner or	Dudek, Mike Comment Type T The method for meas Clause 121.8.4 which SuggestedRemedy Delete the OMAinner definitions and test m	P 217 QLogic <i>Comment Status</i> X uring OMAinner is not specifie	ed with any patter gy and definition o e it in the Tx and	rn. (certainly not by of what it is). Unless Rx tables and

Proposed Response Response Status **0**

C/ 120D SC 120D.3.2.1 P 346 L 40 # 116	C/ 45 SC 45.2.1.116c P 54 L 28 # 119
C/ 120D SC 120D.3.2.1 P 346 L 40 # 116 Dudek, Mike QLogic	C/ 45 SC 45.2.1.116c P 54 L 28 # 119 Shrikhande, Kapil Innovium
Comment Type TR Comment Status X The measured risetime of the transmitter should also be included in the COM except and the use of beta = 2 to incorporate the transmitter risetime is needed. Without the change there is a likely hole in the budget with the test transmitter for the interference tolerance test being better than the transmitter used in COM to calibrate the test change the test change the test change.	his SuggestedRemedy
SuggestedRemedy	Proposed Response Response Status O
Add another bullet to the considertions (before bullet c) in this list that is the same a C in 802.3by clause 111.8.3.1.	is bullet
Proposed Response Response Status O	C/ 45 SC 45.2.1.123 P 59 L 29 # 120 Shrikhande, Kapil Innovium
Cl 30 SC 30.3.2.1.5 P 36 L 36 # 117 Shrikhande, Kapil Innovium	Comment Type E Comment Status X Use of "Tx" instead of "transmit", and "Rx" instead of "receive" in some rows of Table 45-92 seems inconsistent
Comment Type E Comment Status X Extra forward slash in 200 Gb//s	SuggestedRemedy Replace "Tx" with "transmit" and "Rx" with "receive" for all occurences within Table 45-92
SuggestedRemedy Replace 200 Gb//s with 200 Gb/s	Proposed Response Response Status W [Editor's note: Page "59-60" changed to 59 and Line "multiple" changed to 29]
Proposed Response Response Status O	C/ 118 SC 118.2.2 P 126 L 23 # 121 Shrikhande, Kapil Innovium
Cl 45 SC 45.2.1.116b P 53 L 53 # 118 Shrikhande, Kapil Innovium	Comment Type E Comment Status X The text inside the PCS sub-layer box "400/200 Gb/s PCS" is inconsistent when compared
Comment Type T Comment Status X Incorrect range in the text "for lanes 1 through 15"	to text inside the other sub-layer boxes. SuggestedRemedy
SuggestedRemedy Replace "15" with "7" so text will read: "for lanes 1 through 7"	Change text "400/200 Gb/s PCS" within the PCS sub-layer box to "200 or 400 Gb/s PCS" Proposed Response Response Status W
Proposed Response Response Status O	[Editor's note: Line "Fig. 118-2" changed to 23]

	2 127 <i>L</i> 15	# 122	Cl 118 SC 118.5.3 Shrikhande, Kapil	P 133 Innovium	L 18	# 125
Comment Type E Comment Statu The text inside the PCS sub-layer box "40 to the text inside the other sub-layer boxe	0/200 Gb/s PCS" is incor	sistent when compared	Comment Type T Item 'BEC' Bypass err SuggestedRemedy	Comment Status X or correction is not a feature of	of subclause 119	9.2.5.3.
SuggestedRemedy Change text "400/200 Gb/s PCS" within th	ne PCS block to "200 or 4	00 Gb/s PCS"	Remove item 'BEC' fro	om the table in 118.5.3.		
Proposed Response Response Statu [Editor's note: Line "Fig. 118-3" changed t	s W		Proposed Response [Editor's note: Line "18	Response Status W -19" changed to 18]		
	2 173 <i>L</i> 22	# 123	<i>Cl</i> 119 <i>SC</i> 119.6.3 Shrikhande, Kapil	P 172 Innovium	L 18	# 126
Comment Type T Comment Statu Within Item RF5 'Error indication feature' field contains the following text "(or errore implies correction can be bypassed, but s bypass capability.	in the Receive function ta d codewords when correct	tion is bypassed)". This	SuggestedRemedy Remove item 'BEC' fr	Comment Status X or correction is not a feature of om the table in 119.6.3.	of subclause 119	9.2.5.3.
SuggestedRemedy Remove the parenthesis "(or errored code correction bypass is not meant to be a fea		bypassed)" since	Proposed Response [Editor's note: Line "18	U		" 407
Proposed Response Response Statu [Editor's note: Line "22-24" changed to 22	s W		C/ 119 SC 119.2.5. Shrikhande, Kapil Comment Type T	B P 158 Innovium Comment Status X	L 6	# 127
	2 134 <i>L</i> 22 ovium	# 124		feature for additional error mon n_enable is asserted, but the		ted item listed in the
Comment Type T Comment Statu Within Item RF5 'Error indication feature'	in the Receive function ta		SuggestedRemedy Add an Item in the PIC	S to capture this feature. E.c	g. "Error monitori	ng when error
field contains the following text "(or errore implies correction can be bypassed, but s bypass capability.				" with Value/Comment "Whe ed 5560, corrupt 66-bit block nguage as necessary.		
SuggestedRemedy Remove the parenthesis "(or errored code correction bypass is not meant to be a fea		pypassed)" since	Proposed Response [Editor's note: Line "6-	Response Status W 11" changed to 6]		
Proposed Response Response Statu [Editor's note: Line "22-24" changed to 22	s W					