C/ 169	SC 169.8.3	P <b>69</b>	L37	# 1	C/ 169	SC 169.8.4	4	P <b>69</b>	L <b>49</b>	# 3	7
Maguire, V	/alerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)	Maguire, V	'alerie		Copperopolis	s (aff'l w/ CME Co	onsulting and Cisco)	
<i>Comment</i> Consi	<i>Type</i> <b>E</b> der simplifying gu	Comment Status <b>R</b> idance.		consistency	Comment Consid	<i>Type</i> <b>E</b> der simplifying	Comment guidance.	Status R		consistenc	су
Suggeste	Remedy				Suggested	Remedy					
Repla local o applic with, ' should	ce, "It is recomme codes and regulat able." Proper installation I be followed.	anded that proper installation ion, be followed in every inst n practices, as defined by ap	practices, as de ance in which s plicable local co	efined by applicable uch practices are des and regulation,	Replac the PH mainte with, "I installa	ce, "It is recom IY the operatin enance." It is recommen ation, and mair	nmended that ma ng environmenta nded that manufa ntenance in the l	nufacturers in conditions to acturers indicati iterature assoc	dicate in the litera facilitate selection te conditions to fa ciated with the PH	ature associated with n, installation, and acilitate selection, IY."	
Response		Response Status C			Response		Response	Status C			
REJE Refer This c	CT. ence clauses, suc ould be considere	h as CL140 and ongoing pro ad as maintenance comment	ject 802.3dj, all	use the same wording.	REJE0 Refere This co	CT. ence clauses, s ould be consid	such as CL140 a lered as mainten	nd ongoing prance commen	oject 802.3dj, all t.	use the same wording.	
C/ 169	SC 169.8.4	P69	L <b>49</b>	# 2	C/ 135	SC 135.5.7	7.2	P <b>44</b>	L <b>44</b>	# 4	]
Maguire, V	/alerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)	Maguire, V	'alerie		Copperopolis	s (aff'l w/ CME Co	onsulting and Cisco)	
Comment	Type E	Comment Status R		consistency	Comment	Туре Е	Comment	Status A		consistend	су
Consi	der simplifying gu	idance.			This senter	entence is con ice should star	fusing to me. It s rt with "A PMA" (	eems there m not "An PMA")	ust be a way to n	nake it clearer. The	
Repla the co over v are m with, ' condit	ce, "It is recomme mponents of the hich the specifica et." It is recommende ions in the literatu	ended that manufacturers ind optical link, the distance and ations of this clause and that manufacturers indicate are associated with the comp	licate, in the lite operating envir e distance and c onents of the op	ature associated with onmental conditions perating environmental tical link."	Suggested Replac except may pi with, "/ alread	Remedy ce, ". An PMA t a PMA that is rovide such a c A PMA, except y providing suc	shall provide 1/( s connected to th capability." t one connected ch a capability, s	1+D) mod 4 pr e service inter to the service hall provide 1/	ecoding capabilit face of a 100GB/ interface of a 100 (1+D) mod 4 pred	y on each output lane, ASE-BRx PMD which OGBASE-BRx PMD and coding capability on	1
Response		Response Status C			Response	utput lane.	Response	Status C			
REJE Refer This c	CT. ence clauses, suc ould be considere	h as CL140 and ongoing pro ad as maintenance comment	ject 802.3dj, all	use the same wording.	ACCE Implen (comm	PT IN PRINCI nent suggesten nent #110 from	PLE. d remedy with ed D2.1)	ditorial license.			

Cl 168	SC 168.6.1	P <b>60</b>	L <b>22</b>	# 5	C/ 168	SC 168.6.2	P <b>61</b>	L33	# 8
Jackson, ł	Kenneth	Sumitomo Ele	ectric		Jackson, ł	Kenneth	Sumitomo El	lectric	
Comment	Type <b>TR</b>	Comment Status A		technical	Comment	Type <b>TR</b>	Comment Status A		technical
Modifi based	cation to Table 1 on new MPI calo	68-6 100GBASE-BR10 Tx lau culations.	unch powers (av	g, OMA, excursion)	Modify lower	/ Table 168-7 to values are adop	refelect lower transmit power ted)	rs (assuming tho	se proposed 0.2dB
Suggested	Remedy				Suggested	dRemedy			
0.2dB comm	lower transmit la ent.	unch powers (avg, OMA, exc	ursion). See pre	sentation regarding this	Avg R Avg R	x power = 4.6dB x Power (min) =	Bm Receiver power (OMA(ou -8.4dBm	iter) (max) = 4.8c	IBm
Response		Response Status C			Dama See p	ge threshold =5. resentation rega	odBm (to maintain consistent	t methodology)	
ACCE Chang	PT IN PRINCIPL ge BR10 in Table	E. 168-6 as in slide 9 of 3dk_ja	ckson_2506_1.		Response		Response Status C		
C/ 168	SC 168.6.1	P61	L <b>20</b>	# 6	Chang	ge BR10 in Table	LE. e 168-7 as in slide 10 of 3dk_	jackson_2506_1	
Jackson, k	Kenneth	Sumitomo Ele	ectric		C/ 45	SC 45.2.1.6	P <b>19</b>	L <b>23</b>	# 9
Comment	Type <b>TR</b>	Comment Status A		technical	Zimmerma	an. George	ADI.APLap.C	Cisco.Marvell.On	Semi.Sonv.SenTekse
Modify	/ Eq 168-1 100G	BASE-BR10 to reflect lower T	x launch powers	s based on new MPI	Comment	Type F	Comment Status A	- , ,-	reaister hit
Suggested 0.2dB Response	<i>lRemedy</i> lower transmit la	unch power. See presentatio	n regarding this	comment.	The n betwe reserv reserv	ew rows for 1000 en 10000101 an red row 101xxxx red or are they a	GBASE-BR are inserted in ad 1000011x). They should b x. It appears codesfor 10100 llocated by df?	the wrong place e immediately be 00xx are also mis	(101xxxx end up elow the struck out sing - are these
ACCE	PT IN PRINCIPL	E.			Suggested	dRemedy			
Chang -0.5+n See e	ge Equation 168- nax(TECQ, TDE0 quation in slide 9	T to: CQ). of 3dk_jackson_2506_1.			Move Insert D PM/ ahead	rows for 101010 new reserved ro A/PMD (editor to of this one. If it	1x through 10100100 above by 101000xx = reserved belov check that this code hasn't b t is allocated by another stand	reserved row for w row for 10100 <sup>2</sup> been allocated by dard in progress.	1001xxxx = reserved. 100 = 100GBASE-BR10- / another standard suggest you inform the
C/ 168	SC 168.6.3	P <b>62</b>	L <b>25</b>	# 7	editor	of that standard	of these changes to this regi	ster - they will ne	ed to align).
Jackson, k	Kenneth	Sumitomo Ele	ectric		Response		Response Status C		
Comment	Type <b>TR</b>	Comment Status A		technical	ACCE	PT IN PRINCIPI	LE.		
Modify	/ Table 168-8 10	0GBASE-BR10 Power Budge	t and Allocation	for penalties.	Impler Add F	nent suggested	remedy with editorial license.	Hi	
Suggested	Remedy				(1010	00xx are reserve	ed by dj for 1.6T DR8-2, DR8,	, CR8 and KR8.)	
Modify 10.6d	/ Table 168-8 10 3 to 10.4dB & 4.3	0GBASE-BR10 Power Budge 3dB to 4.1dB, respectively. Se	t and Allocation e presentation r	for penalties from egarding this comment.					
Response		Response Status C							
ACCE Chang	PT IN PRINCIPL ge BR10 in Table	E. 168-8 as in slide 11 of 3dk ja	ackson 2506 1.						

C/ 00 SC 0	P <b>0</b>	LO	# 10	C/ Content SC Contents	P <b>14</b>	L <b>26</b>	# 13
Dawe, Piers	Nvidia			Dawe, Piers	Nvidia		
Comment Type E pdf metadata is at defau	Comment Status A		editorial	Comment Type E Layout	Comment Status A		editorial
SuggestedRemedy Populate with correct da	ta			SuggestedRemedy Tab position?			
Response ACCEPT.	Response Status C			Response ACCEPT IN PRINCIPLI Follow the latest 802.3	Response Status <b>C</b> E. template.		
C/FM SC FM	P <b>1</b>	L <b>28</b>	# 11		D10	1 40	# 44
Dawe, Piers	Nvidia			Davia Diara	F 10	L 10	# 14
Comment Type E D2.1	Comment Status A		editorial	Comment Type E	Comment Status A		editorial
SuggestedRemedy D2.2 (to be D2.3)				SuggestedRemedy			
Response ACCEPT.	Response Status C			Should be single space <i>Response</i> ACCEPT.	d Response Status <b>C</b>		
Cl Content SC Contents	P <b>13</b>	L12	# 12				"
Dawe, Piers	Nvidia			C/ 45 SC 45.2.1.6	P19	L <b>22</b>	# 15
Comment Type E Layout	Comment Status A		editorial	Comment Type E	Comment Status A		register bit
SuggestedRemedy Tab position?				SuggestedRemedy		0.0.4.4	
Response	Response Status C			entries. Also, where are	x x x x, 10001 x x x, 100 e 1 0 1 0 0 0 x x ?	0 0 1 1 x should	be below the new
ACCEPT IN PRINCIPLE Follow the latest 802.3 t	<u>.</u> emplate.			Response ACCEPT IN PRINCIPLI See comment #9.	Response Status <b>C</b> E.		

C/ 45	SC 45.2.1.11	7.7a P23	L <b>48</b>	# 16	CI 80	SC 80.1.3	3 P31	L17	# 19
Dawe, Pie	rs	Nvidia			Dawe, Pie	ers	Nvidia		
Comment 100G bit but	<i>Type</i> <b>T</b> RS-FEC-Int ability t it does have the	Comment Status A y bit applies to 100GBAS ability.	SE-BRx only. A CR	<i>RS-FEC-Int</i> or KR doesn't have this	Comment VR1a	<i>Type</i> <b>E</b> nd	Comment Status A		editorial
Suggestee Need	dRemedy to say so				Insert	space			
Response ACCE	PT IN PRINCIPLI	Response Status C			ACCE	PT.	Response Status C		
Add " editori Chang	100G RS-FEC-Int ial license. ge the title of Tabl	ability bit applies to 100 e 45–95 to:RS-FEC stat	GBASE-BRx." to CL	45.2.1.117.7a with ions.	<i>Cl</i> <b>80</b> Dawe, Pie	SC 80.1.4	4 P33 Nvidia	L <b>29</b>	# 20
CI 56	SC 56.1.3	P30	L <b>28</b>	# 17	Comment	Туре Е	Comment Status A		editorial
Dawe, Pie	rs	Nvidia			Full S	ops			
<i>Comment</i> Why is	<i>Type</i> <b>E</b> s 161 here among	Comment Status A 25G clauses?		editorial	Remo	dRemedy ve			
Suggested Move	dRemedy to near 91				ACCE	PT.	Response Status C		
Response	,	Response Status C			C/ 80	SC 80.4	P35	L30	# 21
ACCE	PT.				Dawe, Pie	ers	Nvidia		
C/ 56	SC 56.1.3	P <b>30</b>	L <b>32</b>	# [18	<i>Comment</i> Parts	<i>Type</i> <b>E</b> of footnotes a	Comment Status <b>A</b> a and b don't apply to Table 80	)-7 but do apply to	<i>editorial</i> Table 80-7a. Also,
Dawe, Pie	rs	Nvidia			footno	ote c applies t	to both tables.		
Comment 50GB	<i>Type</i> <b>E</b> ASE-R PMA	Comment Status A		editorial	Suggeste For Ta	dRemedy able 80-7:			
Suggestee 50GB	dRemedy ASE-R and 100G	BASE-P PMA			a For time.) b For	40GBASE-R, 40GBASE-R,	, 1 bit time (BT) is equal to 25 , 1 pause_quantum is equal to	ps. (See 1.4.215 fc 12.8 ns. (See 31B	or the definition of bit
Response ACCE Chang entries	PT IN PRINCIPLI ge colume title of 0 s of CL83 to O, Cl	Response Status C E. CL135 to 50GBASE-R a _135 to M for 100GBAS	and 100GBASE-P PI E-BRx.	/IA, and change table	pause For Ta a For time.) b For pause Add fo	e_quanta.) able 80-7a: 100GBASE-F 100GBASE-F e_quanta.) potnote c to T	R, 1 bit time (BT) is equal to 10 R, 1 pause_quantum is equal t able 80-7a.	) ps. (See 1.4.215 o 5.12 ns. (See 31	for the definition of bit B.2 for the definition of
					Response	,	Response Status C		
					ACCE Imple	PT IN PRINC	CIPLE. ted remedy with editorial licens	se.	

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment ID 21

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C/ 80 SC 80.5	P <b>38</b>	L <b>3</b>	# 22	C/ 91 SC 91.7.3	P <b>41</b>	L <b>24</b>	# 25
Dawe, Piers	Nvidia			Dawe, Piers	Nvidia		
Comment Type E Sublayer delay cons	Comment Status A traints		editorial	Comment Type E Too many "or"	Comment Status A		editorial
<i>SuggestedRemedy</i> Summary of Skew V	ariation constraints			SuggestedRemedy There should be just or	ne per list:		
Response	Response Status C			100GBASE-BR20, or 100GBASE-BR40 PHY	(		
ACCEPT.				Response	Response Status C		
C/ 80 SC 80.5	P38	L7	# 23	ACCEPT IN PRINCIPL Implement suggested r	.E. remedy with editorial license.		
Comment Type E	Comment Status A		editorial	C/ 91 SC 91.7.4.1	P <b>42</b>	L15	# 26
26.5625GBd				Dawe, Piers	Nvidia		
SuggestedRemedy Insert space				Comment Type E KR4	Comment Status A		editorial
Response ACCEPT.	Response Status C			SuggestedRemedy Should be KP4 as in 30	db, 3ck		
C/ 80 SC 80.5	P38	L <b>40</b>	# 24	Response	Response Status <b>C</b> F		
Dawe, Piers	Nvidia			Change KR4 to KP4.			
Comment Type E Clause 161 through	Comment Status A Clause 163, and related annexe	es	editorial	C/ 91 SC 91.7.4.2	P <b>43</b>	L <b>7</b>	# 27
SuggestedRemedy Clause 161 through	Clause 163, Clause 168, and re	lated annexes		Dawe, Piers Comment Type E	Nvidia Comment Status A		editorial
Response ACCEPT.	Response Status C			SuggestedRemedy Should be KP4 as in 30	db, 3ck		
				Response ACCEPT IN PRINCIPL Change KR4 to KP4.	Response Status <b>C</b> .E.		

C/ 135	SC 135	P <b>44</b>	L <b>1</b>	# 28		C/ 157	SC	157.4.2	P50	L <b>42</b>	# 31
Dawe, Pier	s	Nvidia				Dawe, Pie	rs		Nvidia		
Comment 7 135. In 50GBA	<i>Type</i> <b>E</b> Itroduction to 50 ASE-R and 1000	Comment Status A Gb/s networksPhysical Me BASE-P	dium Attachment (	PMA) sublayer	<i>editorial</i> , type	Comment Skew	<i>Type</i> constra	E aints - this	Comment Status R is for 100G only		quick review
Suggested	Remedy					Suggested	dRemeo	dy 			
Delete	"Introduction to	50 Gb/s networks"				Chang	ge subc	lause hea	ding to: Skew constraints f	for 100GBASE-BF	ξχ.
Response		Response Status C				Response			Response Status C		
ACCEF	PT.					REJE This s 50GB	CT. ubclaus ASE-BF	se introduo Rx and 10	ces general contents to rela 0GBASE-BRx have skew c	ated BiDi PHYs. onstraints specifie	ed in their own clauses
Cl <b>135</b> Dawe, Piers	SC <b>135.5.7.2</b>	2 P <b>44</b> Nvidia	L <b>25</b>	# 29		(CL16 See c	0.3.2 a ommen	nd CL168. t #32.	3.2).		
Comment T	Туре Е	Comment Status A			editorial	C/ 157	SC	157.4.2	P50	L <b>52</b>	# 32
An PM	A					Dawe, Pie	rs		Nvidia		
Suggested	Remedy					Comment	Туре	Е	Comment Status A		consistency
A PMA	N N					This s	eems to	o repeat th	ne material in 168.3.2.		
Response		Response Status <b>C</b>				Suggested	dReme	dy			
ACCEF	PT.					Would	l it be b	etter to ha	ndle it like the delay specs	?	
C/ 135	SC 135.7.3	P <b>45</b>	/ 4	# 30		Repla 100GI	ce cont BASE-E	ents of su BRx PHY s	bclause with: The Skew an sublayers are specified in 8	d Skew Variation 0.5.	constraints for
Dawe Pier	's	Nvidia				Response			Response Status C		
Comment To Need to Suggested	<i>Type</i> <b>E</b> o declare the ne <i>Remedy</i> e major option fo	Comment Status A ew major option or 100GBASE-BRx		qu	ick review	ACCE Repla The S in 160 The S in 168	PT IN F ce CL 1 kew an 0.3.2. kew an 6.3.2.	PRINCIPL 157.4.2 wit d Skew Va d Skew Va	E. h: ariation constraints for 50G ariation constraints for 1000	BASE-BRx PHY s GBASE-BRx PHY	ublayers are specified sublayers are specified
Response		Response Status C				CL 157	50	157 4 2	PEO	/ 52	# 22
ACCEF	PT IN PRINCIPL	E. 2012/10/06/07 3 for 100/08/04	SE-BRy use 50G	A1 as the refer	ence	Dowo Dio	- 00	157.4.2	i <b>SU</b>	L <b>JZ</b>	$\pi$ 55
Update	e table in subcla	use 135.7.7 with editorial lic	ense.			Comment For 10	<i>Type</i> 00GBAS	<b>E</b> SE-VR1 ar	Comment Status A nd 100GBASE-SR - not		editorial
						Suggested Since	dRemed the who	<i>dy</i> ole subcla	use is about 100GBASE-B	Rx - delete	
						Response			Response Status C		
						ACCE Delete See c	PT IN F the las ommen	PRINCIPL st sentenc t #32.	E. e of the third paragraph in (	CL157.4.2.	
TYPE: TR/I COMMENT SORT ORE	technical require F STATUS: D/dis DER: Comment	ed ER/editorial required GF spatched A/accepted R/rej ID	R/general required ected RESPON	T/technical E SE STATUS: (	/editorial G/g D/open W/writ	eneral tten C/closed	U/uns	atisfied Z/	/withdrawn	ment ID 33	Page 6 of 11 2025/6/30 9:13:4

C/ 157	SC 157.6	P <b>51</b>	L13	# 34	C/ 168	SC 168.6.1	P <b>60</b>	L <b>21</b>	# 37
Dawe, Pier	rs	Nvidia			Dawe, Pie	rs	Nvidia		
Comment	Туре Е	Comment Status A		editorial	Comment	Туре Т	Comment Status A		quick review
Clause	e 114, Clause 158	8 through Clause 160, Claus	e 168		Accor	ding to D2.1 con	nment 63, there should be an	editor's note call	ing for contributions on
Suggested	Remedy				the to	lerancing for 100	)GBASE-BR2 and whether it s	should use a min	imum loss spec.
Clause	e 114, Clause 152	2, Clause 158 through Claus	e 161, Clause 16	68	Suggestee	dRemedy			
Response		Response Status C			Consi spec;	der the toleranci add editor's note	ng for 100GBASE-BR2 and w e if more study is needed.	hether it should	use a minimum loss
ACCE	PT.				Response		Response Status C		
C/ 161	SC 161.6.10a	P <b>52</b>	L <b>28</b>	# 35	ACCE Add e	PT IN PRINCIP	LE. 20 spec adjustment was done	to increase OMA	outer tolerance
Dawe, Pier	rs	Nvidia			betwe	en min and max	values.		
Comment	Туре Т	Comment Status A		RS-FEC-Int	See L	2.1 comment #c	55.		
100G_ this bit	_RS_FEC_Int_abi t but do have the a	lity applies to 100GBASE-B ability	Rx, but not CR o	r KR, which don't have	C/ 168	SC 168.6.3	P <b>62</b>	L <b>25</b>	# 38
Suggester	Romody				Dawe, Pie	rs	Nvidia		
Insort	sentence: The 10	OC RS FEC Int ability var	iable applies to 1	MCBASE-BRy Add	Comment	Туре Т	Comment Status A		editorial
senter there i	sentence. The Tol nce at the end: For s no such variable	r other PHY types, the abilit	y is determined b	by the PHY type and	Editor comm	's note "call for f ent 25	urther check of the penalty va	llues" has disapp	eared, contrary to D2.0
Response		Response Status <b>C</b>			Suggestee	dRemedy			
, ACCE	PT IN PRINCIPLE	Ē.			Revie	w the penalty va	lues; add editor's note if more	e study is needed	
Insert	sentence with edi	torial license: The 100G_RS	S_FEC_Int_ability	/ variable applies to	Response		Response Status <b>C</b>		
100GE Chapa	BASE-BRx.		Int status variable	manning	, ACCE	PT.			
Chang					Add th	ne editor's note a	as in D2.1.		
C/ 168	SC 168.5.9	P <b>59</b>	L35	# 36	(D2.1	comment #62)			
Dawe, Pier	rs	Nvidia							
Comment	Туре Е	Comment Status A		editorial					
the PN	ID_receive_fault f	function: underscores or not	?						
Suggested	Remedy								
lf, as a chang Also, i	appears to be the e PMD_receive_fa nsert space in the	case, variable names use u ault function to PMD receive PMD_receive_fault	nderscores and f ault function, tv	unction names do not, vice.					
Response		Response Status C							
ACCE Impler	PT IN PRINCIPLE nent suggested re	E. emedy with editorial license.							

C/ 168	SC 168.7.1	P <b>63</b>	L <b>5</b>	# 39	C/ 168	SC	C 168.7.5	P <b>64</b>	L <b>40</b>	# 42
Dawe, Pier	s	Nvidia			Dawe, Pier	rs		Nvidia		
Comment	Туре Т	Comment Status R		quick review	Comment	Туре	Е	Comment Status A		consistency
If the c square	lefinition of RIN r wave in the star	neasurement is improved (D2 ndard would be as an alternat	.1 comment 25 ive to SSPRQ	5), the only use for for measuring	This lc 150.8.	ong, ha 7, 150	ard to unde ).8.10 and <i>′</i>	rstand, run-on sentence has I51.8.1	been fixed else	where e.g. 150.8.5,
transm OMAo	utter transition tir	ne. But for that, one needs to with PRBS130 or SSPR0 in	find 20% and	80% of OMAouter;	Suggested	Reme	ədy			
anywa	y. Transmitter tra shoot; they can a	Insition time goes with TECQ, be obtained from the same i	extinction ration	o, overshoot and with SSPRQ. There is	Chang freque	je "G⊦ ncies	Hz, and at fi above 1.3	equencies above 1.3 x 53.1 x 53.125 GHz, its response"	25 GHz, the resp (2 changes)	oonse" to "GHz. At
no nee	ed for the standar	d to mandate a second way.	Square wave is	s a very untypical pattern	Response			Response Status C		
which		commended in there is a pract	ical alternative	•	ACCE	PT IN	PRINCIPL	E		
Suggestea	Remedy	m tables 160 0 and 160 10 5	amaana wha	vente te une it still een	Impler	nent s	suggested r	emedy with editorial license.	•	
becau	square wave iro se it still exists in	120.5.11.2.5, and the registe	rs to advertise	it and control it still exist	C/ 168	SC	C 168.7.5	P <b>64</b>	L <b>45</b>	# 43
in 45, l	out we should no	t encourage it in future.			Dawe, Pier	rs		Nvidia		
Response		Response Status C			Comment	Туре	т	Comment Status A		quick review
REJE0 See co	CT. omment #47.				chayel and st	b_3dj ill be t	_01_2505 s troublesome	lide 8 shows that a very asy to receive.	mmetric signal c	an pass all the specs
C/ 168	SC 168.7.5	P <b>64</b>	L34	# 40	Suggested	Reme	ədy			
Dawe, Pier	'S	Nvidia			Add a	spec	for the max	imum tap weight for the tap	immediately afte	r the largest tap: max
Comment	Туре Т	Comment Status A		quick review	Response	(Typic	any the tap	Response Status C		
This T	DECQ doesn't us	e the FFE in 121.8.5.4 becau	se that has 38	ps tap spacing for 50	ACCE	PT IN	PRINCIPI	F		
Gb/s a	nd we need 19 p	s spacing for 100 Gb/s as in 7	140.7.5.1.		Add a	n Edite	or's note:			
Suggestea	Remedy				There'	s a pr	oposal to a	dd the maximum tap weight	for the tap imme	diately after the largest
Chang	e 121.8.5.4 to 14	0.7.5.4.			ιaμ. Π	ax 0.0		5.7.5.		
Response		Response Status <b>C</b>			C/ 168	SC	6 168.7.5.1	P <b>65</b>	L18	# 44
ACCE	PT IN PRINCIPL e 121 8 5 4 to 14	E. IO 7 5 1 (TDECO reference er	walizer)		Dawe, Pier	rs		Nvidia		
(D2.1)	comment #15)				Comment	Туре	т	Comment Status A		quick review
CI 469	SC 469 7 5	DCA	1.20	# 44	This s	ays "T	he link may	be as short as 2 m, and the	e minimum or ma	aximum dispersion may
C/ 100	30 100.7.5	<i>⊢</i> 04	L 30	# 41	be 0." 100GF	ACTUA BASE-	ally, the mir	limum for the test cannot be	0, and the maximal av" and making	the intent clearer
Dawe, Plei	s Turna <b>F</b>			- dite vie t	Suggester	lReme	edv			
Comment	roto	Comment Status A		editorial	Chanc	ie to "	A link mav	pe as short as 2 m. therefore	e the maximum d	lispersion for
signai					100GE	BASE-	-BRx-U is 0	for some transmitter wavele	engths."	
Suggestea	Remedy				Response			Response Status C		
signali	ng rate				ACCE	PT.				
Response		Response Status C								
ACCE	PT.									

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 168	SC	168.7.6	P <b>65</b>	L <b>41</b>	# 45		C/ 168	SC	168.7.13	P <b>68</b>	L <b>50</b>	# 48
Dawe, Pier	S		Nvidia				Dawe, Pier	S		Nvidia		
Comment Missing	<i>Type</i> g cross	E -reference	Comment Status A			editorial	Comment "SRS"	<i>Type</i> is not ι	<b>E</b> used in Tal	Comment Status <b>A</b> ble 168-10, or 121.8.10.	It should be define	<i>quick review</i> ed or removed.
Suggested 168.7.	Remea 5	ly					Suggested As it a	Remea ppears	<i>dy</i> only twice	, remove: change SRS t	o stressed receive	sensitivity here and on
Response			Response Status C				the ne	xt page	, ,	, 3		5
ACCE	PT.						Response ACCE		PRINCIPLE	Response Status <b>C</b>		
C/ 168	SC	168.7.6	P <b>65</b>	L <b>41</b>	# 46		Implen	nent su	iggested re	emedy with editorial licer	se.	
Dawe, Pier	S		Nvidia									
Comment	Туре	т	Comment Status A		qu	ick review						
signals limit. li chroma	s, it doe t is rea atic dis	esn't catch t sonable to persion sor	hem all. 802.3dj has a lin do this for TECQ while we ne more.	nit of 0.9. We shou study the interplay	IId apply the sa y between this	ame and						
Suggested Chang	<i>Remec</i> e 0.8 to	<i>ly</i> 5 0.9, for TE	ECQ: after "except that the	e test fiber is not us	ed", add "and	the						
largest	magni	tude tap co	efficient, is constrained to	be at least 0.9."	,							
Response			Response Status C									
ACCEI Chang The TE except constra	PT IN F e the la ECQ of that th ained to	PRINCIPLE ast sentenc each lane e test fiber o be at leas	e of CL168.7.6 to: is measured using the me is not used, and the large t 0.9.	thods specified for st magnitude tap c	TDECQ in 168 oefficient is	3.7.5,						
C/ 168	SC	168.7.11	P <b>67</b>	L11	# 47							
Dawe, Pier	s		Nvidia									
Comment	Туре	т	Comment Status R		qu	ick review						
We she what is	ould re define	consider ur d in 802.3c	nsatisfied D2.0 comment 2 lj. This is industry practice	5: update the RIN	definition to ali	gn to						
Suggested	Remed	ły										
Response REJEC There See co	CT. was no ommen	consensus t #25 in D2	<i>Response Status</i> <b>C</b> to make the change at th 1.	is time.								

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 168	SC 168.7.13	P <b>68</b>	L <b>51</b>	# 49
Dawe, Piers		Nvidia		
Comment Typ	be T	Comment Status A		quick review

D2.1 comment 49: Add text saying that the PMD's transmitter and any other circuitry that could cause crosstalk should be operational when stressed sensitivity (and regular sensitivity) is measured. The same goes for transmitter measurements such as TECQ and TDECQ. 121.8.5.1 says "with all other lanes in operation but this is interpreted as other lanes in the same Ethernet link, and these PMDs are serial. 167.8.1 says "For a receiver in a multilane device" (as opposed to multilane PHY or multilane PMD"

# SuggestedRemedy

Add suitable text

Response

ACCEPT IN PRINCIPLE

Implement with editorial license.

Add new subclause 168.7.2 as:

168.7.2 Considerations for multi-port equipment

100GBASE-BRx equipment or devices may contain all or parts of multiple PHYs in parallel. These can have crosstalk, so they are taken into account in the same way as the lanes in a multi-lane PHY. This might be significant for TDECQ, TECQ, RINxOMA, receiver sensitivity and stressed receiver sensitivity.

Where relevant, parameters are defined with all co-propagating and counter-propagating lanes in a device operational, so that crosstalk effects are included. While the lanes in a particular direction may share a common clock, the Tx and Rx directions are not synchronous to each other. If Pattern 3 is used for the lanes not under test using a common clock, there is at least 31 UI delay between the PRBS31Q patterns on one lane and any other lane so that the symbols on each lane are not correlated within the PMD. For a complete PHY (one that includes RS-FEC, PMA and PMD sublayers), the amplitude of the Tx aggressor lanes is set by the product under test. For a partial PHY such as an optical module with an AUI, containing PMA and PMD, the amplitude of the Tx aggressor lanes at the AUI is the same as that of the "victim" AUI of the PMA/PMD under test. The amplitude of the Rx aggressor lanes is the receive power (OMAouter) (max). This represents signals arriving via transmitters and low-loss optical paths which could be very different to the victim in a receiver test.

Alternative test methods that generate equivalent results may be used.

Response Status C

# Add in CL168.7.5:

The device under test receives an optical signal. The OMAouter of this and any applicable Rx aggressor lanes is the receive power (OMAouter) (max) given in Table 168-7. For more information including Tx aggressors, see 168.7.2.

# Add in CL168.7.11:

A thorough relative intensity noise measurement takes crosstalk into account. The device under test receives an optical signal. The OMAouter of this and any applicable Rx aggressor lanes is the receive power (OMAouter) (max) given in Table 168-7. For more information including Tx aggressors, see 168.7.2.

# Add in CL168.7.12:

A thorough receiver sensitivity measurement takes crosstalk into account. The transmitter of the receiver under test is operational. The OMAouter of any applicable Rx aggressor lanes is the receive power (OMAouter) (max) given in Table 168-7. For more information including Tx aggressors, see 168.7.2.

# Add in CL168.7.13:

The transmitter of the receiver under test is operational. The OMAouter of any applicable Rx aggressor lanes is the receive power (OMAouter) (max) given in Table 168-7. For more information including Tx aggressors, see 168.7.2.

C/ 168	SC 168.7.13	P <b>68</b>	L <b>52</b>	# 50
Dawe, Piers		Nvidia		
Comment Tv	pe T	Comment Status A		auick review

No need for the indirection in "The SECQ of the stressed receiver conformance test signal is measured according to 168.7.5, except that the test fiber is not used." because SECQ and TECQ are the same (although I don't remember that this is stated).

# SuggestedRemedy

Change "according to 168.7.5, except that the test fiber is not used" to "according to the procedure for TECQ given in 168.7.6"

Response Response Status C

ACCEPT IN PRINCIPLE.

Change the first sentence in the first bullet "according to 168.7.5, except that the test fiber is not used" to "according to the procedure for TECQ given in 168.7.6".

C/ 168	SC 168.10	P <b>72</b>	L <b>8</b>	# 51
Dawe, Piers		Nvidia		
Comment Tvp	e T	Comment Status A		auick review

This section is about the cabling, not the budget. As I understand it, when cabling is installed it is measured at 1310 nm (and maybe 1550 nm), and that's adequate for all O-band PMDs. Clauses 52 and 59 follow this method clearly.

# SuggestedRemedy

In the table, for the channel insertion loss rows, insert "1310". Move "Over the wavelength range 1303.6 nm to 1310.1 nm", to Table 168-8, 100GBASE-BRx illustrative link power budgets, where it is applicable. There is no need to adjust any numbers in this clause, because the operating wavelengths are so close to 1310 nm.

# Response

ACCEPT IN PRINCIPLE.

Insert "1310" in the wavelength cell in the channel insertion loss row.

Response Status C

Detele "Over the wavelength range 1303.6 nm to 1310.1 nm" in footnote b of Table 168-12, and add a footnote "Over the wavelength range 1303.6 nm to 1310.1 nm" to channel insertion loss row in Table 168-8. Implement with editorial license.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment ID 51 Pag

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C/ 168	SC	168.10	P <b>7</b> :	2	L <b>24</b>	# 52	
Dawe, Piers	s		Nvidia	3			
Comment 7	Гуре	Е	Comment Status	Α			editorial
The ne	w ser	ntence abou	t dispersion doesn't	relate to	the insertion loss	s row.	
Suggestedl Move a	Reme Incho	edy r b to the firs	st dispersion row.				
Response			Response Status	с			
ACCEF Add an	PT IN chor I	PRINCIPLE b to the first	dispersion row.				
C/ 168	SC	168.11.4.1	P7	5	L15	# 53	
Dawe, Piers	S		Nvidia	1			
Comment 7 SP3	Гуре	E	Comment Status	Α			editorial
Suggestedl SP4?	Reme	dy					
Response ACCEF	PT.		Response Status	С			
C/ 168	SC	168.11.4.1	P <b>7</b>	5	L <b>20</b>	# 54	
Dawe, Piers	S		Nvidia	1			
Comment 7 SP3	Гуре	E	Comment Status	Α			editorial
Suggestedl SP5? I	Reme If so, (	edy O not M					
Response			Response Status	с			
ACCEF Change Change constra	PT IN e SP3 e valu iints	PRINCIPLE in SC3 to S ie/comment	SP5 and change the of SC1 and SC2 to	status o Device o	of SC3 to O. conforms to skew	and skew var	iation

Comment ID 54

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