/ FM	SC FM	P 1	L 23	# 24	C/ FM	SC	FM	P 1	L 26	# 25
an, Adee		Cisco System	s, Inc.		Ran, Adee	•		Cisco System	s, Inc.	
omment Ty	pe E	Comment Status X		bucket_EZ	Comment	Туре	Е	Comment Status D		bucket_EZ
	f amendments				Task F	Force re	eview has	completed.		
,		dments are listed in the propo	sed response.		Suggested	Remed	dy			
uggestedRe					Chang	je "Tas	k Force re	view" to "Working Group Ball	ot".	
to	as amended b	y IEEE Std 802.3yy-20xx"			Proposed	Respor	nse	Response Status W		
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least 9 pi	ublished amen	dments, and at least one in W	/G ballot ahead	of this draft. It is	PROP	OSED	ACCEPT.			
		of the other changes so that the numbers and other changes m			C/ FM	SC	FM	P 8	L 3	# 26
		& 45 in places near or at whe			Ran, Adee	•		Cisco System	s, Inc.	
		y marking this comment, whic	in seems minor,	as required.	Comment	Туре	Е	Comment Status X		bucket_EZ
iggestedRe		.3y-20xx" with the list of publi	shed amendeme	ants and those ahead of	The pl	acehol	ders in the	text box should be replaced		
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	e, cx, cz, cy, d this amendme	f, and Cor1 listed in the intro	duction), as well	as 802.3da which is		e from				
		existing clauses (30, 45, and	80) to determin	e whether any section		Std 80 from P/		x, IEEE Draft Standard for Et	hernet. Amendn	nent: Amendment title
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							ACCEPT.			

C/ FM SC FM

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Ran, Adee	Cisco System	ns, Inc.		Ran, Ade	e		Cisco Systen	ns, Inc.	
Comment Type E	Comment Status X		bucket_EZ	Comment	tType TR	Comment	t Status D		consistency_cp
Placeholder should be	e replaced			The p	project description	n refers to "a s	ingle strand of	single-mode fibe	er". The word "strand" se standard has only 3
SuggestedRemedy					nces of "strand", a				se standard has only 5
Change "IEEE Std 80	2.3xx-20xx" to "IEEE Std 802.	3dk-20xx"		It is u	nclear what "strar	nd" means.			
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C/ 00 SC 0	P 0	LO	# 53	in 30.	5.1.1.2.		-		
Regev, Alon	Keysight			Imple	ment across the	draft (3 instan	ces, and possb	ly other places a	as appropriate).
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SuggestedRemedy				Wienckov	vski, Natalie		IVN Solutions	s LLC	
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(See IEEE Std 802.3, Clause 168.) Proposed IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional Proposed e fiber with reach up to at least 20 km. There are different ASE-BR20-U; a transmission path r. (See IEEE Std 802.3, Clause 168.) Proposed IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional Proposed e fiber with reach up to at least 40 km. There are different ASE-BR40-D and 100GBASE-BR40-U; a transmission path Proposed r. (See IEEE Std 802.3, Clause 168.) Dawe, Pie Comment Response Status W Unlike Order Dawe, Pie Vidia quick review Proposed Proposed read with editorial license. Proposed Proposed Vidia quick review Proposed Proposed read missing C/ 30 Zimmerma Suggested	BroadcomHuber, ThomasComment Status Xquick review0GBASE-BR10/20quick reviewIEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 10 km. There are different ASE-BR10-D and 100GBASE-BR10-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)Suggested Response PROPOSED ACCI See comment #133IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 20 km. There are different ASE-BR20-D and 100GBASE-BR20-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)Proposed Response PROPOSED ACCI See comment #133IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 40 km. There are different ASE-BR40-D and 100GBASE-BR40-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)C/ 30 SC 30.5.IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 40 km. There are different ASE-BR40-D and 100GBASE-BR40-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)C/ 30 SC 30.5.IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 40 km. There are different ASE-BR40-D and 100GBASE-BR40-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)C/ 30 SC 30.5.IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 40 km. There are different ASE-BR40-D and 100GBASE-BR40-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)C/ 30 SC 30.5.IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with eacting and an up of the specification for a 100 Gb/s bidirectional e fib	BroadcomComment Status Xquick review0GBASE-BR10/20quick reviewIEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 10 km. There are different ASE-BR10-D and 100GBASE-BR10-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)SuggestedRemedy Change the editing instruction SYNTAX" section of 30.5.1.1.2 Proposed ResponseIEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 20 km. There are different ASE-BR20-D and 100GBASE-BR20-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)Proposed Response Resp PROPOSED ACCEPT IN PRI See comment #135.IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional e fiber with reach up to at least 40 km. There are different ASE-BR40-D and 100GBASE-BR40-U; a transmission path r. (See IEEE Std 802.3, Clause 168.)Proposed Response Resp PROPOSED ACCEPT IN PRI See comment #135.Response Status W I PRINCIPLE. nedy with editorial license.P12L0# 134Nvidia comment Status X s are missingquick review s are missingProposed Response Resp PROPOSED ACCEPT.Proposed Response Comment Type ECon Comment Type EResponse Status WComment 1.4.24 100BASE-X and before 1.4.24a 100GBASE-CR1Proposed Response Resp PROPOSED ACCEPT.C/ 30SC 30.5.1.1.2Comment Type ECon Comment Type ECon Comment Type CCon Comment Type CCon Comment Type CResponse Status WSuggestedRemedyChange Type CAs a card-carrying BASE-T qu 100GBASE-T. Where does th MAUs are the first in the 100C	Broadcom Iuber, Thomas Nokia Comment Status X quick review 0GBASE-BR10/20 Iuber, Thomas Nokia IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional fiber with reach up to at least 10 km. There are different ASE-BR10-D and 100GBASE-BR10-U; a transmission path r. (See IEEE 504 602.3, Clause 168.) SuggestedRemedy IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional fiber with reach up to at least 20 km. There are different ASE-BR20-D and 100GBASE-BR20-U; a transmission path r. (See IEEE 503 80.2.3, Clause 168.) WPROPOSED ACCEPT IN PRINCIPLE. See IEEE 503 80.2.3, Clause 168.) See comment #135. VITAX" section of 30.5.1.1.2 P12 I See IEEE 503 80.2.3, Clause 168.) Meximum status X quick review Quick review Response Status W P12 L0 # 134 Nvidia Comment Status X Quick review s are missing Comment Status X quick review s are missing Comment Status X P12 L0 Response Status W PROPOSED ACCEPT. Cl 30 SC 30.5.1.1.2 P12 Itions after 1.4.24 100BASE-X and before 1.4.24a 100GBASE-CR1 Response Status W PROPOSED ACCEPT. Cl 30 SC 30.5.1.1.2 P12 Itin errot of BASE-X an	Broadcom Index Comment Status X quick review 0GBASE-BR10/20 E Comment Status X IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional fiber with reach up to at least 10 km. There are different ASE-BR10-D; at ransmission path r. (See IEEE Std 802.3, Clause 168.) Suggested/Remedy Charge the editing instruction to say "Insert the following types into the synthax" section of 30.5.1.1.2 after 500GBASE-SR: W Proposed Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment \$135. Notia Comment Status X Uoing Kase Prior 100GBASE-BR10-U; a transmission path r. (See IEEE Std 802.3, Clause 168.) Notia IEEE 802.3 Physical Layer specification for a 100 Gb/s bidirectional ASE-BR10-D; at transmission path r. (See IEEE Std 802.3, Clause 168.) Noidia Noidia Response Status W PROPOSED ACCEPT IN RINCIPLE. See comment \$135. V medy with editorial license. Noidia Comment Status X Unlike most tables which are in order of MAC rate - reach - length, th order Suggested/Remedy Change *30.5.1.1.2 P12 L12 Change *30.5.1.1.2 P12 L12 Comment Status X quick review Suggested/Remedy Change *30.5.1.1.2 P12 L12 Comment S

C/ 30 SC 30.5.1.1.2

CI 30	SC 30.5.1.1.2	P 12	L12	# 105	C/ 30	SC 30.5.1.1.2	P 12	L 20	# 58
lavick, Je	ff	Broadcom			Regev, Al	on	Keysig	ht	
Comment 1 100GB	<i>Type</i> ER ASE-T does not e	Comment Status X		bucket_EZ	Comment Refere		Comment Status 2 168" should be links	K	bucket_EZ
	e the editing instr X" section of 30.	uctions to be "Insert the follo 5.1.1.2 before 100GBASE-Cl	0 71		168"	es 20, 23, 26, 29, 3	32, and 35 make the r	eferences to "Clause	e 168" into links to "Clause
Proposed I		Response Status W N PRINCIPLE.			PROF See c	Response POSED ACCEPT. omment #114.	Response Status		
C/ 30	SC 30.5.1.1.2	P12	L16	# 136	C/ 30	SC 30.5.1.1.2		L 20	# 114
awe, Pier		Nvidia	210	# [100		an, George			nSemi,Sony,SenTekse
omment	Type E	Comment Status X		bucket_EZ	Comment Claus		Comment Status 2 s should be active cros	•	<i>bucket_EZ</i> links) - they are not.
So that	t the reviewers ca	in confirm that the new mater	ial is inserted ir	the correct place	Suggestee	dRemedy			
uggested					Repla	ice "Clause 168" te	ext at lines 20, 23, 26,	29, 32, and 35 with	active cross references
Please	show one row be	efore and one after the new n	naterial		Proposed	Response	Response Status	N	
•	Response OSED ACCEPT.	Response Status W			PROF	POSED ACCEPT.			
Editor's	s note: w before is: 50GE	ASE-SR 50GBASE-R PCS/F	MA over multir	node fiber PMD as	<i>Cl</i> 30 Dawe. Pie	SC 30.5.1.1.2	P 12 Nvidia	L 23	# 139
one ro		ASE-CR2 100GBASE-R PCS specified in Clause 136.	6/PMA over 2 la	ne shielded copper	Comment Three	Туре Е	Comment Status	ĸ	bucket_EZ
30	SC 30.5.1.1.2	P12	L18	# 137	Suggestee				
awe, Pier	ſS	Nvidia			Shoul	d not be underline	d		
omment i In 30.5		Comment Status X describe these MAU types "b	i-directional" wł	<i>quick review</i> nen others such as		Response POSED ACCEPT.	Response Status	N	
	SE-BR10 and 40 ta hyphen.	GBASE-T are not described	like that. By the	e way, 802.3 spells it	C/ 30	SC 30.5.1.1.2	P 12	L 23	# 138
uggested	Remedy				Dawe, Pie	ers	Nvidia		
Either these of		iption of many MAUs (via ma	intenance?) or	don't use the word for	Comment Trailir	<i>Type</i> E ng blanks	Comment Status	ס	bucket_EZ
roposed I	Response	Response Status W			Suggestee	•			
	OSED ACCEPT I the description of	N PRINCIPLE. f 50GBASE-BRx.			00		ere are five in this pag	ge	
	-					Response POSED ACCEPT.	Response Status	N	
		I ER/editorial required GR/g patched A/accepted R/reject				U/unsatisfied Z/		C/ 30 SC 30.5.1.1.2	Page 5 of 50 2025/4/18 22:53

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 30.5.1.1.2 2025/4/18 22:55:17 SORT ORDER: Clause, Subclause, page, line

C/ 45 SC 2.1.28	3	P 15	L 43	# 221	Cl 45	SC 45.2.1.7.4	P 13	L12	# 29
Effenberger, Frank	F	Futurewei Tec	hnologies		Ran, Adee	9	Cisco Sy	stems, Inc.	
comment Type E	Comment St	atus X		CL45_controlregister	Comment	Type ER	Comment Status X		bucket_EZ
Table 45-50: The re be reserved. SuggestedRemedy Add the following: 1 1 x x x x = Resen 1 0 1 1 1 x = Reserved.	ved	quite right, as	there are wo o	codepoints that need to	version Similar I believ ameno	n the amendment rly for other tables ve the current ver dments.	in existing clauses (45	5 and 80). 02.3df-2024. Other t	ables may be in different
Proposed Response	Response Sta	atus W			The la	bel in the suggest	ed remedy is based on	the label in 802.3df.	
PROPOSED ACCE	EPT IN PRINCIPLE.				Suggested	IRemedy			
Add the following: 1 0 1 1 1 x = Reser (1 1 x x x x = Reser C/ 45 SC 45.2.2	rved is already desci	ripted in the ta	able). <i>L</i> 10	# 224	Insert 2022, follows	a new row in Tabl and IEEE 802.3df s (some unchange	n before Table 45-9, ch e 45–9 (as modified by -2024) after the row for ed rows not shown):" ns in clause 45 and clau	IEEE Std 802.3db-20 "100GBASE-LR4, 10	00GBASE-ER4", as
Vienckowski, Natalie	Г	VN Solutions	LLC		Proposed		Response Status W		
Comment Type E	Comment St	atus D		bucket_EZ	•	OSED ACCEPT I	•		
Includes an unchar	nged row when the e	diting instruct	ions say it doe	sn't.	Implen	nent suggested re	medy with editorial lice	nse.	
SuggestedRemedy					C/ 45	SC 45.2.1.7.4	P 13	L 20	# 140
Delete unchanged	row				Dawe, Pie	rs	Nvidia		
Proposed Response PROPOSED ACCE	Response Sta	atus W			<i>Comment</i> So tha	51	Comment Status D in confirm that the new	material is inserted ir	<i>bucket_EZ</i> the correct place
					Suggested Please	•	efore and one after the	new material	
						<i>Response</i> OSED REJECT. omment #224.	Response Status W		
					C/ 45	SC 45.2.1.7.5	P13	L38	# 141
					Dawe, Pie	rs	Nvidia		
					Comment	Туре Е	Comment Status D		bucket_EZ
					So tha	t the reviewers ca	n confirm that the new	material is inserted ir	the correct place
					Suggested Please	,	efore and one after the	new material	
					Proposed	Response	Response Status W		
					PROP	OSED REJECT. omment #225.			
			•	d T/technical E/editorial G/g NSE STATUS: O/open W/wri		U/unsatisfied Z/v		/ 45 C 45.2.1.7.5	Page 6 of 50 2025/4/18 22:55

SORT ORDER: Clause, Subclause, page, line

CI 45 SC 45.2.1.7.	.5 P13	L 40	# 225	CI 45	SC 45.2.1.27b	P 14	L13	# 97
Wienckowski, Natalie	IVN Solutions	LLC		Slavick, Je	eff	Broadcom		
Comment Type E Includes an unchange	Comment Status D d row when the editing instruc	tions say it does	<i>bucket_EZ</i> :n't.	<i>Comment</i> Std 80		Comment Status X A/PMD extended ability 2 is	clause 45.2.1.3	<i>bucket_E</i> 2 3 and Table 45-37.
SuggestedRemedy Delete unchanged row Proposed Response	v Response Status W				-	g to align with base standar	d and update ec	liting instructions
PROPOSED ACCEPT				Proposed PROP	Response OSED ACCEPT II	Response Status W NPRINCIPLE.		
C/ 45 SC 45.2.1.8	P 14	L 5	# 143	See co	omment #144.			
Dawe, Piers	Nvidia			CI 45	SC 45.2.1.27b	P 14	L13	# 123
Comment Type E	Comment Status D		bucket_EZ	Huber, The	omas	Nokia		
So that the reviewers	can confirm that the new mate	rial is inserted in	n the correct place	Comment	Туре Е	Comment Status D		bucket_E2
SuggestedRemedy Please show one row	before and one after the new	material			ause number for E number is 45-37.	iDi PMA/PMD extended abi	lity 2 (register 1.	.35) is 45.2.1.33. The
Proposed Response	Response Status W			Suggestea	IRemedy			
PROPOSED REJECT See comment #226.	,			say "Ir	nsert new rows in ⊺	per from 45.2.1.27b to 45.2. able 45-37 above the row fo wn):", and change the table	or "1.35.5" as sh	nown (additional
C/ 45 SC 45.2.1.8	.1 P13	L 48	# 142	Proposed	-	Response Status W		
Dawe, Piers	Nvidia			PROP	OSED ACCEPT II	, N PRINCIPLE.		
Comment Type E	Comment Status D		bucket_EZ	See co	omment #144.			
Table 45-12 is part of	45.2.1.8 not 45.2.1.8.1			CI 45	SC 45.2.1.27b	P 14	L13	# 227
SuggestedRemedy				Wienckow	ski, Natalie	IVN Solutions	LLC	
Delete "45.2.1.8.1 PM	D transmit disable 14 (1.9.15)	•		Comment		Comment Status D		bucket_E
Proposed Response PROPOSED ACCEP1	Response Status W			The Cl 2021.	lause numbers fro	m P802.3-2022 need to be ι	used, not the nu	mbers from P802.3cp-
C/ 45 SC 45.2.1.8	.1 <i>P</i> 14	L 7	# 226	Suggested Chang		.2.1.33 and reorder to put th	ne clauses in the	e correct order
Vienckowski. Natalie	IVN Solutions	LLC		Proposed		•		
Comment Type E Includes an unchange	Comment Status D d row when the editing instruc	tions sav it does	<i>bucket_EZ</i>	PROP	OSED ACCEPT. omment #144.	Response Status W		
SuggestedRemedy Delete unchanged row	C C	,						
Proposed Response PROPOSED ACCEP1	Response Status W							
VPE: TR/technical requir	ed ER/editorial required GR/	neneral required	T/technical E/editorial G/ge	eneral		C/ 45		Page 7 of 50

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: Clause, Subclause, page, line

 C/
 45
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 SC
 45.2.1.27b
 2025/4/18
 22:55:17

Cl 45	SC 45.2.1.27b	P 14	L13	# 144	C/ 45	SC 45.2.1.2	7b	P14	L 44	# 98
Dawe, Pi	ers	Nvidia			Slavick, Je	eff		Broadcom		
Commen	t Type E	Comment Status D		bucket_EZ	Comment	Type ER	Comme	nt Status X		bucket_EZ
Wron	g subclause numbe	ər								est. So the new clauses
Suggeste	dRemedy					e adding highei bing bits 5:0.	r numbered b	its should be inse	erted "before" the	e existing sub-clases
Chan	ge 45.2.1.27b to 45	5.2.1.33 and move this and	its subclauses af	er 45.2.1.28.	Suggested	0				
Proposed	l Response	Response Status W			••	-	ction to insert	the new clauses	"before 45.2.1.3	3.1" (after correcting to
	POSED ACCEPT II					tandard clause				
Chan	ge 45.2.1.27b to 45	5.2.1.33 and move this and	its subclauses af	er 45.2.1.33.6.	Proposed I	Response	Respons	e Status 🛛 🛛 🛛 🛛 🛛 🖉		
C/ 45	SC 45.2.1.27b	P14	L15	# 228		OSED ACCEP				
Wienckow	wski, Natalie	IVN Solutions	s LLC		Implen	nent suggested	remedy with	editorial license.		
Commen	tType E	Comment Status D		bucket_EZ	C/ 45	SC 45.2.1.2	7b.7	P 14	L 43	# 229
		n P802.3-2022 need to be u	ised, not the num	pers from P802.3cp-	Wienckow	ski, Natalie		IVN Solutions	S LLC	
2021					Comment	Туре Е	Comme	nt Status D		bucket_EZ
••	dRemedy									mbers from P802.3cp-
Chan	ge Table 45-31b to	Table 45-37, also on line 1	.9			Also, the highe ons go before t			ore the lower num	nber bits so the new bit
Proposed	l Response	Response Status W				0	ne existing of	165.		
PRO	POSED ACCEPT.				Suggested		45 0 1 07h 1	2 after 45.2.1.27	h 6	
C/ 45	SC 45.2.1.27b	P 14	L39	# 145		5.2.1.33.a-45.2.			5.0	
Dawe, Pi		Nvidia			Proposed I	Response	Respons	e Status W		
Comment		Comment Status D		bucket EZ	PROP	OSED ACCEP	T.			
	51	n confirm that the new mate	erial is inserted in		See co	omment #144.				
	dRemedy			·	C/ 45	SC 45.2.1.2	7b.7	P 14	L 43	# 115
	-	ter the new material			Zimmerma	an, George		ADI,APLgp,C	isco,Marvell,On	Semi,Sony,SenTekse
Proposeo	l Response	Response Status W			Comment	Туре Е	Comme	nt Status X		bucket_EZ
PRO	POSED REJECT. w the format of da,				Insert instruc		tions are with	out underscores	(those are for ins	erts on a "Change"
	,	-1.			Suggested	lRemedy				
					Remov	ve underscores	in 45.2.1.27b	0.7 through 45.2.1	I.27b.12 (includir	ng on paragraph text).
										0 1 0 1 /
					Proposed	Response	Respons	e Status W		0 1 0 1 ,

C/ 45 SC 45.2.1.27b.7

Cl 45	SC 45.2.1.27b.7	P 14	L 45	# 230	CI 45	SC 45.2.1.27	b.9	P15	L 8	# 232
Wienckow	ski, Natalie	IVN Solutions	LLC		Wienckow	wski, Natalie		IVN Solution	s LLC	
Comment The C 2021.		Comment Status D P802.3-2022 need to be u	ised, not the nu	<i>bucket_EZ</i> mbers from P802.3cp-	Commen The (2021	Clause numbers fro		t Status D 022 need to be	used, not the nur	<i>bucket_EZ</i> nbers from P802.3cp-
Suggested Chang	<i>Remedy</i> e 45.2.1.27b.7 to 4	5.2.1.33.a			00	dRemedy ge 45.2.1.27b.9 to	o 45.2.1.33.c			
PROF	Response F OSED ACCEPT. omment #144.	Response Status W				l Response POSED ACCEPT.	Response	Status W		
C/ 45	SC 45.2.1.27b.7	P 14	L 46	# 124	Cl 45	SC 45.2.1.27	o.10	P 15	L13	# 265
Huber, Th	omas	Nokia				wski, Natalie		IVN Solution	s LLC	
Comment		Comment Status X		bucket EZ	Commen	51		t Status D		bucket_EZ
rather 45.2.1	than in 45.2.1.27b. \$.33.1 concerns bit 5,	o the new bits in table 45-3 Since the current set of su 45.2.1.33.2 concerns bit fore the existing subclaus	bclauses go fror 4, etc.), for cons	m bit 5 to bit 0 (i.e., iistency, the new	2021 Suggeste				useu, not the hu	nbers from P802.3cp-
Suggested	IRemedy	-			Proposed	- I Response	Response	Status W		
		tion to say "Insert new sub		33.a to 45.2.1.33.f	PRO	POSED ACCEPT.				
	45.2.1.33.1". Chan .27b.7> 45.2.1.33.	ge the subclause heading a	s as follows:		C/ 45	SC 45.2.1.27	- 11	P15	L19	# 266
45.2.1	.27b.8> 45.2.1.33	b				wski. Natalie	J. I I	IVN Solution		# 200
	.27b.9> 45.2.1.33 .27b.10> 45.2.1.3				Commen	,	Comment	t Status D	S LLC	bucket EZ
45.2.1	.27b.11> 45.2.1.3 .27b.12> 45.2.1.3	3.e				Clause numbers fro		_	used, not the nur	mbers from P802.3cp-
Proposed	Response I	Response Status 🛛 🛛 🛛 🛛 🛛 🖉				dRemedy				
	OSED ACCEPT IN	PRINCIPLE.			00	ge 45.2.1.27b.11	to 45.2.1.33.	e		
					Proposed	l Response	Response	Status W		
C/ 45	SC 45.2.1.27b.8		L1	# 231	PRO	POSED ACCEPT.				
	ski, Natalie – –	IVN Solutions	LLC							
Comment	51	Comment Status D	and not the nu	bucket_EZ						
2021.	lause numbers from	P802.3-2022 need to be u	isea, not the hu	mbers from Pouz.scp-						
Suggested	IRemedy									
Chang	e 45.2.1.27b.8 to 4	5.2.1.33.b								
	Response F OSED ACCEPT.	Response Status W								
		-R/editorial required GR/	eneral required	T/technical E/editorial G/g	eneral			C/ 4	5	Page 9 of 50

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 45 SC 45.2.1.27b.11 Page 9 of 50 2025/4/18 22:55:17

C/ 45	SC 45.2.1.27b.	12 P15	L 25	# 267	C/ 45	SC 45.2.1.28	P15	L37	# 147
Wienckow	/ski, Natalie	IVN Solutions	s LLC		Dawe, Pie	ers	Nvidia		
Comment The C 2021.	51	Comment Status D n P802.3-2022 need to be	used, not the nur	<i>bucket_EZ</i> nbers from P802.3cp-	Comment 45.2.1	51	Comment Status D /PMD control register (Regis	ster 1.30)	quick review
Suggested	dRemedy ge 45.2.1.27b.12 to	9 45.2.1.33.f			Suggested Shoul comm	d have been 45.2	.1.27 PMA/PMD control 3 re	egister (Register	1.29) - but see another
	Response POSED ACCEPT.	Response Status W				Response POSED ACCEPT omment #146.	Response Status W IN PRINCIPLE.		
CI 45	SC 45.2.1.28	P 15	L 31	# 146	C/ 45	SC 45.2.1.28	P15	L 44	# 148
Dawe, Pie		Nvidia			Dawe, Pie		Nvidia		
	Type T	Comment Status X		quick review	Comment		Comment Status X		CL45 controlregiste
	out the 100GBASE- ASE-BR and 100G	BR PMA/PMD types in 1.2 BASE ?	9 with PQX rathe	r than in 1.7 with		x x x = Reserved			0240_00111011091000
Suggested	dRemedy				Suggested	dRemedy			
		0P/2B PMA/PMD control re			Also 1	0 1 1 1 x = Rese	erved - but see another comr	ment	
45.2.1 bit def	6 PMA/PMD contr finitions, values 1 1	.29) Table 45-30, PMA/PM ol 2 register (Register 1.7) 1 1 x x x. I bit 7 into use so there is a	Table 45-7, PMA	/PMD control 2 register	, PROF	Response POSED ACCEPT. ve using the resp	Response Status W		
Proposed	Response	Response Status W			C/ 45	SC 45.2.1.28	P15	L 44	# 57
	POSED ACCEPT IN				Regev, Al	on	Keysight		
Impler Table	00	nedy with editorial license.			Comment	Туре Т	Comment Status X		CL45_controlregiste
6543	3210				Instea	d of just deleting	"1 0 1 x x x = Reserved", rej	place it with "1 0	111x = Reserved"
		E-BR40-U PMA/PMD E-BR40-D PMA/PMD			Suggested	dRemedv			
		E-BR20-U PMA/PMD			00	,	1 x x x = Reserved", replace	e it with "1 0 1 1	1 x = Reserved"
		E-BR20-D PMA/PMD			Proposed	-	Response Status W		
		E-BR10-U PMA/PMD E-BR10-D PMA/PMD				POSED ACCEPT.	,		
111	1 0 0 1 = reserved						onse to comment #221.		
111	1 0 0 0 = 50GBASE	-BR40-U PMA/PMD□							

C/ 45 SC 45.2.1.28

C/ 45	SC 45.2.1.28	P15	L 44	# 80	C/ 45	SC 45.2.1.28	P 15	L 51	# 149
Simms, W	/illiam	NVIDIA			Dawe, Pie	ers	Nvidia		
<i>Comment</i> In Tat		Comment Status X 01110 and 101111 are unde	fined	CL45_controlregister	<i>Comment</i> So tha		Comment Status D an confirm that the new mate	rial is inserted in the	<i>bucket_EZ</i> correct place
S <i>uggeste</i> e Make	•	ng vlalues reserved			Suggested Please	-	ow after the new material		
PROF	Response POSED ACCEPT. ve using the respo	Response Status W				<i>Response</i> POSED REJECT. v the format of da	Response Status W		
CI 45	SC 45.2.1.28	P15	L 44	# 99	CI 45	SC 45.2.1.28	P15	L 51	# 150
Slavick, J	eff	Broadcom			Dawe, Pie	ers	Nvidia		
<i>Comment</i> In Tat		Comment Status X es for 101110 and 101111 ar	e no longer sp	CL45_controlregister ecified.	<i>Comment</i> There	<i>Type</i> E is no following ro	Comment Status D w		bucket_EZ
S <i>uggeste</i> e Add ir	2	rved to Table 45-30			Suggested Remo	dRemedy ve the row with th	ree dots		
PROF	Response POSED ACCEPT. ve using the respo	Response Status W				<i>Response</i> POSED REJECT. v the format of da	Response Status W		
C/ 45	SC 45.2.1.28	P 15	L 44	# 125	CI 80	SC 80.1	P 16	L 2	# 151
Huber, Th	iomas	Nokia			Dawe, Pie	ers	Nvidia		
Comment The v	51	Comment Status X d to be indicated as reserved		CL45_controlregister	<i>Comment</i> 80.1 (a	51	Comment Status D k) needs additions		quick review
Suggestee Insert		= Reserved" above the line f	for BR40-U.		Suggested Per co	d <i>Remedy</i> omment			
Proposed	Response	Response Status W			Proposed	Response	Response Status W		
	POSED ACCEPT. ve using the respo	nse to comment #221.			Add d h) The — Cla — Cla — Cla — Cla	POSED ACCEPT escription in Clau MDIs as specifie nuse 89 for 40GB, nuse 140 for 100G nuse 154 for 100G nuse 168 for 100G single lane data p	se 80.1 as: ed in: ASE-FR BASE-DR, 100GBASE-FR1 BASE-ZR BASE-BRx	, and 100GBASE-LR	1
					50G B	BiDi is missing fro	m Clause 131.1, maintenanc	e request?	

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 80

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 80.1

 SORT ORDER: Clause, Subclause, page, line
 SC 80.1
 SC 80.1

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CI 80 SC	80.1.3	P 16	L 2	# 152	C/ 80	SC 80.2.	5	P16	L 2	# 154
awe, Piers		Nvidia			Dawe, Pier	rs		Nvidia		
<i>comment Type</i> 80.1.3 (as me	E lodified by 3cł	Comment Status D <) needs additions		quick review	Comment 80.2.3			Comment Status D and 80.2.5 need addition	ons	bucke
uggestedReme Per commen					Suggested Per co	<i>Remedy</i> mment				
Proposed Respon PROPOSED See commer	ACCEPT IN	Response Status W PRINCIPLE.			Add 10	OSED ACCE 00GBASE-BI	EPT IN P Rx in Cla	use 80.2.3 and 80.2.5 a	as:	
80 SC	80.2.3	P 16	L 2	# 153				tion (FEC) sublayers ublayer is optional for 4	0GBASE-KR4. 4	0GBASE-CR4, and
awe, Piers		Nvidia			100GB	ASE-CR10				
and	Nomenclature	Comment Status D 100 Gb/s PHYs and clause correlation (10	0GBASE-P optic	bucket	KR4, 100GB 100GB	BASE-KP4, 1 BASE-LR1, 1	00GBAS 00GBAS	00GBASE-CR2, 100GB SE-SR2, 100GBASE-SF SE-ZR, and 100GBASE- pendent (PMD) sublaye	4, 100GBASE-D BRx PHYs.	BASE-KR2, 100GBASE- DR, 100GBASE-FR1,
uggestedReme Per commen	•				corres are spe	ponding med ecified in Cla	lia use 84 tl	SE-R, 100GBASE-P, ar hrough Clause 89, Clau		
roposed Respo	onse	Response Status W				h Clause 138 e 140, Clause		nd Clause 168.		
PROPOSED								nd Clause 168. P 16	L6	# 156
PROPOSED See related of	REJECT.	ause 157.	/ 2	# 155	Clause	e 140, Clause SC 80.4			L6	
PROPOSED See related of 80 SC	REJECT.	ause 157. P 16	L2	# 155	Clause C/ 80	e 140, Clause SC 80.4 rs	e 154, an	P 16	L 6	# 156
PROPOSED See related of 80 SC awe, Piers	REJECT. contents in Cl	ause 157. P 16 Nvidia	L 2		Clause Cl 80 Dawe, Pier Comment	e 140, Clause SC 80.4 rs <i>Type</i> E	e 154, an	P 16 Nvidia		# 156 bucket_E2
See related of 80 SC hawe, Piers homment Type	PREJECT. contents in Cl 80.2.5 E	ause 157. P 16 Nvidia Comment Status D	L 2	# 155 bucket	Clause Cl 80 Dawe, Pier Comment	SC 80.4 rs Type E ble is ordere	e 154, an	P 16 Nvidia Comment Status D		# 156 bucket_E2
PROPOSED See related of 80 SC awe, Piers omment Type Table 80-8, S and	REJECT. contents in Cl 80.2.5 E Summary of S Summary of S	ause 157. P 16 Nvidia	L2		Clause Cl 80 Dawe, Pieu Comment This ta Suggested Chang 80-7 (a	sC 80.4 rs Type E ble is ordere Remedy e "Insert thre	e 154, an C d by MA ee new rc y IEEE \$	P 16 Nvidia Comment Status D C rate - reach - length,	so these rows do	# <u>156</u> <i>bucket_E2</i> on't go at the end hree new rows in Table
PROPOSED See related of 80 SC awe, Piers omment Type Table 80-8, S and Table 80-9, S need addition	REJECT. contents in Cl 80.2.5 E Summary of S Summary of S ns	lause 157. P 16 Nvidia <i>Comment Status</i> D Skew constraints	L 2		Clause Cl 80 Dawe, Pieu Comment This ta Suggested Chang 80-7 (a	SC 80.4 rs Type E ble is ordere Remedy e "Insert thre as modified b BASE-ER4 P	e 154, an C d by MA ee new rc y IEEE S MD"	P 16 Nvidia Comment Status D C rate - reach - length, ows at the end of Table	so these rows do	# <u>156</u> bucket_E on't go at the end hree new rows in Table
PROPOSED See related of 80 SC awe, Piers omment Type Table 80-8, S and Table 80-9, S	REJECT. contents in Cl 80.2.5 E Summary of S Summary of S ns edy	lause 157. P 16 Nvidia <i>Comment Status</i> D Skew constraints	L2		Clause Cl 80 Dawe, Pier Comment This ta Suggested Chang 80-7 (a 100GB Proposed I PROPO	SC 80.4 rs Type E ble is ordere Remedy e "Insert thre as modified b ASE-ER4 P Response OSED ACCE	e 154, an C d by MA ee new ro y IEEE S MD" <i>R</i> EPT IN P	P16 Nvidia Comment Status D C rate - reach - length, ows at the end of Table Std 802.3db-2022) betw Response Status W RINCIPLE.	so these rows do 80-7" to "Insert t een 100GBASE-	# <u>156</u> bucket_E on't go at the end hree new rows in Table
PROPOSED See related of 80 SC awe, Piers omment Type Table 80-8, S and Table 80-9, S need additior uggestedRement	REJECT. contents in Cl 80.2.5 E Summary of S Summary of S ns edy nt	lause 157. P 16 Nvidia <i>Comment Status</i> D Skew constraints	L2		Clause Cl 80 Dawe, Pier Comment This ta Suggested Chang 80-7 (a 100GB Proposed I PROPO	SC 80.4 rs Type E ble is ordere Remedy e "Insert thre as modified b ASE-ER4 P Response OSED ACCE	e 154, an C d by MA ee new ro y IEEE S MD" <i>R</i> EPT IN P	P16 Nvidia Comment Status D C rate - reach - length, ows at the end of Table Std 802.3db-2022) betw response Status W	so these rows do 80-7" to "Insert t een 100GBASE-	# <u>156</u> <i>bucket_E</i> on't go at the end hree new rows in Table

CI 80 SC 80.4

C/ 80 SC 80.4	P 16	L12	# 157	C/ 80 SC 8	80.4	P 16	L17	# 159
Dawe, Piers	Nvidia			Dawe, Piers		Nvidia		
Comment Type E	Comment Status D		bucket	Comment Type	Е	Comment Status D		bucket_E
So that the reviewers c	an confirm that the new mate	rial is inserted in	the correct place	•		this amendment makes it lo	nger, so it should	d make the
SuggestedRemedy				consequential	0			
Please show one row b	pefore and one after the new r	naterial		SuggestedRemed	•	for 100 and one for 100		
Proposed Response	Response Status W			•	-	one for 40G and one for 100	IG.	
PROPOSED REJECT. Follow the format of da	, dj.			Proposed Respon PROPOSED A 802.3 editor w	ACCEPT I	Response Status W		
C/ 80 SC 80.4	P 16	L13	# 158	C/ 80 SC 8		P 16	L 20	# 160
Dawe, Piers	Nvidia			Dawe, Piers	00.1	Nvidia	-20	100
Comment Type E	Comment Status D		bucket_EZ	Comment Type	Е	Comment Status D		consistency_c
To match the existing e	entries					ew PMD clause. Insert:		consistency_o
SuggestedRemedy				SuggestedRemed	W			
				Guggeoteurternou	-			
Insert "Includes 2 m of	fiber." 3 times			Change the fir	rst paradra	aph of 80.7 as follows:		
Proposed Response	Response Status W			80.7 Protocol	implemen	aph of 80.7 as follows: tation conformance stateme	ent (PICS) proform	na
Proposed Response PROPOSED ACCEPT	Response Status W			80.7 Protocol Change the fir	implemen rst paragra	tation conformance stateme aph of 80.7 (as modified by I	EEE Std 802.3ck	<-2022) as follows:
Proposed Response PROPOSED ACCEPT See comment #101.	Response Status W IN PRINCIPLE.			80.7 Protocol Change the fir The supplier o 802.3, Clause	implemen rst paragra of a protoc 45, Claus	tation conformance stateme aph of 80.7 (as modified by l col implementation that is cla se 73, Clause 74, Clause 81	EEE Std 802.3ck imed to conform through Clause	<-2022) as follows: to any part of IEEE Std 89, Clause 91 through
Proposed Response PROPOSED ACCEPT See comment #101.	Response Status W IN PRINCIPLE. P16	L13	# 101	80.7 Protocol Change the fir The supplier o 802.3, Clause Clause 95, Cla	implemen rst paragra of a protoc 45, Claus ause 135	tation conformance stateme aph of 80.7 (as modified by l col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause	EEE Std 802.3ck imed to conform through Clause 140, Clause 152	<-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154,
Proposed Response PROPOSED ACCEPT See comment #101. C/ 80 SC 80.4 Slavick, Jeff	Response Status W IN PRINCIPLE. P16 Broadcom	L13		80.7 Protocol Change the fir The supplier o 802.3, Clause Clause 95, Cla _Clause 157,_	implemen rst paragra of a protoc 45, Claus ause 135 _ Clause 1	tation conformance stateme aph of 80.7 (as modified by l col implementation that is cla se 73, Clause 74, Clause 81	EEE Std 802.3ck imed to conform through Clause 140, Clause 152 related annexes	<-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s_,_ demonstrates
Proposed Response PROPOSED ACCEPT See comment #101. C/ 80 SC 80.4 Slavick, Jeff Comment Type TR	Response Status W IN PRINCIPLE. P16 Broadcom Comment Status D		bucket_EZ	80.7 Protocol Change the fir The supplier o 802.3, Clause Clause 95, Cla _Clause 157,_	implemen rst paragra of a protoc 45, Claus ause 135 _ Clause 1	tation conformance stateme aph of 80.7 (as modified by I col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause 161 through Clause 163, and	EEE Std 802.3ck imed to conform through Clause 140, Clause 152 related annexes	<-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s_,_ demonstrates
Proposed Response PROPOSED ACCEPT See comment #101. C/ 80 SC 80.4 Slavick, Jeff Comment Type TR The other optical PHYs	Response Status W IN PRINCIPLE. P16 Broadcom		bucket_EZ	80.7 Protocol Change the fir The supplier o 802.3, Clause Clause 95, Cla _Clause 157,_ compliance by proforma. Proposed Respon	implemen rst paragra of a protoc 45, Claus ause 135 Clause 1 y completi	tation conformance stateme aph of 80.7 (as modified by I col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause 161 through Clause 163, and	EEE Std 802.3ck imed to conform through Clause 140, Clause 152 related annexes	<-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s_,_ demonstrates
Proposed Response PROPOSED ACCEPT See comment #101. C/ 80 SC 80.4 Slavick, Jeff Comment Type TR The other optical PHYs SuggestedRemedy	Response Status W IN PRINCIPLE. P16 Broadcom Comment Status D		bucket_EZ	80.7 Protocol Change the fir The supplier o 802.3, Clause Clause 95, Cla _Clause 157, compliance by proforma.	implemen rst paragra of a protoc 45, Claus ause 135 _ Clause 1 y completi se REJECT.	tation conformance stateme aph of 80.7 (as modified by I col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause I61 through Clause 163, and ng a protocol implementation <i>Response Status</i> W	EEE Std 802.3ck imed to conform through Clause 140, Clause 152 related annexes	<-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s_,_ demonstrates
Proposed Response PROPOSED ACCEPT See comment #101. 2/ 80 SC 80.4 Slavick, Jeff Comment Type TR The other optical PHYs SuggestedRemedy Add "Includes 2m of fib Proposed Response	Response Status W IN PRINCIPLE. P16 Broadcom Comment Status D s in this table note that the del er." before the See 168.3.1 Response Status W		bucket_EZ	80.7 Protocol Change the fir The supplier o 802.3, Clause Clause 95, Cla _Clause 157, compliance by proforma. Proposed Respon PROPOSED F See related Pl	implemen rst paragra of a protoc 45, Claus ause 135 _ Clause 1 y completi se REJECT.	tation conformance stateme aph of 80.7 (as modified by I col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause I61 through Clause 163, and ng a protocol implementation <i>Response Status</i> W	EEE Std 802.3ck imed to conform through Clause 140, Clause 152 related annexes	<-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s_,_ demonstrates
Proposed Response PROPOSED ACCEPT See comment #101. C/ 80 SC 80.4 Slavick, Jeff Comment Type TR The other optical PHYs SuggestedRemedy	Response Status W IN PRINCIPLE. P16 Broadcom Comment Status D s in this table note that the del er." before the See 168.3.1 Response Status W		bucket_EZ	80.7 Protocol Change the fir The supplier o 802.3, Clause Clause 95, Cla _Clause 157, compliance by proforma. Proposed Respon PROPOSED F See related Pl	implemen rst paragra of a protoc 45, Clause ause 135 _ Clause 1 y completi y completi se REJECT. ICS clause	tation conformance stateme aph of 80.7 (as modified by l col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause 161 through Clause 163, and ng a protocol implementation <i>Response Status</i> W e in CL157.	EEE Std 802.3ck imed to conform through Clause i 140, Clause 152 d related annexes n conformance si	x-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s demonstrates tatement (PICS)
Proposed Response PROPOSED ACCEPT See comment #101. Cl 80 SC 80.4 Slavick, Jeff Comment Type TR The other optical PHYs SuggestedRemedy Add "Includes 2m of fib Proposed Response	Response Status W IN PRINCIPLE. P16 Broadcom Comment Status D s in this table note that the del er." before the See 168.3.1 Response Status W		bucket_EZ	80.7 Protocol Change the fir The supplier of 802.3, Clause Clause 95, Cla Clause 157, compliance by proforma. Proposed Respon PROPOSED F See related Pl C/ 91 SC 5	implemen rst paragra of a protoc 45, Clause ause 135 _ Clause 1 y completi se REJECT. ICS clause 91.5.2.7	tation conformance stateme aph of 80.7 (as modified by I col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause I61 through Clause 163, and ng a protocol implementation <i>Response Status</i> W e in CL157. P16	EEE Std 802.3ck imed to conform through Clause i 140, Clause 152 d related annexes n conformance si	x-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s demonstrates tatement (PICS)
Proposed Response PROPOSED ACCEPT See comment #101. 2/ 80 SC 80.4 Slavick, Jeff Comment Type TR The other optical PHYs SuggestedRemedy Add "Includes 2m of fib Proposed Response	Response Status W IN PRINCIPLE. P16 Broadcom Comment Status D s in this table note that the del er." before the See 168.3.1 Response Status W		bucket_EZ	80.7 Protocol Change the fir The supplier o 802.3, Clause Clause 95, Cla _Clause 157, compliance by proforma. Proposed Respon PROPOSED F See related PI C/ 91 SC S Dawe, Piers Comment Type	implemen rst paragra of a protoc 45, Clause ause 135 Clause 1 y completi se REJECT. ICS clause 91.5.2.7 E	tation conformance stateme aph of 80.7 (as modified by I col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause 161 through Clause 163, and ng a protocol implementation <i>Response Status</i> W e in CL157. P16 Nvidia	EEE Std 802.3ck imed to conform through Clause i 140, Clause 152 d related annexes n conformance si	<pre>k-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s_,_ demonstrates tatement (PICS)</pre>
Proposed Response PROPOSED ACCEPT See comment #101. 77 80 SC 80.4 Slavick, Jeff Comment Type TR The other optical PHYs SuggestedRemedy Add "Includes 2m of fib Proposed Response	Response Status W IN PRINCIPLE. P16 Broadcom Comment Status D s in this table note that the del er." before the See 168.3.1 Response Status W		bucket_EZ	80.7 Protocol Change the fir The supplier of 802.3, Clause Clause 95, Cla _Clause 157,_ compliance by proforma. Proposed Respon PROPOSED F See related Pl Cl 91 SC 9 Dawe, Piers Comment Type Missing mater	implemen rst paragra of a protoc 45, Claus ause 135 _ Clause 1 y completi se REJECT. ICS clause 91.5.2.7 E rial /y 2.7, 91.5.3	tation conformance stateme aph of 80.7 (as modified by I col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause 161 through Clause 163, and ng a protocol implementation <i>Response Status</i> W e in CL157. P16 Nvidia <i>Comment Status</i> D 3.3, 91.5.3.3.1, 91.6.3, 91.7.3	EEE Std 802.3ck imed to conform through Clause 1 140, Clause 152 d related annexes n conformance si	<pre>k-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s_,_ demonstrates tatement (PICS)</pre> # 161 FEC
Proposed Response PROPOSED ACCEPT See comment #101. Cl 80 SC 80.4 Slavick, Jeff Comment Type TR The other optical PHYs SuggestedRemedy Add "Includes 2m of fib Proposed Response	Response Status W IN PRINCIPLE. P16 Broadcom Comment Status D s in this table note that the del er." before the See 168.3.1 Response Status W		bucket_EZ	80.7 Protocol Change the fir The supplier of 802.3, Clause Clause 95, Cla Clause 157, compliance by proforma. Proposed Respon PROPOSED F See related Pl Cl 91 SC 9 Dawe, Piers Comment Type Missing mater SuggestedRemed Bring in 91.5.2	implemen rst paragra of a protoc 45, Claus ause 135 _ Clause 1 y completi se REJECT. ICS claus 91.5.2.7 E rial 2.7, 91.5.3 propriate c	tation conformance stateme aph of 80.7 (as modified by I col implementation that is cla se 73, Clause 74, Clause 81 through Clause 138, Clause 161 through Clause 163, and ng a protocol implementation <i>Response Status</i> W e in CL157. P16 Nvidia <i>Comment Status</i> D 3.3, 91.5.3.3.1, 91.6.3, 91.7.3	EEE Std 802.3ck imed to conform through Clause 1 140, Clause 152 d related annexes n conformance si	<pre>k-2022) as follows: to any part of IEEE Std 89, Clause 91 through 2 through Clause 154, s_,_ demonstrates tatement (PICS)</pre> # 161 FEC

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/91Page 13 of 50COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawnSC91.52.72025/4/18 22:55:18SORT ORDER: Clause, Subclause, page, line

C/ 135	SC 135.5.7	P 16	L 30	# 162	C/ 157	SC 15	7	P 17	L 1	# 126
Dawe, Pie	rs	Nvidia			Huber, The	omas		Nokia		
Comment	Туре Т	Comment Status D		bucket	Comment	Type E	Ξ	Comment Status D		bucket_EZ
Should	l precoding be al	lowed as an option?			This cl	ause is m	issing	editing instructions		
Suggestea	Remedy				Suggested	IRemedy				
		coding (135.5.7) as an option. ding to experience.	This could be o	controlled by the	"Chang	ge clauses	s 157 a	ion at the top of the page: and 157.1 as shown:"		
Proposed	Response	Response Status W						ion below clause 157.2: "Chang ough 157-5, as they are not be		.2.1 as shown"
	OSED REJECT. 135 is not inclu	ded in dk draft.			Add ar Add ar	n editing ir n editing ir	nstructi nstructi	ion: "Insert Table 157-6 below ion: "Change clauses 157.2.2 t	Гаble 157-5." nrough 157.2.	
C/ 157	SC 1.3	P18	L 1	# 220				and 157.2.7 since they are no ion: "Change clauses 157.3, 15		
Effenberge	er, Frank	Futurewei Tecl	hnologies		Proposed I	-		Response Status W		
Comment	Туре Е	Comment Status X		bucket	PROP	OSED AC	CEPT	IN PRINCIPLE.		
		rtunate in how it breaks over th	ne pages, and t	hen Table 157-2 gets	See co	omment # ⁻	102.			
	up in a weird wa	ay.			C/ 157	SC 15	7	P 17	L1	# 30
Suggestea	,				Ran, Adee			Cisco Systems	. Inc.	
	•	speeds onto a single figure.			Comment		ER	Comment Status X	,	bucket EZ
,	Response	Response Status W					instru	ction for clause 157.		
	OSED ACCEPT omment #127.	IN PRINCIPLE.						ndment includes the whole clau ecific changes, per the IEEE SA		
C/ 157	SC 157	P 17	L 1	# 116	Espec	iallv. chan	aes to	tables and the addition of a ne	w figure 157-1	1a should be separate
Zimmerma	n, George	ADI,APLgp,Cis	co,Marvell,On	Semi,Sony,SenTekse	instruc	tions. Tab	oles that	at are not changed at all (such a	as table 157-3	8 through table 157-5)
Comment	Туре Е	Comment Status D		bucket_EZ	should	not appe	ar in th	ie draft.		
		ruction for this clause. As the			Previo	us amend	Iments	can be used as references.		
		nge' editing marks (which is m 157 as shown:" may be used -			Suggested	IRemedy				
Suggestea		Tor as shown. May be abou	even mough n			ditorial ins Iments.	tructior	ns to each subclause that is ch	anged, as dor	ne in previous
Insert	editing instruction	n prior to header, "Change title	and text of Cla	use 157 as shown:"	Proposed I		•	Response Status W		
Proposed	Response	Response Status W				•		IN PRINCIPLE.		
	OSED ACCEPT mment #102.	IN PRINCIPLE.				omment #				

C/ 157 SC 157

C/ 157	SC 157.1	P 17	L 1	# 102	C/ 157	SC 157.1.2	P 17	L28	# 235
Slavick, Je	eff	Broadcom			Wienckows	ski, Natalie	IVN Solutions	LLC	
Comment	Type TR	Comment Status D		bucket_EZ	Comment T	Type ER	Comment Status D		bucket_E2
There	is no editing ins	truction for Clause 157 which is	an existing b	ase standard clause.			I points not properly indicated. eferences that refer to clauses		
	e the amount of	text, Figures and Tables to on	, ,	0	covered		dment are highlighted in green		
	id not the entire changed.	Clause. Inserting appropriate	editing instruct	ions for section that is	Suggested	Remedy			
Proposed I	-	Response Status W			Correct	t all external re	erences per instructions throu	ghout the docume	nt.
PROP	, OSED ACCEPT	IN PRINCIPLE. remedy with editorial license.			Proposed R PROPC	Response DSED ACCEP ⁻	Response Status W		
C/ 157	SC 157.1.1	P 17	L 3	# 233	C/ 157	SC 157.1.2	P 17	L30	# 86
Wienckow	ski, Natalie	IVN Solutions	LLC		Mi, Guango	can	Huawei Tech	nologies Co., Ltd	
Comment	Type E	Comment Status D		bucket_EZ	Comment T	Type ER	Comment Status X		bucket_E2
Missin	g editorial instru	ction.				.1.2 (for 50 Gb			
Suggested	lRemedy					o/s)", missing	and		
		 Change the first and second as it has no changes. 	l paragraphs o	of 157.1.1 as follows:	Suggested	,	r 50 Ch/a) and 00 4 2 (far		
Proposed I		Response Status W			100 Gb		r 50 Gb/s), and 80.1.3 (for		
PROP	,	IN PRINCIPLE.			Proposed R PROPC	Response	Response Status W		
C/ 157	SC 157.1.2	P17	L 23	# 234	C/ 157	SC 157.1.2	P 17	L30	# 81
Wienckow	ski, Natalie	IVN Solutions	LLC		Simms, Wil	lliam	NVIDIA		
Comment Missin	<i>Type</i> E g editorial instru	Comment Status D ction.		bucket_EZ	Comment T missing	<i>Type</i> E g 'and' before 8	Comment Status X 0.1.3		bucket_E2
Suggested	Remedy				Suggested				
Add eo	ditorial instructio	n: Change 157.1.2 as follows:			00		nsistent with the one removed	in front of 50 Gb/s	
	,	Response Status W IN PRINCIPLE.			Proposed R PROPC	Response DSED ACCEP ⁻	Response Status W		

C/ 157 SC 157.1.2 Page 15 of 50 2025/4/18 22:55:18

C/ 157 SC 157.1.2	P17	L30	# 64	C/ 157	SC	157.1.3	P18	L1	# 127
Regev, Alon	Keysight			Huber, Th	omas		Nokia		
Comment Type E	Comment Status X		bucket_EZ	Comment	Туре	т	Comment Status D		bucke
"80.1.3" shoul be "and 80. SuggestedRemedy				to intro	oduce th	ne 100G ra	entially the same for all ra ate, it would be better to u of all rates.		
change "80.1.3" to "and 80				Suggested	dRemea	ly			
Proposed Response PROPOSED ACCEPT.	Response Status W			CGMI	I". Chai	nge the Po	a starting point. Change " CS to "10GBASE-R, 25G GBASE-R PCS", referenc	BASE-R, 50GBAS	E-R, or 100GBASE-R
C/ 157 SC 157.1.2	P17	L 30	# 31	157-1)). Add n	ote 1 to th	ne FEC sublayer, saying "	conditional for 10G	BASE-BRx based on
Ran, Adee	Cisco Systen	ns, Inc.					m, list all the various PMI ure 157-1 with the figure		
Comment Type E Missing "and" before 80.1	Comment Status X		bucket_EZ	modifie	cations	to the title	of Figure 157-1. Delete nown as a change in the c	new figure 157-1a	
SuggestedRemedy				Proposed	Respon	se	Response Status W		
Insert "and"							IN PRINCIPLE. emedy with editorial licen	se.	
Proposed Response PROPOSED ACCEPT.	Response Status W			C/ 157	SC	157.1.3	P 18	L1	# 237
				Wienckow	/ski, Nat	alie	IVN Soluti	ons LLC	
C/ 157 SC 157.1.3	P17	L 51	# 236	Comment	Туре	Е	Comment Status D		bucke
Wienckowski, Natalie	IVN Solutions	s LLC			0	ial instruc			
Comment Type E	Comment Status D		bucket_EZ		0	0	should not be included.		
Missing editorial instructio			he included	Suggested					
The entire subclause shou SuggestedRemedy	ulan i be included, only the	changes should	be included.		ditorial i e the figu		: Change title of Figure 1	57-1 as follows:	
Add editorial instruction: (Change row "r" of Table 1	57-1 as follows (ι	inchanged rows not	Proposed	•		Response Status W		
shown): Delete text before the tabl	e and unchanged table ro	WS.			OSED /		IN PRINCIPLE.		
	Response Status W			C/ 157	SC	157.1.3	P 18	L35	# 239
PROPOSED ACCEPT IN Implement suggested rem				Wienckow	/ski, Nat	alie	IVN Soluti	ons LLC	
				<i>Comment</i> Missin		E ial instruc	Comment Status X		bucket_E2
				Suggested	dRemea	V			
				00			: Change the second pa	agraph of 157.1.3	as follows:
				Proposed			Response Status W	- •	
					•		IN PRINCIPLE. Implement	nt suggested reme	dy with editorial license.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/
 157
 Page 16 of 50

 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC
 157
 2025/4/18 22:55:18

 SORT ORDER: Clause, Subclause, page, line
 SC
 157
 2025/4/18 22:55:18

C/ 157 SC 157.1.3	P18	L35	# 238	C/ 157	SC 157.1.4	P 20	L 37	# 241
Wienckowski, Natalie	IVN Solutions I	LC		Wienckow	ski, Natalie	IVN Solutions	s LLC	
Comment Type E	Comment Status D		bucket_EZ	Comment	Туре Е	Comment Status X		bucket_E2
	roken up with a Figure in the	e middle of it. (Only the new rows	Missin	ig editorial instru	ction.		
should be shown.				Suggested	Remedy			
SuggestedRemedy	Insert new rows at the end c	f Tabla 157 0	as follows (unchanged	Add e	ditorial instructio	n: Change 157.1.4 as follows	:	
rows not shown):	insent new rows at the end t		as follows (unchanged	Proposed	Response	Response Status W		
Delete the first 18 rows of	f the table which are not cha	nged.		PROP	OSED ACCEPT	IN PRINCIPLE. Implement s	uggested remed	y with editorial license.
	Response Status W			C/ 157	SC 157.1.4	P 22	L31	# 163
PROPOSED ACCEPT IN	PRINCIPLE. Implement sug	ggested remed	y with editorial license.	Dawe. Pie		Nvidia	-••	
C/ 157 SC 157.1.3	P18	L 42	# 4	Comment		Comment Status X		AU
Schreiner, Stephan	Rosenberger H	lochfrequenzte	chnik GmbH & Co. KG		00GAUI-1 C2C a	and C2M		-
Comment Type E	Comment Status X		bucket	Suggested	lRemedv			
	it Ethernet BiDi PHYs is inte		ure 157-1a -	00	-	135G (2-lane PMA) and befor	e 168 (PMD). O	ptional.
	of 100 Gb/s Ethernet BiDi Ph	lYs.		Proposed	Response	Response Status W		
SuggestedRemedy				PROP	OSED ACCEPT	ED IN PRINCIPLE.		
Reorder from: "Figure 15 "Figure 157-1 Figure 1	7-1 … Table 157-2 … Figure 57-1a Table 157-2"	157-1a Tab	ble 157-2 (continued)" to	See co	omment #21.			
с с	Response Status W			C/ 157	SC 157.2	P 21	L15	# 1
PROPOSED ACCEPT IN	,			D'Ambrosi	ia, John	Futurewei, U.	S. Subsidiary of	Huawei
See comment #127.				Comment	Type ER	Comment Status D		bucket_E2
C/ 157 SC 157.1.3	P 19	L1	# 240			ote A only applies to the one o		noted, when in actuality
Wienckowski, Natalie	IVN Solutions I	LC				arious cells in the clause colu I57-4, 157-5, and 157-6	mns	
Comment Type E	Comment Status X		bucket	Suggested				
Missing editorial instruction	on.			00	-	ion of Note A in table to next t	to "Clause."	
SuggestedRemedy				Proposed	Response	Response Status W		
Add editorial instruction:	Insert Figure 157-1a after Fi	gure 157-1 as	follows:	•	OSED ACCEPT			
Proposed Response	Response Status W							
PROPOSED ACCEPT IN	PRINCIPLE.							
See comment #127.								

C/ 157 SC 157.2

C/ 157 SC 1	57.2	P 22	L 36	# 3	C/ 157	SC 157.2.1	P 21	L1	# 244
D'Ambrosia, John		Futurewei, U.S	6. Subsidiary of	Huawei	Wienckow	vski, Natalie	IVN Solution	ns LLC	
In Table 157-6, refers to "RS-Fl SuggestedRemedy	E Comment S Clause 91 title is noted EC." Reference Table 8 BASE-R FEC" to "100G	as "100GBAS 0-3a from IEE	E Std 802.3ck-2		Suggester Delete	e unchanged co dRemedy	Comment Status D ntent. able 157-4, Table 157-5. Response Status W		bucket_EZ
Proposed Respons PROPOSED A		atus W			PROF	POSED ACCEP	, Г.		
C/ 157 SC 1	57.2.1	P 20	L 45	# 242	C/ 157	SC 157.2.1	P 21	L15	# 5
Wienckowski, Nata	lie	IVN Solutions	ПС			, Stephan	•	er Hochfrequenzte	echnik GmbH & Co. KG
2	E Comment S	tatus X		bucket_EZ		157-3 has ist fo	Comment Status D otnote index on the Mandato ex on line 2 column 2.	ry "M" in line 2, co	<i>bucket_EZ</i> olumn 3. All other tables
SuggestedRemedy					Suggestee	dRemedy			
Add editorial in	struction: Change title	157.2.1 as foll	ows:		Chang	ge the footnote i	ndex position to the Line: "10	GBASE-BR10-D	" , column "EEE"
Proposed Respons PROPOSED A	e Response St CCEPT IN PRINCIPLE.		ggested remed	y with editorial license.	, PROF	Response POSED ACCEP ⁻ omment #1.	Response Status W I IN PRINCIPLE.		
C/ 157 SC 1	57.2.1	P 20	L 48	# 243	C/ 157	SC 157.2.1	P 22	L26	# 245
Wienckowski, Nata		IVN Solutions	LLC			vski. Natalie	IVN Solution		
Comment Type Missing editoria		tatus X		bucket_EZ	Comment	,	Comment Status X		bucket_EZ
SuggestedRemedy Add editorial ins follows:	struction: Change the la	ast sentence o	f the first parag	graph of 157.2.1 as	Suggestee	dRemedy	on: Insert Table 157-6 after T	able 157-5 as fol	llows:
Move all text to changes.	before the tables. Dele	ete the unchan	ged sentences	as they have no	'	Response	Response Status W		
Proposed Response PROPOSED A	e Response St CCEPT IN PRINCIPLE.		ggested remed	y with editorial license.	PROF	OSED ACCEP	Γ IN PRINCIPLE. Implement	suggested remed	ly with editorial license.

C/ 157 SC 157.2.1

	C 157.2.1	P 22	L 27	# 87	Cl 157 SC 157.2.1	P 22	L32	# 59
Mi, Guangcan		Huawei Techr	ologies Co., Ltd		Regev, Alon	Keysight		
Comment Type	TR	Comment Status X		AUI	Comment Type E	Comment Status X		bucket_E2
Table 157-6	6. The 100G	bidi PMDs should also suppo	ort 100G AUI-1 C	2M	The clause numbers	in the column headers should	be links to the cla	auses
SuggestedRem	edy				SuggestedRemedy			
add two col	umns for 10	0G AUI-1 C2C(CL120F) and	100G AUI-1 C2N	I(120G) respectively .		abels "81", "82", "91", "83", "83	a", 83B", "83D", "	'83E", "135", "135D",
Proposed Resp	onse	Response Status W			"135E", "135F", and '			
		IN PRINCIPLE.			Proposed Response	Response Status W		
See comme	ent #21.				PROPOSED ACCEP This will be done by 8			
C/ 157 SC	C 157.2.1	P 22	L 30	# 21	C/ 157 SC 157.2.1		L 41	# 66
Lusted, Kent		Synopsys			Maki, Jeffery	Juniper Netv		# <u>00</u>
Comment Type	т	Comment Status X		AUI	Comment Type T	Comment Status X	VOINS	AU
The 100GA	UI-1 C2C ar	nd 100GAUI-1 C2M annexes	should be refere	nced in Table 157-6.	51	DOGAUI-1 C2M are missing.		AU
SuggestedRem	edy							
Add referen Type = optio		GAUI-1 C2C (Annex 120F) and	d 100GAUI-1 C2	M (Annex 120G).	SuggestedRemedy Add 100GAUI-1 C2C	& 100GAUI-1 C2M		
.)po opu					Proposed Response	Response Status W		
Proposed Resp	ULISE	Response Status W						
Proposed Resp PROPOSEI		Response Status W			PROPOSED ACCEP	,		
PROPOSEI	D ACCEPT				, ,	,		
PROPOSEI Implement	D ACCEPT	IN PRINCIPLE.	L 31	# 32	PROPOSED ACCEP	TED IN PRINCIPLE.	L 5	# 246
PROPOSEI Implement s C/ 157 SC	D ACCEPT suggested re	IN PRINCIPLE. emedy with editorial license.		# 32	PROPOSED ACCEP See comment #21.	TED IN PRINCIPLE.	-	# 246
PROPOSEI Implement	D ACCEPT suggested re C 157.2.1	IN PRINCIPLE. emedy with editorial license. P22		# <u>32</u> AUI	PROPOSED ACCEP See comment #21. Cl 157 SC 157.2.2	PTED IN PRINCIPLE.	-	# 246 bucket_E2
PROPOSEI Implement s Cl 157 SC Ran, Adee Comment Type I believe the	D ACCEPT suggested ro C 157.2.1 TR e AUIs defin	IN PRINCIPLE. emedy with editorial license. P22 Cisco System Comment Status X ed in 802.3ck (100GAUI-1 C2	s, Inc. C and C2M) are	AUI	PROPOSED ACCEP See comment #21. Cl 157 SC 157.2.2 Wienckowski, Natalie	PTED IN PRINCIPLE. P23 IVN Solution Comment Status X	-	
PROPOSEI Implement s Cl 157 SC Ran, Adee Comment Type I believe the 100GBASE	D ACCEPT suggested ro C 157.2.1 TR e AUIs defin E-BRx PHYs.	IN PRINCIPLE. emedy with editorial license. P22 Cisco System Comment Status X	s, Inc. C and C2M) are	AUI	PROPOSED ACCEP See comment #21. Cl 157 SC 157.2.2 Wienckowski, Natalie Comment Type E Missing editorial instr SuggestedRemedy	PTED IN PRINCIPLE. P23 IVN Solution Comment Status X ruction.	is LLC	
PROPOSEI Implement s Cl 157 SC Ran, Adee Comment Type I believe the 100GBASE SuggestedRem	D ACCEPT suggested ro C 157.2.1 TR e AUIs defin E-BRx PHYs. redy	IN PRINCIPLE. emedy with editorial license. P22 Cisco System Comment Status X ed in 802.3ck (100GAUI-1 C2 They should be included in T	s, Inc. C and C2M) are able 157-6.	AUI	PROPOSED ACCEP See comment #21. Cl 157 SC 157.2.2 Wienckowski, Natalie Comment Type E Missing editorial instr SuggestedRemedy	PTED IN PRINCIPLE. P23 IVN Solution Comment Status X	is LLC	
PROPOSEI Implement s Cl 157 SC Ran, Adee Comment Type I believe the 100GBASE SuggestedReme Add column	D ACCEPT suggested ro C 157.2.1 TR e AUIs defin -BRx PHYs. redy ns for Annex	IN PRINCIPLE. emedy with editorial license. P22 Cisco System <i>Comment Status</i> X ed in 802.3ck (100GAUI-1 C2 They should be included in T tes 120F and 120G, optional f	s, Inc. C and C2M) are able 157-6.	AUI	PROPOSED ACCEP See comment #21. Cl 157 SC 157.2.2 Wienckowski, Natalie Comment Type E Missing editorial instr SuggestedRemedy	PTED IN PRINCIPLE. P23 IVN Solution Comment Status X ruction.	is LLC	
PROPOSEI Implement s CI 157 SC Ran, Adee Comment Type I believe the 100GBASE SuggestedRem Add column Proposed Resp	D ACCEPT suggested ro C 157.2.1 TR e AUIs defin -BRx PHYs. redy ns for Annex conse	IN PRINCIPLE. emedy with editorial license. P22 Cisco System Comment Status X ed in 802.3ck (100GAUI-1 C2 They should be included in T	s, Inc. C and C2M) are able 157-6.	AUI	PROPOSED ACCEP See comment #21. Cl 157 SC 157.2.2 Wienckowski, Natalie Comment Type E Missing editorial instr SuggestedRemedy Add editorial instructi Proposed Response	PTED IN PRINCIPLE. P23 IVN Solution <i>Comment Status</i> X ruction. on: Change 157.2.2 as follow	is LLC	bucket_E

C/ 157 SC 157.2.2 Page 19 of 50 2025/4/18 22:55:18

C/ 157 SC 157.2.3	P 23	L12	# 247	C/ 157	SC 157.2.6	P 23	L39	# 250
Wienckowski, Natalie	IVN Solutions	LLC		Wienckow	vski, Natalie	IVN Soluti	ons LLC	
Comment Type E Missing editorial instruc	Comment Status X		bucket_EZ	<i>Comment</i> Uncha	<i>Type</i> E anged subclause	Comment Status D		bucket_EZ
SuggestedRemedy Add editorial instructior	n: Change 157.2.3 as follows	:		Suggested Delete	dRemedy e 157.2.6			
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE. Implement su	uggested remedy	y with editorial license.	, PROF	Response POSED ACCEPT omment #102.	Response Status WIIN PRINCIPLE.		
C/ 157 SC 157.2.4	P 23	L19	# 248	C/ 157	SC 157.2.7	P 23	L 43	# 251
Wienckowski, Natalie	IVN Solutions	LLC			vski. Natalie	r 23 IVN Soluti		# 251
Comment Type E Missing editorial instruc	Comment Status X		bucket_EZ	Comment	,	Comment Status D		bucket_EZ
	n: Change the second and th ph as it doesn't have any cha		of 157.2.4 as follows:	Suggested Delete	dRemedy e 157.2.7			
	Response Status W IN PRINCIPLE. Implement su	iggested remedy	with editorial license	,	Response POSED ACCEPT	Response Status W		
		aggeeted remeaj			omment #102.			
Cl 157 SC 157.2.4	P23	L 20	# 164		sc 157.3	P23	L 51	# 252
C/ 157 SC 157.2.4 Dawe, Piers	P 23 Nvidia		# 164	See c		P 23 IVN Soluti		# 252
C/ 157 SC 157.2.4 Dawe, Piers	P23			C/ 157 Wienckow Comment	SC 157.3 vski, Natalie <i>Type</i> E	IVN Soluti Comment Status X		
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E	P 23 Nvidia		# 164	See c Cl 157 Wienckow Comment Missir	SC 157.3 vski, Natalie <i>Type</i> E ng editorial instruc	IVN Soluti Comment Status X		# 252 bucket_EZ
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E medium independent SuggestedRemedy medium-independent	P 23 Nvidia		# 164	See o Cl 157 Wienckow Comment Missir Suggestee Add e	SC 157.3 vski, Natalie <i>Type</i> E ng editorial instruc dRemedy	IVN Soluti Comment Status X tion.	ons LLC	bucket_E2
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E medium independent SuggestedRemedy medium-independent	P23 Nvidia Comment Status D		# 164	Cl 157 Wienckow Comment Missir Suggester Add e Delete	SC 157.3 vski, Natalie <i>Type</i> E ng editorial instruct dRemedy vditorial instruction	IVN Soluti Comment Status X tion.	ons LLC	bucket_EZ
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E medium independent SuggestedRemedy medium-independent Proposed Response PROPOSED ACCEPT	P23 Nvidia Comment Status D		# 164 bucket_EZ	See c Cl 157 Wienckow Comment Missir Suggested Add e Delete Proposed	SC 157.3 vski, Natalie Type E ng editorial instruct dRemedy vditorial instruction e unchanged para Response	IVN Soluti Comment Status X stion.	ons LLC end of 157.3 as fol	bucket_E2
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E medium independent SuggestedRemedy medium-independent Proposed Response PROPOSED ACCEPT Cl 157 SC 157.2.5	P23 Nvidia Comment Status D	L 20	# 164	See c Cl 157 Wienckow Comment Missir Suggested Add e Delete Proposed	SC 157.3 vski, Natalie Type E ng editorial instruct dRemedy vditorial instruction e unchanged para Response	IVN Soluti Comment Status X stion. It Insert paragraph at the Igraphs. Response Status W	ons LLC end of 157.3 as fol	bucket_E2
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E medium independent SuggestedRemedy medium-independent Proposed Response PROPOSED ACCEPT Cl 157 SC 157.2.5 Wienckowski, Natalie	P23 Nvidia Comment Status D Response Status W P23 IVN Solutions Comment Status X	L 20	# 164 bucket_EZ	See c Cl 157 Wienckow Comment Missir Suggested Add e Delete Proposed	SC 157.3 vski, Natalie Type E ng editorial instruct dRemedy vditorial instruction e unchanged para Response	IVN Soluti Comment Status X stion. It Insert paragraph at the Igraphs. Response Status W	ons LLC end of 157.3 as fol	bucket_E2
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E medium independent SuggestedRemedy medium-independent Proposed Response PROPOSED ACCEPT Cl 157 SC 157.2.5 Wienckowski, Natalie Comment Type E Missing editorial instruct	P23 Nvidia Comment Status D Response Status W P23 IVN Solutions Comment Status X	L 20	# 164 bucket_EZ # 249	See c Cl 157 Wienckow Comment Missir Suggested Add e Delete Proposed	SC 157.3 vski, Natalie Type E ng editorial instruct dRemedy vditorial instruction e unchanged para Response	IVN Soluti Comment Status X stion. It Insert paragraph at the Igraphs. Response Status W	ons LLC end of 157.3 as fol	bucket_E2
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E medium independent SuggestedRemedy medium-independent Proposed Response PROPOSED ACCEPT Cl 157 SC 157.2.5 Wienckowski, Natalie Comment Type E Missing editorial instruct	P23 Nvidia Comment Status D Response Status W P23 IVN Solutions Comment Status X	L20 L34 LLC	# 164 bucket_EZ # 249	See c Cl 157 Wienckow Comment Missir Suggested Add e Delete Proposed	SC 157.3 vski, Natalie Type E ng editorial instruct dRemedy vditorial instruction e unchanged para Response	IVN Soluti Comment Status X stion. It Insert paragraph at the Igraphs. Response Status W	ons LLC end of 157.3 as fol	bucket_E2
Cl 157 SC 157.2.4 Dawe, Piers Comment Type E medium independent SuggestedRemedy medium-independent Proposed Response PROPOSED ACCEPT Cl 157 SC 157.2.5 Wienckowski, Natalie Comment Type E Missing editorial instruct	P23 Nvidia Comment Status D Response Status W P23 IVN Solutions Comment Status X ction.	L20 L34 LLC	# 164 bucket_EZ # 249	See c Cl 157 Wienckow Comment Missir Suggested Add e Delete Proposed	SC 157.3 vski, Natalie Type E ng editorial instruct dRemedy vditorial instruction e unchanged para Response	IVN Soluti Comment Status X stion. It Insert paragraph at the Igraphs. Response Status W	ons LLC end of 157.3 as fol	bucket_EZ

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

SC 157.3

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C/ 157 SC 157.3	P 24	L7	# 33	C/ 157 SC 157.3	P 24	L23	# 61
Ran, Adee	Cisco Systen	ns, Inc.		Regev, Alon	Keysight		
Comment Type E Missing period at the e	<i>Comment Status</i> X nd of the last paragraph.		Bucket_EZ	Comment Type E "80.4" should be a	Comment Status X		bucket_EZ
SuggestedRemedy Add a period.				SuggestedRemedy change "80.4" to a	link to "80.4"		
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed Response PROPOSED ACCI See comment #12			
C/ 157 SC 157.3	P 24	L 7	# 106	C/ 157 SC 157.4	P 24	L10	# 253
Zimmerman, George		Cisco,Marvell,On	Semi,Sony,SenTekse	Wienckowski. Natalie	IVN Solution	is LLC	
Comment Type E	Comment Status D	bring it in to the	bucket_EZ	Comment Type E	Comment Status X		bucket_EZ
to be made? - the exist	rnal cross reference or else l ing 80.3 does NOT reference			Missing editorial in	struction.		
to be made? - the exist) SuggestedRemedy	ing 80.3 does NOT reference (green) or bring it into the dra	e that it applies to	o 100GBASE-BRx PHYs	SuggestedRemedy Add editorial instru Delete unchanged	ction: Insert paragraph at the er paragraphs.	nd of 157.4 as fol	lows:
to be made? - the exist) SuggestedRemedy Mark 80.3 as External application to 100GBA: Proposed Response	ing 80.3 does NOT reference (green) or bring it into the dra SE-BRx PHYs. <i>Response Status</i> W	e that it applies to	o 100GBASE-BRx PHYs	SuggestedRemedy Add editorial instru Delete unchanged Proposed Response	ction: Insert paragraph at the er		
to be made? - the exist) SuggestedRemedy Mark 80.3 as External application to 100GBA	ing 80.3 does NOT reference (green) or bring it into the dra SE-BRx PHYs. <i>Response Status</i> W	e that it applies to	o 100GBASE-BRx PHYs	SuggestedRemedy Add editorial instru Delete unchanged Proposed Response	ction: Insert paragraph at the er paragraphs. <i>Response Status</i> W EPT IN PRINCIPLE. Implement s		
to be made? - the exist) SuggestedRemedy Mark 80.3 as External application to 100GBA Proposed Response PROPOSED ACCEPT See comment #60.	ing 80.3 does NOT reference (green) or bring it into the dra SE-BRx PHYs. <i>Response Status</i> W	e that it applies to	o 100GBASE-BRx PHYs	SuggestedRemedy Add editorial instru Delete unchanged Proposed Response PROPOSED ACCI	ction: Insert paragraph at the er paragraphs. <i>Response Status</i> W EPT IN PRINCIPLE. Implement s	suggested remed	ly with editorial license.
to be made? - the exist) SuggestedRemedy Mark 80.3 as External application to 100GBA: Proposed Response PROPOSED ACCEPT See comment #60. Cl 157 SC 157.3	ing 80.3 does NOT reference (green) or bring it into the dra SE-BRx PHYs. <i>Response Status</i> W	e that it applies to	o 100GBASE-BRx PHYs te changes to refernece	SuggestedRemedy Add editorial instru Delete unchanged Proposed Response PROPOSED ACCI	ction: Insert paragraph at the er paragraphs. <i>Response Status</i> W EPT IN PRINCIPLE. Implement s	suggested remed	ly with editorial license.
to be made? - the exist) SuggestedRemedy Mark 80.3 as External application to 100GBA Proposed Response PROPOSED ACCEPT See comment #60. Cl 157 SC 157.3 Regev, Alon Comment Type E	ing 80.3 does NOT reference (green) or bring it into the dra SE-BRx PHYs. <i>Response Status</i> W	e that it applies to	o 100GBASE-BRx PHYs te changes to refernece	SuggestedRemedy Add editorial instru Delete unchanged Proposed Response PROPOSED ACCI Cl 157 SC 157.4 Dawe, Piers Comment Type T	ction: Insert paragraph at the er paragraphs. Response Status W EPT IN PRINCIPLE. Implement s P24 Nvidia Comment Status D native delay specs are in 168.3,	suggested remed	ly with editorial license. # 1 <u>65</u> bucket
to be made? - the exist) SuggestedRemedy Mark 80.3 as External application to 100GBA: Proposed Response PROPOSED ACCEPT See comment #60. Cl 157 SC 157.3 Regev, Alon Comment Type E "80.3" should be a link	ing 80.3 does NOT reference (green) or bring it into the dra SE-BRx PHYs. <i>Response Status</i> W <i>P</i> 24 Keysight	e that it applies to	te changes to refernece # <u>60</u>	SuggestedRemedy Add editorial instru Delete unchanged Proposed Response PROPOSED ACCI Cl 157 SC 157.4 Dawe, Piers Comment Type T I think that the norr	ction: Insert paragraph at the er paragraphs. Response Status W EPT IN PRINCIPLE. Implement s P24 Nvidia Comment Status D native delay specs are in 168.3,	suggested remed	ly with editorial license. # 1 <u>65</u> bucket
to be made? - the exist) SuggestedRemedy Mark 80.3 as External application to 100GBA: Proposed Response PROPOSED ACCEPT See comment #60. C/ 157 SC 157.3 Regev, Alon Comment Type E "80.3" should be a link SuggestedRemedy	ing 80.3 does NOT reference (green) or bring it into the dra SE-BRx PHYs. <i>Response Status</i> W <i>P</i> 24 Keysight <i>Comment Status</i> X	e that it applies to	te changes to refernece # <u>60</u>	SuggestedRemedy Add editorial instru Delete unchanged Proposed Response PROPOSED ACCI Cl 157 SC 157.4 Dawe, Piers Comment Type T I think that the norr restatement for cla SuggestedRemedy	ction: Insert paragraph at the er paragraphs. Response Status W EPT IN PRINCIPLE. Implement s P24 Nvidia Comment Status D native delay specs are in 168.3,	suggested remed	ly with editorial license. # 1 <u>65</u> bucket
to be made? - the exist) SuggestedRemedy Mark 80.3 as External application to 100GBA Proposed Response PROPOSED ACCEPT See comment #60. C/ 157 SC 157.3 Regev, Alon Comment Type E	ing 80.3 does NOT reference (green) or bring it into the dra SE-BRx PHYs. <i>Response Status</i> W <i>P</i> 24 Keysight <i>Comment Status</i> X	e that it applies to	te changes to refernece # <u>60</u>	SuggestedRemedy Add editorial instru Delete unchanged Proposed Response PROPOSED ACCI Cl 157 SC 157.4 Dawe, Piers Comment Type T I think that the norr restatement for cla SuggestedRemedy	ction: Insert paragraph at the er paragraphs. <i>Response Status</i> W EPT IN PRINCIPLE. Implement s <i>P</i> 24 Nvidia <i>Comment Status</i> D native delay specs are in 168.3, rity.	suggested remed	dy with editorial license. # [<u>165</u> <i>bucket</i>

C/ 157 SC 157.4

C/ 157 SC 157.4	P 24	L 23	# 121	C/ 157	SC 157.6	P 24	L 46	# 34
Zimmerman, George	ADI,APLgp,C	isco,Marvell,On	Semi,Sony,SenTekse	Ran, Adee		Cisco Syster	ms, Inc.	
Comment Type E 80.4 should be an act	Comment Status X		bucket_EZ		ause does not	Comment Status D t include a PICS - it only refers		
SuggestedRemedy Replace 80.4 with an Proposed Response	active cross reference Response Status W			becaus amend	se it would not ment - it is no nat clauses 16	Subclause 157.6 should be re- be in scope), but even if it is r t helpful for readers and only a 1 through 167, added by the c	not, there is no ne adds editiorial bur	eed to change it in this den.
PROPOSED ACCEP This will be done by 8				Suggested				
`			"	Remov	e 157.6 from	the draft.		
C/ 157 SC 157.4	P 24	L 24	# 166	Proposed F	Response	Response Status W		
Dawe, Piers Comment Type E	Nvidia Comment Status D		bucket		OSED REJEC 157.6 is follo	T. wing Clause 80.7.		
Skew and Skew Varia	ation is missing			C/ 157	SC 157.6	P 24	L 47	# 255
SuggestedRemedy Add text to refer to 16	8.3.2, and refer to 80.5			Wienckows Comment T	,	IVN Solution	is LLC	bucket EZ
Proposed Response	Response Status W				g editorial inst			DUCKel_E2
PROPOSED REJECT Skew doen't apply to s				Suggested				
C/ 157 SC 157.5	P 24	L 39	# 254			ion: Change the first paragra aragraph as it doesn't have an		lows:
Wienckowski, Natalie	IVN Solutions	LLC		Proposed F	Response	Response Status W		
Comment Type E Unchanged subclause	Comment Status D		bucket_EZ	PROP	OSED ACCEF	PT IN PRINCIPLE. Implement	suggested remed	ly with editorial license.
0	5			C/ 157	SC 157.6	P 24	L 49	# 256
SuggestedRemedy Delete 157.5				Wienckows	ski, Natalie	IVN Solution	is LLC	
Proposed Response	Response Status W			Comment 7 broken	51	Comment Status D		bucket_EZ
PROPOSED ACCEP See comment #102.	T IN PRINCIPLE.			Suggested	<i>Remedy</i> Clause 45 link	as it is in the document. Corr	ect links not in th	e document as already
				Proposed F PROP	Response OSED ACCEF	Response Status W		

C/ 157 SC 157.6

	SC 157.6	P 24	L 50	# 128	C/ 158	SC 158.2	P 28	L 12	# 63
Huber, Tho	mas	Nokia			Regev, Alo	'n	Keysight		
Comment T	Гуре Т	Comment Status D		bucket	Comment 7	Гуре Е	Comment Status X		bucket_EZ
	ange to replace ectional PHYs.	clause 160 with 168 is not co	orrect; clauses 16	1 to 167 are unrelated	* "80.3" Suggested	should be a link Remedy			
SuggestedF	Remedy				00	e "80.3" to a link	to "80.3"		
Undo th	ne replacement	of 160 with 168, and add Cla	use 168 to the lis	t, so it reads " Clause	Proposed F		Response Status W		
	-	gh Clause 160, Clause 168, a	ind related annex	es		DSED ACCEPT	•		
Proposed R	SED ACCEPT	Response Status W							
	mment #167.	IN FRINCIFLE.			C/ 168	SC 168	P 26	LO	# 257
C/ 157	SC 157.6	P24	L 50	# 167	Wienckows	,	IVN Solutio	ns LLC	
Dawe, Piers		Vidia	230	# 107	Comment T	51	Comment Status X		bucket_EZ
Comment T		Comment Status D		bucket		g editorial instru	ction.		
		8 through Clause 160Clause	168, and related		Suggested Add ed		n: Insert Clause 168.		
SuggestedF	Remedy				Proposed F	Response	Response Status W		
		8 Xthrough Clause 160X , Cla	ause 159, Clause	e 160, or _Clause 168,_	, PROPO	, DSED ACCEPT	IN PRINCIPLE. Implement	suggested remed	ly with editorial license.
	ated annexes de ng a comma]	emonstrates					•		
Proposed R		Response Status W			C/ 168	SC 168	P 26	L 1	# 35
'	DSED ACCEPT				Ran, Adee		Cisco Syste	ems, Inc.	
	e the description				Comment 7	Type ER	Comment Status X		bucket EZ
						n oditorial instru			
Clause	45, Clause 49,	i as: Clause 73, Clause 74, Clause ause 160, Clause 168, and re		ause 112, Clause 114,	Missing	•	ction for clause 168.		
Clause Clause	45, Clause 49, 158 through Cla	Clause 73, Clause 74, Clause ause 160, Clause 168, and re	elated annexes.		Missing Suggestedi	Remedy	ction for clause 168.	2"	
Clause Clause Cl 157	45, Clause 49, 158 through Cla SC 157.6	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P 24		ause 112, Clause 114, # 103	Missing <i>Suggestedi</i> Add an	Remedy editorial instruc	ction for clause 168. ction: "Insert new clause 168	3".	
Clause Clause Cl 157 Slavick, Jef	45, Clause 49, 158 through Cla SC 157.6 ff	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P 24 Broadcom	elated annexes.	# 103	Missing Suggestedi Add an Proposed F	Remedy editorial instruc Response	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W	3".	
Clause Clause Clause Slavick, Jef Comment T	45, Clause 49, 158 through Cla SC 157.6 ff <i>Type</i> TR	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P 24 Broadcom <i>Comment Status</i> D	elated annexes.		Missing Suggested Add an Proposed F PROPO	Remedy editorial instruc Response DSED ACCEPT	ction for clause 168. ction: "Insert new clause 168		
Clause Clause Clause Clavick, Jef Comment T Clauses	45, Clause 49, 158 through Cla SC 157.6 ff <i>Type</i> TR s 161-167 are re	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P 24 Broadcom	elated annexes.	# 103	Missing Suggestedi Add an Proposed F PROP(Implem	Remedy editorial instruct Response DSED ACCEPT ient suggested	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W IN PRINCIPLE. remedy with editorial license	9.	_
Clause Clause Clause Clavick, Jef Comment T Clauses Cuggestedf	45, Clause 49, 158 through Cla SC 157.6 ff <i>Type</i> TR s 161-167 are re <i>Remedy</i>	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the	elated annexes. L 51 e BiDi PMDs	# 103 bucket	Missing Suggested Add an Proposed F PROPO Implem	Remedy editorial instruct Response DSED ACCEPT ent suggested SC 168	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W 'IN PRINCIPLE. remedy with editorial license	e. L1	# [117
Clause Clause Clause Clause Comment 7 Clause Suggested Remove	45, Clause 49, 158 through Cla SC 157.6 ff <i>Type</i> TR s 161-167 are re <i>Remedy</i> e the strikethough	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the gh of Clause 160 and insert a	elated annexes. L 51 e BiDi PMDs	# 103 bucket	Missing Suggested Add an Proposed F PROPO Implem Cl 168 Zimmerma	Remedy editorial instruct Response DSED ACCEPT nent suggested SC 168 n, George	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W IN PRINCIPLE. remedy with editorial license <i>P</i> 26 ADI,APLgp	e. L1	# [<u>117</u> Semi,Sony,SenTekse
Clause Clause Clavick, Jef Comment 7 Clauses Suggested Remove Proposed R	45, Clause 49, 158 through Cla SC 157.6 ff Fype TR s 161-167 are re Remedy e the strikethoug Response	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the gh of Clause 160 and insert a <i>Response Status</i> W	elated annexes. L 51 e BiDi PMDs	# 103 bucket	Missing Suggestedi Add an Proposed F PROPO Implem CI 168 Zimmerma Comment T	Remedy editorial instruct Response DSED ACCEPT nent suggested SC 168 n, George	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W TIN PRINCIPLE. remedy with editorial license <i>P</i> 26 ADI,APLgp, <i>Comment Status</i> X	e. L1	# [117
Clause Clause Clause Comment 7 Clauses Cuggested Remove Proposed R PROPC	45, Clause 49, 158 through Cla SC 157.6 ff <i>Type</i> TR s 161-167 are re <i>Remedy</i> e the strikethough	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the gh of Clause 160 and insert a <i>Response Status</i> W	elated annexes. L 51 e BiDi PMDs	# 103 bucket	Missing Suggested Add an Proposed F PROPO Implem Cl 168 Zimmerma Comment T Again,	Remedy editorial instruct Response DSED ACCEPT ent suggested SC 168 n, George Type E no editing instru	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W TIN PRINCIPLE. remedy with editorial license <i>P</i> 26 ADI,APLgp, <i>Comment Status</i> X	e. L1	# [<u>117</u> Semi,Sony,SenTekse
Clause Clause Clause Clause Comment 7 Clause Suggested Remove Proposed R PROPC	45, Clause 49, 158 through Cla SC 157.6 ff Fype TR s 161-167 are re Remedy e the strikethoug Response DSED ACCEPT	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the gh of Clause 160 and insert a <i>Response Status</i> W	elated annexes. L 51 e BiDi PMDs	# 103 bucket	Missing Suggested Add an Proposed F PROPO Implem Cl 168 Zimmerma Comment T Again, Suggested	Remedy editorial instruct Response DSED ACCEPT nent suggested SC 168 n, George Type E no editing instru Remedy	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W TIN PRINCIPLE. remedy with editorial license <i>P</i> 26 ADI,APLgp, <i>Comment Status</i> X	e. L1 ,Cisco,Marvell,On	# <mark>117</mark> Semi,Sony,SenTekse <i>bucket_EZ</i>
Clause Clause Clause Clause Comment 7 Clause Suggested Remove Proposed R PROPC	45, Clause 49, 158 through Cla SC 157.6 ff Fype TR s 161-167 are re Remedy e the strikethoug Response DSED ACCEPT	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the gh of Clause 160 and insert a <i>Response Status</i> W	elated annexes. L 51 e BiDi PMDs	# 103 bucket	Missing Suggestedi Add an Proposed F PROPO Implem Cl 168 Zimmerma Comment T Again, Suggestedi Insert e	Remedy editorial instruct Response DSED ACCEPT ent suggested SC 168 n, George Type E no editing instructio	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W "IN PRINCIPLE. remedy with editorial license <i>P</i> 26 ADI,APLgp, <i>Comment Status</i> X uction. n prior to header, "Insert Cla	e. L1 ,Cisco,Marvell,On	# <mark>117</mark> Semi,Sony,SenTekse <i>bucket_EZ</i>
Clause Clause Clause Clause Comment 7 Clause Suggested Remove Proposed R PROPC	45, Clause 49, 158 through Cla SC 157.6 ff Fype TR s 161-167 are re Remedy e the strikethoug Response DSED ACCEPT	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the gh of Clause 160 and insert a <i>Response Status</i> W	elated annexes. L 51 e BiDi PMDs	# 103 bucket	Missing Suggested Add an Proposed F PROPO Implem Cl 168 Zimmerma Comment T Again, Suggested Insert e Proposed F PROPO	Remedy editorial instruct Response DSED ACCEPT ent suggested in SC 168 n, George Type E no editing instructio Remedy editing instructio Response DSED ACCEPT	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W "IN PRINCIPLE. remedy with editorial license <i>P</i> 26 ADI,APLgp, <i>Comment Status</i> X uction. n prior to header, "Insert Cla <i>Response Status</i> W "IN PRINCIPLE.	e. L1 ,Cisco,Marvell,On ause 168 after Cla	# <mark>117</mark> Semi,Sony,SenTekse <i>bucket_EZ</i>
Clause Clause Clause Comment T Clauses Suggestedf Remove Proposed R PROPC See con	45, Clause 49, 158 through Cla SC 157.6 ff <i>Type</i> TR s 161-167 are re <i>Remedy</i> e the strikethoug <i>Response</i> DSED ACCEPT mment #167.	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the gh of Clause 160 and insert a <i>Response Status</i> W IN PRINCIPLE.	elated annexes. <i>L</i> 51 BiDi PMDs a , between Claus	# 103 bucket e 160 and Clause 168	Missing Suggested Add an Proposed F PROPO Implem Cl 168 Zimmerma Comment T Again, Suggested Insert e Proposed F PROPO Implem	Remedy editorial instruct Response DSED ACCEPT ent suggested in SC 168 n, George Type E no editing instructio Remedy editing instructio Response DSED ACCEPT	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W 'IN PRINCIPLE. remedy with editorial license <i>P</i> 26 ADI,APLgp, <i>Comment Status</i> X action. n prior to header, "Insert Cla <i>Response Status</i> W 'IN PRINCIPLE. remedy with editorial license	2. L1 ,Cisco,Marvell,On ause 168 after Cla	# <u>117</u> Semi,Sony,SenTekse <i>bucket_EZ</i> ause 167."
Clause Clause Clause Comment T Clauses Suggestedf Remove Proposed R PROPC See col	45, Clause 49, 158 through Cla SC 157.6 ff <i>Type</i> TR s 161-167 are re <i>Remedy</i> e the strikethoug <i>Response</i> DSED ACCEPT mment #167.	Clause 73, Clause 74, Clause ause 160, Clause 168, and re P24 Broadcom <i>Comment Status</i> D elated to things other than the gh of Clause 160 and insert a <i>Response Status</i> W	elated annexes. <i>L</i> 51 BiDi PMDs a , between Claus general required	# <u>103</u> <i>bucket</i> e 160 and Clause 168 T/technical E/editorial G/g	Missing Suggested Add an Proposed F PROPO Implem Cl 168 Zimmerma Comment T Again, Suggested Insert e Proposed F PROPO Implem	Remedy editorial instruct Response DSED ACCEPT ent suggested SC 168 n, George Type E no editing instru- Remedy editing instructio Response DSED ACCEPT ent suggested	ction for clause 168. ction: "Insert new clause 168 <i>Response Status</i> W 'IN PRINCIPLE. remedy with editorial license <i>P</i> 26 ADI,APLgp, <i>Comment Status</i> X iction. n prior to header, "Insert Cla <i>Response Status</i> W 'IN PRINCIPLE. remedy with editorial license <i>CI</i>	2. L1 Cisco,Marvell,On ause 168 after Cla 2. 168	# <mark>117</mark> Semi,Sony,SenTekse <i>bucket_EZ</i>

C/ 168	SC 168	P 26	L16	# 9	C/ 168 SC 168	B.1 P26	L 7	# 259
Maguire, Va	llerie	Copperopolis	aff'l w/ CME C	onsulting and Cisco)	Wienckowski, Natalie	e IVN Solution	is LLC	
Comment T	ype E	Comment Status D		consistency_CL140	Comment Type E	Comment Status D		bucket_EZ
Conside	er using alterna	te sentence structure than a "s	hall" statemen	t.	There should not	be editor's notes in D2.0 or later.		
SuggestedR	Remedy				SuggestedRemedy			
Replace	e, "a PMD shal	be connected" with, "a PMD is	s connected"			ating which subclause this is base		ilar notes in 168.2,
Proposed R	esponse	Response Status W			, ,	3.5, 168.7, 168.8, 168.9, 168.10, a	nd 168.12.	
	SED REJECT				Proposed Response			
Keep co	onsistent with e	xisting clauses, e.g., CL 140.1	•		PROPOSED AC See comment #1	CEPT IN PRINCIPLE.		
C/ 168	SC 168.1	P 26	L 6	# 120				
Zimmerman	, George	ADI,APLgp,Ci	sco,Marvell,On	Semi,Sony,SenTekse	C/ 168 SC 168		L7	# 100
Comment T	vpe E	Comment Status X		bucket_EZ	Slavick, Jeff	Broadcom		
		s on where things came from a			51	R Comment Status X		bucket_EZ
		bably served their purpose nov them around, they should be				ditors notes stating what the sections have a stating what the section should not be included in the public		from. This note has
SuggestedR	Remedy				SuggestedRemedy			
		notes to say "Editor's note (to n origin for subclauses.	be removed pr	ior to SA Ballot:" or	Remove all the E occurences).	ditors notes stating which clause v	was used to creat	te the current clause (10
Proposed R	esponse	Response Status W			Proposed Response	Response Status W		
	SED ACCEPT	IN PRINCIPLE. be removed.			PROPOSED AC See comment #1	CEPT IN PRINCIPLE. 20.		
C/ 168	SC 168.1	P 26	L 7	# 62	C/ 168 SC 168	3.1 P 26	L19	# 260
Regev, Alor	ı	Keysight			Wienckowski, Natalie	e IVN Solution	is LLC	
Comment T	vpe E	Comment Status X		bucket_EZ	Comment Type E	Comment Status D		bucket_EZ
remove	editor's notes	prior to publication			broken link			
	Remedy				SuggestedRemedy			
SuggestedR		prior to publication			fix the Clause 45	link as it is in the document.		
00	editor's notes							
SuggestedR remove Proposed R		Response Status W			Proposed Response	Response Status W		

C/ 168 SC 168.1

C/ 168	SC 168.1	P 26	L 21	# 88	Cl	168	SC 168.1		P 26	L33	# 68
Mi, Guangca	n	Huawei Techn	ologies Co., Ltd		0	psasnick,	Eugene		Broadcom, Ir	IC.	
Comment Ty	pe TR	Comment Status X			AUI Co	omment 7	ype TR	Comment S	Status D		FE
Table 16	8-1. The 100G	bidi PMDs should also suppo	ort 100G AUI-1 C	C2M							-BR10, -BR20, and -
SuggestedRe add two i Proposed Re	rows for 100G	AUI-1 C2C(CL120F) and 100 Response Status W	G AUI-1 C2M(12	20G) respectively .		these to 91.5.3.3	vo FEC codes	should be used IYs use RS[528]	with the BR10	0/20/40 PMDs. S	indication which of ubclauses 91.5.2.7 and with some other
•	•	IN PRINCIPLE.			Sı	uggestedl	Remedy				
	ment #22.						-	standard and ad	d the three Pl	HYs of this stand	ard to the list of PHYs
/ 168	SC 168.1	P 26	L 22	# 22		that im	element RS[54	14] as was done i	n 802.3ck for	100GBASE-CR1	I/KR1:
				# 22		In 91.5	2.7 add:				
usted, Kent		Synopsys			A I II			entence of the se	econd paragra	aph of 91.5.2.7 (a	as modified by IEEE Std
comment Ty		Comment Status X nd 100GAUI-1 C2M annexes	- have a label have a set of a set		AUI	802.3cl as follo	,				
						de lene					
Type = o Proposed Re PROPOS	rences to 100G ptional <i>sponse</i> SED ACCEPT I	GAUI-1 C2C (Annex 120F) and <i>Response Status</i> W IN PRINCIPLE. emedy with editorial license.	d 100GAUI-1 C2	M (Annex 120G)		VR1, 10 LR1,10 100GB	0GBASE-SR 0GBASE-CR1 ASE-BR40 PH 3.3 add: the second s -2022)	2, 100GBASE-SI , or 100GBASE- IY, the RS-FEC s	Ŕ1, 100GBAS KR1, 100GBA sublayer shall	E-DŔ, 100GBAS ASE-BR10, 100G implement RS(5	
						VR1, 10 LR1, 10 100GB	0GBASE-SR 0GBASE-CR ASE-BR40 PH	2, 100GBASE-SI	R1, 100GBAS -KR1, 100GB sublayer shall	E-DR, 100GBAS ASE-BR10, 1000 be capable of co	E-KR2, 100GBASE- E-FR1, 100GBASE- BASE-BR20, or rrecting any
						Change	the third para	agraph of 91.5.3.	3 (as modified	by IEEE Std 802	2.3ck-2022) as follows:
						correcti option i 91.6.8) FEC_b the RS 100GB 100GB BR10,	on to reduce t s indicated by When the op pass_correct FEC sublayer ASE-VR1, 100 ASE-FR1, 100 I00GBASE-BF	he delay contribute the assertion of tion is provided, i ion_enable varial is used to form p OGBASE-SR2, 10 OGBASE-LR1, 10 R20, or 100GBAS	ited by the RS the FEC_bypa it is enabled b ble (see 91.6. oart of a 1000 00GBASE-SR 00GBASE-CR 0GBASE-CR SE-BR40 PHY	S-FEC sublayer. ass_correction_a y the assertion o 1). This option sh BASE-CR2, 100 1, 100GBASE-SI 1, or 100GBASE- ⁄.	nall not be used when GBASE-KR2, R4, 100GBASE-DR, -KR1, 100GBASE-
						802.3cl	e the last sente (-2022) as	ence of the last p		·	
/PE: TR/teo	chnical required	d ER/editorial required GR/g	eneral required	T/technical E/editor	rial G/general	I			C/ 10	68	Page 25 of 50

TTL. Trytechnical required Erveditorial required Orvgener	a required Treennical L'editorial Orgeneral	0/ 100	1 age 20 01 00
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 168.1	2025/4/18 22:55:18
SORT ORDER: Clause, Subclause, page, line			

follows:

When the RS-FEC sublayer is used to form a 100GBASE-KP4, 100GBASE-CR2, 100GBASE-KR2, 100GBASE-VR1, 100GBASE-SR2, 100GBASE-SR1, 100GBASE-DR, 100GBASE-FR1, 100GBASE-LR1, 100GBASE-CR1, or 100GBASE-KR1, 100GBASE-BR10, 100GBASE-BR20, or 100GBASE-BR40 PHY, the symbol error threshold shall be K=6380.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Implement suggested remedy with editorial license.

C/ 168	SC 168.1	P 26
Opsasnicl	k, Eugene	Broadcom, Inc.

Comment Type **TR** Comment Status D

Table 168-1 lists the Clause 91 RS-FEC as Required for 100GBASE-BR10, -BR20, and -BR40. Subclause 91.5.3.3.1 should be updated to add the 3 new PHYs using RS[544] to the list of PHYs using the optional FEC Degraded SER feature as defined in Clause 91.

L33

69

FEC

SuggestedRemedy

In 91.5.3.3.1 add:

Change the first paragraph of 91.5.3.3.1 (as modified by IEEE Std 802.3ck-2022) as follows:

For 100GBASE-CR2, 100GBASE-KR2, 100GBASE-VR1, 100GBASE-SR2, 100GBASE-SR1, 100GBASE-DR, 100GBASE-FR1, 100GBASE-LR1, 100GBASE-CR1, and 100GBASE-KR1, 100GBASE-BR10, 100GBASE-BR20, and 100GBASE-BR40 PHYs an optional FEC degraded symbol error ratio function is available.

Proposed Response	Response Status W
PROPOSED ACCEPT IN	I PRINCIPLE.
Implement suggested rer	nedy with editorial license.

C/ 168	SC 168.1	P 26	L 33	# 23
Lusted, K	ent	Synopsys		
Comment	Type TR	Comment Status X		FEC

The Table 168-1 states that Clause 91 RS-FEC is required for the 100GBASE-BRx PMDs. There is no specific mention in the draft specification of which RS-FEC is to be used with the 100GBASE-BRx PMDs. Note that Clause 91 defines two RS-FECs: RS(528) and RS(544).

SugaestedRemedv

Bring in Clause 91 into the draft. Specifically, Clause 91.5.2.7 and 91.5.3.3 as modified by 3ck and 3df. Update the relevant sub-clauses for RS(528) or RS(544)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. See comment #68.

C/ 168	SC 168.1	P 26		L 34	# 168	
Dawe, Pier	s	Nvidia				
Comment T	Туре Т	Comment Status	D			new
For the	ese relatively lon	g links, FEC latency is	not an issue	e but rob	ustness may be	
Suggested	Remedy					
152—lı 161—F	nverse RS-FEC RS-FEC-Int Optio	onal		_	S_FEC_enable): S-FEC-Int (see 152.1.2)).
Proposed F	Response	Response Status	w			
For gro	oup discussion.					
C/ 168	SC 168.1	P 26		L 47	# 36	
Ran, Adee		Cisco	Systems, Ind) .		
Comment T	Type TR	Comment Status	х			AUI
		ned in 802.3ck (100GA . They should be inclu			are very relevant for the	e
Suggested	Remedy					
Add rov	ws for Annexes	120F and 120G, option	nal.			
Proposed F	Response	Response Status	w			
		ED IN PRINCIPLE.				
See co	mment #22.					
C/ 168	SC 168.1	P 26		L 48	# 67	
Maki, Jeffe	ry	Junipe	r Networks			
Comment T		Comment Status				AUI
100GA	UI-1 C2C & 100	GAUI-1 C2M are miss	ing.			
Suggested	Remedy					
Add 12	0F-100GAUI-1	C2C & 120G-100GAU	I-1 C2M			
Proposed F	Response	Response Status	w			
	OSED ACCEPT	ED IN PRINCIPLE.				

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: Clause, Subclause, page, line

Cl	168
SC	168.1

C/ 168	SC 168.1	P 26	L 48	# 169	C/ 168 SC 16	8.1 P27	L 9	# 171
Dawe, Pier	rs	Nvidia			Dawe, Piers	Nvidia		
Comment Add 10	<i>Type</i> T)0GAUI-1 C2C a	Comment Status D and C2M		AUI	Comment Type E In 157, this figur	E Comment Status D e includes OAM (OPTIONAL)		consistency_CL140
Suggested Insert		below 135G. Optional.			SuggestedRemedy Do the same he	re?		
	Response OSED ACCEPT omment #22.	Response Status W IN PRINCIPLE.			Proposed Response PROPOSED RE Keep consistent).	
C/ 168	SC 168.1	P 26	L 50	# 118	C/ 168 SC 16	8.1 P27	L13	# 119
Zimmerma	n, George	ADI,APLgp,Ci	sco,Marvell,On	Semi,Sony,SenTekse	Zimmerman, George	e ADI,APLgp	,Cisco,Marvell,Oi	nSemi,Sony,SenTekse
Comment [·]	Туре Т	Comment Status D		consistency_CL140	Comment Type	Comment Status X		consistency_CL140
logical Suggested Chang is optic Proposed I PROP	description still Remedy e "The CGMII is onal." Response OSED REJECT.	hit the point. Physical impleme applies (which is what the "Ho an optional interface." to "Phy <i>Response Status</i> W xisting clauses, e.g., CL 140.1	wever" says) sical implemen		SuggestedRemedy Add footnote 1 to is optional" at lin Proposed Response PROPOSED RE	JECT. with Clause 140.		Ū
C/ 168	SC 168.1	P 27	L 3	# 170	C/ 168 SC 16	8.1 P27	L19	# 2
Dawe, Pier	ſS	Nvidia			D'Ambrosia, John	Futurewei,	U.S. Subsidiary o	f Huawei
Suggested Per co	ference to 157 <i>Remedy</i> mment	Comment Status D		consistency_cp		ER Comment Status X e "Physical Layer" is incorrect - it ledium"	includes the MDI	<i>bucket_EZ</i> and should be drawn to
	OSED REJECT.	Response Status W	l.		Proposed Response PROPOSED AC	•••••••••••••••••••••••••••••••••••••••	40.	

C/ 168 SC 168.1

C/ 168 SC 168.1	P 27	L 28	# 172	C/ 168 S	SC 168.3.2	P 29	L 2	# 108
Dawe, Piers	Nvidia			Zimmerman, G	George	ADI,APLgp,Cis	co,Marvell,On	Semi,Sony,SenTekse
Comment Type E	Comment Status D		bucket_EZ	Comment Type	e TR	Comment Status D		consistency_CL140
Layout						f fact. The limitation on the ske		
SuggestedRemedy						3.5.3.4 go further and specify skenting skenting skew, i		
Left justify						that should be stated.		·
Proposed Response	Response Status W			SuggestedRen	nedy			
PROPOSED ACCEPT Implement suggested	IN PRINCIPLE. remedy with editorial license.					is limited to 43 ns as defined b comply with the requirements o		"Skew and skew
C/ 168 SC 168.1	P 27	L 36	# 173	Proposed Res	ponse	Response Status W		
Dawe, Piers	Nvidia				ED REJECT	-		
Comment Type E	Comment Status D		bucket_EZ	-				
Blank line?					SC 168.4	P 29	L 26	# 82
SuggestedRemedy				Simms, Williar		NVIDIA		
Remove?				Comment Type		Comment Status D		bucket_EZ
Proposed Response	Response Status W			•		ext and insertion of Tables		
PROPOSED ACCEPT				SuggestedRen		nd nicking on at line 40 on back		
C/ 168 SC 168.3.2	P28	L52	# 107	location	at line 23 al	nd picking up at line 49 unbrok	en and move ta	ables to appropriate
Zimmerman, George			Semi,Sony,SenTekse	Proposed Res	ponse	Response Status W		
Comment Type E	Comment Status X		bucket EZ	PROPOSE	ED ACCEPT	IN PRINCIPLE. Implement su	ggested remed	by with editorial license.
	s to sections 80.5, Figure 80-	9, 83.5.3.4, all po		C/ 168 S	SC 168.4	P 29	L27	# 261
not in the draft.	e on cross references - howe	var thara ara nu	morelle ence missed	Wienckowski.		IVN Solutions		# 201
and they need to be ch		ver, mere are nu	inerous ones misseu	Comment Type		Comment Status D		bucket EZ
SuggestedRemedy				51		the middle of a paragraph		bucket_LL
	as external. Editor to check t	he draft for exter	nal cross references	SuggestedRen		1 3 - P.		
globally and fix.				00		d 168-3 after the paragraph te	ct.	
	Response Status W							
Proposed Response PROPOSED ACCEPT	,			Proposed Res	nonse	Response Status W		

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: Clause, Subclause, page, line

C/ 168 SC 168.4

CI 168 SC 168.5.1	I P 30	L 8	# 37	C/ 168 SC 168.5.2	P 30	L 43	# 10
Ran, Adee	Cisco System	s, Inc.		Maguire, Valerie	Copperopoli	s (aff'l w/ CME C	onsulting and Cisco)
Comment Type TR	Comment Status D s "PMD block diagram", but the b	lock diagram in	consistency_dj	Comment Type E	Comment Status D ate sentence structure than a	"shall" statemen	consistency_CL140
PMD but of a transm		NOCK diagram in		SuggestedRemedy		Shan Statemen	
I am aware that the in not be carried over to	ncorrect heading exists in many o a new clause.	previous clause	es, but an error should	1 2	nction shall convert" with, "Tr		
The suggested reme	dy is being used in similar subcl	auses in P802.3	3dj.		signal shall then be delivered	d" with, "The option	cal signal is then
SuggestedRemedy				delivered"			
Change the subclaus	se title from "PMD block diagram	n" to "Block diag	ram".		to highest shall correspond '	' with, "from lowe	st to highest
Proposed Response	Response Status W			corresponds"	_		
PROPOSED ACCEP	PT.			Proposed Response	Response Status W		
C/ 168 SC 168.5.1	I P30	L38	# 216	PROPOSED REJECT Remain consistent wit			
Dudek, Mike	Marvell			C/ 168 SC 168.5.3	P30	L51	# 11
Comment Type E	Comment Status X		bucket_EZ	Maguire, Valerie	Copperopoli	s (aff'l w/ CMF C	onsulting and Cisco)
poor English.				Comment Type E	Comment Status X	e (a e e	consistency_CL14
SuggestedRemedy				51	ate sentence structure than a	"shall" statemen	· -
Delete the "be" in "ar	re not typically be accessible"			SuggestedRemedy			
Proposed Response	Response Status W			,	eceive function shall convert"	with. "The PMD	receive function
PROPOSED ACCEP	PT.			converts"		,	
Maintenance require	d for Clause 160.						
C/ 168 SC 168.5.1	P30	L39	# 174	Proposed Response	Response Status W		
Dawe, Piers	Nvidia			PROPOSED REJECT Remain consistent wit			
Comment Type E	Comment Status D		bucket EZ		11 clause 140.5.5.		
implemented system	TP4 (these test points are not)" but this is outdated. Clause 1 Linear optical modules are feasil /pically be"	67 (100G/lane \	/R and SR says "might				
- SuggestedRemedy							
	cally be" to "might not be"						
Proposed Response	Response Status W						
PROPOSED ACCEP	PT IN PRINCIPLE.						

See comment #216.

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: Clause, Subclause, page, line

C/ 168 SC 168.5.3 Page 29 of 50 2025/4/18 22:55:18

IEEE 802.3dk D2.0 Bidirectional 100Gb/s	Optical Access PHYs Initial \	Working Group ballot comments

C/ 168 SC 168.5.4	P 31	L19	# 12	Cl 168	SC	168.5.4	P 31	L 31	# 177
Maguire, Valerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)	Dawe, Pier	rs		Nvidia		
Comment Type E	Comment Status X		consistency_CL140	Comment	Туре	Е	Comment Status D		bucket_E2
Consider using alterna	te sentence structure than a "	'shall" statemen	t.				ot agree with the published 16 d 167. "Must" is deprecated.	0.5 and simila	r sections in other
SuggestedRemedy				Suggested					
Replace, "global signa reports"	l detect function shall report" v	with, "global sigi	nal detect function	Chang	e "an u	inavoidabl	e consequence" to "a consequence" to align with the published 8		
Replace, "SIGNAL_DE indicator"	TECT shall be a global indica	ator" with, "SIGN	IAL_DETECT is a global	Proposed I		nse ACCEPT.	Response Status W		
Replace, "SIGNAL_DE parameter is generated	ETECT parameter shall be ger d"	nerated" with, "S	GIGNAL_DETECT	C/ 168		168.5.5	P 31	L 42	# 13
Proposed Response	Response Status W			Maguire, V	/alerie		Copperopolis (aff'l w/ CME C	consulting and Cisco)
PROPOSED REJECT				Comment	Туре	Е	Comment Status D		consistency_CL14
Remain consistent with	n clause 140.5.4.			Consid	ler usir	ng alternat	e sentence structure than a "s	hall" statemer	ıt.
V 168 SC 168.5.4	P 31	L23	# 175	Suggested	Remed	dy			
)awe, Piers	Nvidia			Replac	e, "the	PMD sha	ll be reset" with, "the PMD is r	eset"	
Comment Type T	Comment Status D		bucket EZ	Proposed I	Respor	nse	Response Status W		
-	interface primitives defined in	131.3.	_			REJECT. ent with cla	ause 140.5.5.		
SuggestedRemedy				C/ 168	<u> </u>	168.5.6	P31	L47	# 14
	interface primitives defined in	80.3.				168.5.6	• •		
Proposed Response	Response Status W			Maguire, V		_		aff'I W/ CME C	consulting and Cisco)
PROPOSED ACCEPT				Comment		E	Comment Status D	L - 119 - 4 - 4	consistency_c
/ 168 SC 168.5.4	P 31	L 25	# 176			0	e sentence structure than a "s	nall" statemer	ΙΤ.
lawe. Piers	Nvidia			Suggested		-			
Comment Type T	Comment Status D		consistency_CL140	Replac	ce, "cor	npliant wit	h this clause shall include" wit	h, "compliant"	with this clause includes"
	oles have "global" in their nam	es so that 1-lan	-	Replac	e, "this	function	shall turn off" with, "this function	on turns off"	
managed the same as	multilane PHYs, saying that S	SIGNAL_DETEC		Proposed I	Respor	nse	Response Status W		
•	optical signal isn't really right.			PROP	OSED	REJECT.			
SuggestedRemedy				Keep o	consist	ent with 80	2.3 cp (clauses 158.5.6, 159.	5.6, 160.5.6.	
Delete "global" here ar	nd in PICS F10								
Proposed Response	Response Status W								
PROPOSED REJECT Keep consistent with c	-								

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: Clause, Subclause, page, line

C/ 168 SC 168.5.6 Page 30 of 50 2025/4/18 22:55:18

C/ 168 SC 168.5.7	P 32	L 6	# 15	C/ 168	SC 168.5.9	P 32	L 21	# 129
laguire, Valerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)	Huber, The	omas	Nokia		
Comment Type E	Comment Status D		consistency_CL140	Comment	Туре Е	Comment Status D		bucket_E2
Consider using alternate s	sentence structure than a "	shall" statemen	t.	The fir	st sentence of th	is clause is a comma splice.		
uggestedRemedy				Suggested	Remedy			
Replace, "the PMD shall s Replace, "PMD fault shall	,)fault is mapp	ed to"	PMDs,	or write it as "T	ith a semicolon, split into two he PMD_receive_fault functione 100GBASE-BRx-D PMD.".	on is mandatory ir	
Proposed Response	Response Status W			Proposed	Response	Response Status W		
PROPOSED REJECT. Keep consistent with claus				Chang		IN PRINCIPLE.		<i></i>
C/ 168 SC 168.5.8	P 32	L13	# 16			J PMD shall include the PMD ID, the PMD receive fault fu		
laguire, Valerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)	C/ 168	SC 168.5.10		L 31	# 18
omment Type E	Comment Status X		consistency_CL140	Maguire, V				nsulting and Cisco)
Consider using alternate s	entence structure than a "	shall" statemen	t.	Comment		Comment Status D		consistency_c
uggestedRemedy						te sentence structure than a	"shall" statement	· - ·
Replace, "the PMD shall s	set" with, "the PMD sets"				U		Shall Statement.	
Replace, "PMD_transmit_	fault shall be mapped to" v	vith "PMD tran	smit fault is mapped to"	Suggested Replac	•	hall be provided" with, "Silen	t start is provided	
	Response Status W	, <u>_</u>		Proposed		Response Status W		
PROPOSED REJECT.				,	OSED REJECT.	,		
Keep consistent with claus	se 140.5.8.					02.3 cp (clauses 158.5.10, 1	59.5.10, 160.5.10	
C/ 168 SC 168.5.9	P 32	L 21	# 17					
laguire, Valerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)					
omment Type E	Comment Status X	,	consistency_cp					
Consider using alternate s	entence structure than a "	shall" statemen	t.					
SuggestedRemedy								
Replace, "100GBASE-BR	x-U PMD shall include" wit	h, "100GBASE	BRx-U PMD includes"					
Replace, "the PMD shall s	et the" with, "the PMD sets	s the"						
Replace, "PMD_receive_f	ault shall be mapped" with	, "PMD_receive	_fault is mapped"					
Proposed Response	Response Status W							
PROPOSED REJECT.								
Keep consistent with 802.	3 cp (clauses 158.5.9, 159	.5.9, 160.5.9.						

C/ 168 SC 168.5.10

C/ 168	SC 1	68.6	P 32	L 40	# 217
Dudek, Mik	e		Marvell		
Comment T	Гуре	TR	Comment Status D		interoperation
Tho sta	tomont	ic mode	that the 100CBASE DB40 PM	D will interence	vrate with the

The statement is made that the 100GBASE-DR40 PMD will interoperate with the 100GBASE-BR10 and 100GBASE-BR20 provided the channel requirements for 100GBASE-BR10 and 100GBASE-BR20 are met, however section 168.11 includes additional requirements for interoperation between 100GBASE-BR40 and 100GBASE-20 including the addition of minimum losses. Section 168.11 doesn't include minimum losses for inter-operation between 100GBASE-BR40 and 100GBASE-10 and the minimum Tx output power for 100GBASE-BR40 in the off state is -15dBm which is greater than the signal detect "fail" level of -20dBm.

SuggestedRemedy

add "except that the channel losses are specified in section 168.11". Add an appropriate table for the inter-operation between 100GBASE-BR40 and 100GBASE-BR10 to section 168.11

Proposed Response	Response Status	W	
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PROPOSED ACCEPT IN PRINCIPLE. See comment #130.

C/ 168	SC 168.6	P 32	L 40	# 130
Huber, Th	iomas	Nokia		
Comment	Type T	Comment Status D		interoperation

The sentence concerning BR40 working with BR20 or BR10 as long as the shorter reach channel requirements are met is helpful, but it seems incomplete. Would is also not be true that the BR20 PMD operates with a BR10 PMD as long as the channel requirements of the

BR10 PMD are met?

SuggestedRemedy

Make the sentence more generic: "A longer reach PMD interoperates with a shorter reach PMD as long as the channel requirments of the shorter reach PMD are met."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

The interoperation between BR10 and BR40 doen't work. Change it as:

"The 100GBASE-BR40 PMD interoperates with the 100GBASE-BR20 PMD provided that the channel meets the requirements in Table 168-15."

C/ 168 SC 168.6	P32 L53	# 38
Ran, Adee	Cisco Systems, Inc.	
Comment Type T	Comment Status D	consistency_CL140

Footnote a says "The RS-FEC correction function may not be bypassed for any operating distance". This is not an option, so "may" is inappropriate. Also, this statement is out of place in 168.6, which is about optical specifications.

I am aware that the same text exists in many previous clauses, but an error should not be carried over to a new clause.

SuggestedRemedy

Delete footnote a from Table 168-5, and instead add a footnote for the "RS-FEC" row in Table 168-1, stating "The option to perform error detection without error correction (see 91.5.3.3) is not supported. FEC error correction shall not be bypassed".

<u> </u>		-
Delete footnote a from Keep consistent with cl		
PROPOSED ACCEPT		
Proposed Response	Response Status	w

C/ 168	SC 168.6.1	P 33	L	# 268
Maniloff, Eric	c	Ciena		
Comment Ty	pe TR	Comment Status D		technical

Currently the OMA (Max) values for 100GBASE-BR10/BR20/BR40 are 5/0/8.3dBm. At max TDECQ the OMA (Min) values for these are 3.1/-0.3/7.8 dBm. This leaves 0.3 dB difference between Min and Max for BR20 and 0.5dB difference between Min and Max for BR40. This is not sufficient difference for manufacturing yield, lifetime, thermals.

SuggestedRemedy

Increase the OMA Max for 100GBASEBR20 and BR40 to allow a larger difference between min and max values. Alternatively the minimum OMA could be reduced. Ensure a minimum of 1.5dB difference between Min and Max values.

Proposed Response Response Status W

For group discussion. See comment # 70.

C/ 168 SC 168.6.1 Page 32 of 50 2025/4/18 22:55:18

C/ 168	SC 168.6.1	P33	L11	# 39	C/ 168	SC	168.6.1	P 33	L19	# 178
Ran, Adee		Cisco System	ns, Inc.		Dawe, Pie	ers		Nvidia		
Comment Ty	ype TR	Comment Status D		new	Comment	Туре	Е	Comment Status D		bucket_EZ
•	0 0	recent PMDs with 100 Gb/s performance degradatation.	per lane has bee	en narrowed to +/- 50		nproved MDs	readability	y, where the parameter limits	seem likely to r	emain the same for all 3
See 800)GBASE-VR8/S 2.3db) as an ex	ined in Annex 120F and 1200 R8 PMDs in 802.3df, Table 2 ample of how this is impleme	167-7 and Table	167-8 (both amended	Side-ı Trans RINx(r the firs mode su mitter tr OMA (m	t four rows uppression ansition tir	× ,	e entries for	
In Table	e 168-6 and Tab	le 168-7, change the signalir	ng rate range to a	53.125 +/- 50 ppm.	Proposed	Respor	nse	Response Status W		
Proposed R	lesponse	Response Status W			PROF	POSED	ACCEPT.			
	SED ACCEPT									
Clause	140 uses 100pp	om, df has mixed definitions,	dj uses 50ppm.		C/ 168	SC	168.6.1	P 33	L 24	# 70
C/ 168	SC 168.6.1	P 33	L15	# 89	Johnson,	John		Broadcom		
Mi, Guangca	an	Huawei Tech	nologies Co., Lto		Comment	Туре	TR	Comment Status D		technica
Comment Ty	ype ER	Comment Status X	-	bucket_EZ				d OMA(max) =5 dBm, maxim <) spec of 4.8dBm for 100G-E		ould be 6.2 dBm, which
		is currently written as 100GB enter wavelengths (range). T			Suggeste	dReme	dy			
and dow precisel	vn stream would ly controlled, thu	d only have one wavelength e us a range is specified allowir avelength, therefore the plura	each. The waveleng the center wa	ength can not be velength to drift or shift.	at ER from {	(min). 5 dBm te	To conform	MA at TDECQ(max) = 3.1 df n to TX Pavg(max) = 4.8 dBm in Table 168-6, and RX OMA	, propose to ch	ange TX OMA(max)
SuggestedR	Remedy				168-7	-		_		
change	wavelengths to	wavelength in both cases of	upstream and d	ownstream.	Proposed	Respor	nse	Response Status W		
Proposed R	esponse	Response Status W			For a	roun dis	cussion.			
	SED ACCEPT ent suggested r	IN PRINCIPLE. emedy to Table 168-6 and Ta	able 168-7.		0			at OMA max may be limited a	t low ER.	

C/ 168 SC 168.6.1

CI 168	SC 168.6.1	P33	L 28	# 40	C/ 168	SC	168.6.1	P 33	L 36	# 95
Ran, Adee	e	Cisco System	ns, Inc.		Stassar, F	Peter		Huawei		
Comment	Type ER	Comment Status D		consistency_dj	Comment	Туре	ER	Comment Status D		over/under-shoot
indicat	ted by indentation	(min) in Table 167-7 contain , as done in the "Receiver s						er/undershoot", In P802.3dj Also in 168.7,1 and 168.7.7	t was recently ag	reed to use "transmitter
that th	ese are two cases	5.			Suggestee	dReme	dy			
	nrase "for 1.4 dB · ned to improve re	<= max(TECQ, TDECQ) <= adabilty.	TDECQ(max)" is	overly long and can be	In 168	3.7.1, Ta	able 168-1	mitter over/under -shoot" to 0 change "Over/under-shoo	t" to "Transmitter	overshoot and
Suggested	lRemedy							eading of 168.7.7 from "Ove ragraphs 1 and 2 of 168.7.7		
	the sub-rows sta					shoot".	•		Ū	
Chang >= 1.4		nax(TECQ, TDECQ) <= TD	ECQ(max)" to "fo	r max(TECQ, TDECQ)	Proposed	Respo	nse	Response Status W		
Proposed	Response	Response Status W			PROF	POSED	ACCEPT			
	OSED REJECT. ving dj format (e.g	, Table 183-6)			C/ 168	SC	168.6.1	P33	L 38	# 71
					Johnson,			Broadcom		
C/ 168	SC 168.6.1	P33	L 36	# 43	Comment		TR	Comment Status D		technical
Ran, Adee	9	Cisco System	ns, Inc.					excursion (TPE) maximum li		
Comment	Type TR	Comment Status X		over/under-shoot				um overshoot (OS) = 22%. 4.6% at OMA(max) to be co		
		-shoot" is shorthand that sh			Suggested					
		ause 168.7.7 are actually to /under-shoot" is not defined		ameters, overshoot and			•	y, TPE(max) = OMA(max)*(S+0.5) where O	S = 14.6% Based on
		as been changed to "oversho		n 802.3db.				mits for TPE(max) as follow		
	he definition subc .8) instead of olde	lause 168.7.7 should be alig er clauses.	gned with the rec	ent text in 802.3db				dBm to 1.7 dBm (assuming dBm to -0.5 dBm	acceptance of TX	OMA(max) = 3.6 dBm)
Suggested	,							dBm to 7.8 dBm		
00	-	vershoot/undershoot (max)".			Proposed	Respo	nse	Response Status W		
		7.7 to align it with 167.8.8 in						IN PRINCIPLE.		
-		0 and elsewhere accordingly	/ .		Solutio	on to be	e consiste	nt with comment #70.		
•	Response	Response Status W			C/ 168	SC	168.6.1	P33	L 39	# 179
	osed ACCEPTE omment #95.	D IN FRINCIPLE.			Dawe, Pie	ers		Nvidia		
					Comment	Туре	Е	Comment Status D		bucket_EZ
					Use th	ne eme	rging stan	dard order for these parame	ters (see Clause	151)
					Suggestee	dReme	dy			
								power of OFF transmitter (m nsition time (max)	ax)	
					Proposed	Respo	nse	Response Status W		
					PROF	POSED	ACCEPT			
IVDE TD	technical required	d ER/editorial required GR/	general required	T/technical E/editorial G/c	eneral			C/ 1	68	Page 34 of 50

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 168.6.1 2025/4/18 22:55:18 SORT ORDER: Clause, Subclause, page, line

C/ 168	SC 168.6.1	P33	L 46	# 180	C/ 168 S	SC 168.6.1	P 33	L 51	# 181
awe, Pie	ers	Nvidia			Dawe, Piers		Nvidia		
omment	Туре Т	Comment Status D		bucket_EZ	Comment Type	∋ T	Comment Status	x	bucket_EZ
		esting some transmitters for 1 8. The cost in paperwork may				son with Clau doesn't seer		R LR ER) doesn't s	seem relevant; saying this is
Suggestee	dRemedy				SuggestedRen	nedy			
conse	rvative).	to 15 here and in Table 168	11 (simplifying	and being			ven though the represe ause 139, they are cor		/Aouter requirement is
		come RIN15OMA. e, the discrete reflectances for	or 100GBASE-B	R10 in Table 168-14	Proposed Res		Response Status	w	
	e channel optical	return loss in Table 168-12 c			PROPOSE See comm		IN PRINCIPLE.		
Proposed	Response	Response Status W			C/ 168 S	SC 168.6.1	P 34	L1	# 42
	OSED REJECT.	in other clauses, such as clau	140		Ran, Adee		Cisco	Systems, Inc.	
Smail			150 140.		Comment Type	∋ T	Comment Status	D	consistency_dj
2/ 168	SC 168.6.1	P33	L 50	# 72					pressions that don't mean
ohnson,		Broadcom			anytning w		ntext, which is Table 1	07-7.	
Comment	51	Comment Status D	(1-)	bucket_EZ	It would be	e a better ser	vice to the reader if the	ese expressions a	re placed directly in the table.
It's un	necessary to com	pare with Cl. 139 in footnote	(b).		SuggestedRen	nedy			
Delete		e representation of the OMAc	uter requiremer	nt is different from that in	Move these equations.		s into Table 168-8, ON	/IA_outer row, rep	lacing the references to the
	•	onsistent." from footnote (b).			Proposed Res	oonse	Response Status	W	
PROF	Response POSED ACCEPT omment #41.	Response Status W				ED REJECT. ormat, Table	183-6.		
See c	omment #41.				C/ 168 S	SC 168.6.1	P 34	L1	# 182
/ 168	SC 168.6.1	P 33	L 50	# 41	Dawe, Piers		Nvidia		
Ran, Ade	Э	Cisco System	s, Inc.		Comment Type	e E	Comment Status	D	bucket_EZ
omment	51	Comment Status D		bucket_EZ	In equatior	ns, functions	and abbreviations of v	ords should be u	pright not italic
irrelev		7-7 refers to clause 139, but th clause may be 140 instead (a ide).			SuggestedRen Change m	<i>nedy</i> ax to upright	, three times		
					Proposed Res	oonse	Response Status	w	
		es should be indicated by "for	est green" text o	color.			IN PRINCIPLE.		
		-							
Suggestee	dRemedy	o "Clause 140" and format as	external referer	nce (forest green).		style manua suggested r	l. emedy with editorial lic	ense.	
Suggested Chang Proposed	dRemedy	Response Status W	external referer	nce (forest green).		,		cense.	

C/ 168 SC 168.6.3	P 35	L	# 269	C/ 168	SC 168.6.3	P 35	L14	# 183
Maniloff, Eric	Ciena			Dawe, Pier	6	Nvidia		
Comment Type T	Comment Status D		technical	Comment 7	ype T	Comment Status D		consistency_CL140
	lude 0.9dB more than TDEC			6.3 dB	doesn't seem rio	ght for the wavelengths conc	erned: see comr	nent against 168.9
	n specs. Penalty allocations i 3.1/3.9/5.0 ps for 10/20/40kn			Suggested	Remedy			
	rms would be ≥ those for 10 k			Change	e 6.3 to 6.0 (or 6	6.1); change 10.6 to 10.3 (or	10.4)	
SuggestedRemedy				Proposed F	lesponse	Response Status W		
Adjust the penalties ar impairments.	nd corresponding related spec	cifications to alig	gn with the link		OSED REJECT.	R PMDs from previous claus	ses.	
Proposed Response	Response Status W			C/ 168	SC 168.7.1	P 36	L 1	# 44
PROPOSED ACCEPT For group discussion.	IN PRINCIPLE.			Ran, Adee		Cisco Syster	ns, Inc.	
				Comment 7	ype TR	Comment Status D		consistency_dj
C/ 168 SC 168.6.3	P35	L	# 270			0 is incorrect. It does not inc		1
Maniloff, Eric	Ciena			definitio sublcla		ains is the mapping of paran	neters to test pat	terns and related
Comment Type E	Comment Status D		technical	Subicia	150.			
51								
Penalty allocations inc explicitely state the allo	lude values for DGD and MP ocations for these, which is u			carried		ne title exists in many previo lause. It has been corrected)-15.		
Penalty allocations inc explicitely state the allo SuggestedRemedy		seful informatior	n to include.	carried	over to a new c from Table 180	lause. It has been corrected		
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response	ocations for these, which is us Penalty aloocations specifying <i>Response Status</i> W	seful informatior	n to include.	carried is taker <i>Suggestedi</i>	over to a new c 1 from Table 180 Remedy 2 the title of Tab	lause. It has been corrected	in P802.3dj, and	I the suggested remedy
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT	ocations for these, which is us Penalty aloocations specifying <i>Response Status</i> W	seful informatior	n to include.	carried is taker <i>Suggestedi</i> Change	over to a new c from Table 180 Re <i>medy</i> the title of Tab uses".	lause. It has been corrected 0-15.	in P802.3dj, and	I the suggested remedy
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT For group discussion:	ocations for these, which is us Penalty aloocations specifying <i>Response Status</i> W IN PRINCIPLE.	seful information	n to include. DGD and MPI	carried is taker Suggested Change subclau Proposed F PROPO	over to a new c from Table 180 Remedy the title of Tab Ises". Response DSED ACCEPT.	lause. It has been corrected 0-15. le 168-10 to "Mapping of par <i>Response Status</i> W	in P802.3dj, and	I the suggested remedy
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT For group discussion: Cl 168 SC 168.6.3	ocations for these, which is us Penalty aloocations specifying <i>Response Status</i> W ⁻ IN PRINCIPLE. <i>P</i> 35	seful information g the values for l <i>L</i> 11	n to include. DGD and MPI # 110	carried is taker Suggested Change subclau Proposed F PROPO	over to a new c from Table 180 Remedy the title of Tab Ises". Response DSED ACCEPT.	lause. It has been corrected 0-15. le 168-10 to "Mapping of par <i>Response Status</i> W	in P802.3dj, and	I the suggested remedy
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT For group discussion: C/ 168 SC 168.6.3 Zimmerman, George	ocations for these, which is us Penalty aloocations specifying <i>Response Status</i> W ⁻ IN PRINCIPLE. <i>P</i> 35 ADI,APLgp,C	seful information g the values for l <i>L</i> 11	n to include. DGD and MPI # [<u>110</u> nSemi,Sony,SenTekse	carried is taker Suggested Change subclau Proposed F PROPO	over to a new c from Table 180 Remedy the title of Tab Ises". Response DSED ACCEPT.	lause. It has been corrected 0-15. le 168-10 to "Mapping of par <i>Response Status</i> W	in P802.3dj, and	I the suggested remedy
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT For group discussion: C/ 168 SC 168.6.3 Zimmerman, George Comment Type T	ocations for these, which is use Penalty aloocations specifying <i>Response Status</i> W ⁻ IN PRINCIPLE. <i>P</i> 35 ADI,APLgp,C <i>Comment Status</i> X	seful information g the values for l <i>L</i> 11 Cisco,Marvell,Or	n to include. DGD and MPI # [<u>110</u> nSemi,Sony,SenTekse <i>bucket_EZ</i>	carried is taker Suggested Change subclau Proposed F PROP(Keep c	over to a new c from Table 180 Remedy the title of Tab ses". Response DSED ACCEPT. Disistent with 80 SC 168.7.1	lause. It has been corrected 0-15. le 168-10 to "Mapping of par <i>Response Status</i> W 02.3 dj, Table 183-13.	in P802.3dj, and	I the suggested remedy patterns and related
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT For group discussion: CI 168 SC 168.6.3 Zimmerman, George Comment Type T The unit for a power bu	ocations for these, which is us Penalty aloocations specifying <i>Response Status</i> W ⁻ IN PRINCIPLE. <i>P</i> 35 ADI,APLgp,C	seful information g the values for l <i>L</i> 11 Cisco,Marvell,Or	n to include. DGD and MPI # [<u>110</u> nSemi,Sony,SenTekse <i>bucket_EZ</i>	carried is taker Suggested Change subclau Proposed F PROPO Keep c	over to a new c from Table 180 Remedy the title of Tab ises". Response DSED ACCEPT. Disistent with 80 SC 168.7.1	lause. It has been corrected 0-15. le 168-10 to "Mapping of par <i>Response Status</i> W 02.3 dj, Table 183-13. <i>P</i> 36	in P802.3dj, and	I the suggested remedy patterns and related
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT For group discussion: C/ 168 SC 168.6.3 Zimmerman, George Comment Type T	ocations for these, which is use Penalty aloocations specifying <i>Response Status</i> W ⁻ IN PRINCIPLE. <i>P</i> 35 ADI,APLgp,C <i>Comment Status</i> X	seful information g the values for l <i>L</i> 11 Cisco,Marvell,Or	n to include. DGD and MPI # [<u>110</u> nSemi,Sony,SenTekse <i>bucket_EZ</i>	carried is taker Suggestedi Change subclau Proposed F PROPO Keep c Cl 168 Dawe, Pier	over to a new c from Table 180 Remedy the title of Tab ises". Response DSED ACCEPT. Disistent with 80 SC 168.7.1	lause. It has been corrected 0-15. le 168-10 to "Mapping of par <i>Response Status</i> W 02.3 dj, Table 183-13. <i>P</i> 36 Nvidia	in P802.3dj, and	the suggested remedy batterns and related # [184
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT For group discussion: C/ 168 SC 168.6.3 Zimmerman, George Comment Type T The unit for a power bu good for ratios. SuggestedRemedy	ocations for these, which is use Penalty aloocations specifying <i>Response Status</i> W ⁻ IN PRINCIPLE. <i>P</i> 35 ADI,APLgp,C <i>Comment Status</i> X	seful information g the values for l <i>L</i> 11 Disco,Marvell,Or s units - dBm, fo	n to include. DGD and MPI # [<u>110</u> nSemi,Sony,SenTekse <i>bucket_EZ</i> r example dB is only	carried is taker Suggested Change subclau Proposed F PROPO Keep c C/ 168 Dawe, Pier Comment T	over to a new c from Table 180 Remedy the title of Tableses". Sesponse OSED ACCEPT. Onsistent with 80 SC 168.7.1 Sype E	lause. It has been corrected 0-15. le 168-10 to "Mapping of par <i>Response Status</i> W 02.3 dj, Table 183-13. <i>P</i> 36 Nvidia	in P802.3dj, and	the suggested remedy batterns and related # [184
Penalty allocations inc explicitely state the allo SuggestedRemedy Add a footnote to the F Proposed Response PROPOSED ACCEPT For group discussion: Cl 168 SC 168.6.3 Zimmerman, George Comment Type T The unit for a power bu good for ratios. SuggestedRemedy Either rename "Power	ocations for these, which is use Penalty aloocations specifying <i>Response Status</i> W ⁻ IN PRINCIPLE. <i>P</i> 35 ADI,APLgp,C <i>Comment Status</i> X udget can't be dB - power has	seful information g the values for l <i>L</i> 11 Disco,Marvell,Or s units - dBm, fo	n to include. DGD and MPI # [<u>110</u> nSemi,Sony,SenTekse <i>bucket_EZ</i> r example dB is only	carried is taker Suggested Change subclau Proposed F PROPO Keep c Cl 168 Dawe, Pier Comment T Sidn Suggested	over to a new c from Table 180 Remedy the title of Tableses". Sesponse OSED ACCEPT. Onsistent with 80 SC 168.7.1 S Sype E Remedy	lause. It has been corrected 0-15. le 168-10 to "Mapping of par <i>Response Status</i> W 02.3 dj, Table 183-13. <i>P</i> 36 Nvidia	in P802.3dj, and	the suggested remedy batterns and related # [184

TYPE: TR/technical required ER/editorial required GR/gene	al required T/technical E/editorial G/general	C/ 168	Page 36 of 50
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 168.7.1	2025/4/18 22:55:18
SORT ORDER: Clause, Subclause, page, line			

C/ 168 SC 168.7.1	P 36	L 7	# 65	C/ 168 SC	68.7.4	P 36	L 46	# 73
Regev, Alon	Keysight			Johnson, John		Broadcom		
Comment Type E	Comment Status X		bucket_EZ	Comment Type	TR	Comment Status X		consistency_dj
"sidn" should be "side	9"					ference receiver used to mea	asure OMAouter	, refering to the
SuggestedRemedy				definitions in				
change "sidn-mode" f	to "side-mode"			SuggestedReme	-			
Proposed Response	Response Status W			Add the follo	wing sente	nce to the end of the paragra	ph:	
PROPOSED ACCEP	т.					d using waveforms captured a re the reference equalizer."	at the output of t	he reference receiver
C/ 168 SC 168.7.1	P 36	L 7	# 45	Proposed Respo	onse	Response Status W		
Ran, Adee	Cisco System	ns, Inc.		PROPOSED	ACCEPT.	,		
Comment Type E	Comment Status D		bucket_EZ	See comme	nt #90.			
Typo in "Sidn"				C/ 168 SC	68.7.4	P37	L 2	# 185
SuggestedRemedy				Dawe, Piers		Nvidia		
Change to "Side"				Comment Type	Е	Comment Status D		bucket EZ
Proposed Response	Response Status W			Blank line(s)	?			_
PROPOSED ACCEP	Т.			SuggestedReme	edv			
C/ 168 SC 168.7.4	P 36	L 41	# 90	Remove. Se	•	to float.		
Mi, Guangcan	Huawei Techi	nologies Co., Ltd		Proposed Respo	onse	Response Status W		
Comment Type TR	Comment Status X	0	consistency_dj	PROPOSED	ACCEPT.			
recent clauses has be	een pointing out the source of C	DMAout data. Reco	, – ,					
CL168 as well.								
SuggestedRemedy								
	easured using waveforms captu 88.7.5, before the reference equ		the reference					
Proposed Response	Response Status W							
PROPOSED ACCEP Implement suggested	T IN PRINCIPLE. remedy with editorial license.							

C/ 168	SC 168.7.5	P 37
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Mi, Guangcan

Comment Type ER Comment Status X

consistency_dj

looking back at CL 140.7 and other IMDD clauses in 100Gbps, the description of TDECQ and its measurement setup has been referencing as much as possible the existing content in CL 121.8.5 and writing only the changes and differences. An example in CL140 is: "TDECQ, and for 100GBASE-DR only, TDECQ – 10log10(Ceq) shall be within the limits given in

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Huawei Technologies Co., Ltd

Table 140–6 if measured using the test setup specified in 121.8.5.1, with an optical channel specified in 140.7.5.2, using the measurement method specified in 121.8.5.3, and using a reference equalizer as described in 140.7.5.1, with the following exceptions:"

also double checking the content of 168.7.5.1, there seems no technical difference than what was defined in CL 140.7.5 or CL 124.8.5, except need of updates to the table references. For the sake of clarity and consistence, also avoiding misleading message of new test setp, it is recommended to update the section with references to existing clauses while only listing out the exceptions.

SuggestedRemedy

delet sections 168.7.5.1, 168.7.5.3, 168.7.5.4. make appropriate references to existing clauses, so that the overall standard of 802.3 is coherent. implement with editorial licenses.

some possible languages:

The TDECQ shall be within the limits given in

Table 168–6 if measured using the test setup specified in 121.8.5.1, with an optical channel specified in 168.7.5.2, using the measurement method specified in 121.8.5.3, and using a reference equalizer as described in 168.7.5.1, with the following exceptions:

The signaling rate of the test pattern generator is as given in Table 168–6 and uses a test pattern

specified for TDECQ in Table 168–10.

— The combination of the O/E converter and the oscilloscope has a 3 dB bandwidth of approximately 26.5625 GHz with a fourth-order Bessel-Thomson response to at least 1.3×53.125 GHz and at frequencies above 1.3×53.125 GHz the response should not exceed – 20 dB. Compensation may be made for any deviation from an ideal fourth-order Bessel-Thomson response.

— The normalized noise power density spectrum, N(f) in Equation (121–9), is equivalent to white noise filtered by a fourth-order Bessel-Thomson response filter with a 3 dB bandwidth of 26.5625 GHz."

or

"The TDECQ shall be within the limits given in Table 168–6 if measured using the test setup specified in 121.8.5.1, with an optical channel specified in 168.7.5.2, using the measurement method specified in 140.7.5, and using a reference equalizer as described in 140.7.5.1."

or other format that fits.

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: Clause, Subclause, page, line

C/ 168 SC 168.7.5 Page 38 of 50 2025/4/18 22:55:18

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Resolve using response to comment #74.

C/ 168	SC	168.7.5	P 37	L 21	# 74	C/ 168	SC	168.7.5.1		P 38	L 5	# 186
lohnson, .	John		Broadcom			Dawe, Pie	rs			Nvidia		
	DECQ t		Comment Status D of in 168.7.5 needlessly re				ong ser			hard to und		<i>consistency_dj</i> places such as 150.8.5,
except	tion for the should	the FFE (v	ethod exceptions that sho which is not needed becau e 121.8.5 and list a comple	use it is the same as	s 121.8.5.4). This	Suggested	Reme	dy			into two sentence uencies", here an	
Suggestea	dRemed	lv				Proposed	Respoi	nse	Response S	tatus W		
Follow descrij	v the spe ptions o	ecification	method of 802.3dj D1.5, rence receiver that are use	ed in other test meth	nod sub-clauses.				IN PRINCIPLE to comment #			
			68.7.5.1, 168.7.5.3 and 16 .7.5 with the following:	8.7.5.4. (168.7.5.2	becomes 168.7.5.1)	C/ 168	SC	168.7.5.3		P 38	L 50	# 46
Tho T		of oach la	ne shall be within the limit	aivon in Tablo 169	6 if mossured using	Ran, Adee	•			Cisco Syste	ms, Inc.	
the me				s given in Table Too	-o ii measureu using	Comment	Туре	ER	Comment S	tatus D		bucket_EZ
specifi	ied in 12 e signali		21.8.5.3, 121.8.5.4 and 1 the test pattern generator			Refere refere		121.8.5.3	is not a functio	nal link. It sh	ould be formatted	d as an external
specifi — The	ied for T e referei	nce receiv	Table 168-10. ver, composed of the coml	pination of the O/E o	converter and the				eferences appe 68.8.1, and ma			168.7.13.3, 168.7.7 (3
a 3 dB	scope, 3 bandw nse to a	idth of ap	proximately 26.5625 GHz	with a fourth-order l	Bessel-Thomson	Suggested Forma			rences in fores	t areen text (color	
•	1.3 × 53		, and at frequencies above	e 1.3 × 53.125 GHz	, the response should	Proposed			Response S	0		
Thoms	son	pensation	may be made for any dev	iation from an ideal	fourth-order Bessel-	PROP	OSED	ACCEPT.				
a fourt	e norma th order		e power density spectrum		-							
— The	e optical	l return los	nse filter with a 3 dB banc ss is as given in Table 168	3-6.								
metho	d descr	ibed	d TDECQ values are achi									
may be used to	e to deterr		lizer tap weights to reduc		, , ,							
sensiti	^r values ivity and	ł	Q. These alternative meth	ods should not be u	sed for receiver							
			tivity calibration.									
Proposed	Respon	ise	Response Status W									
			IN PRINCIPLE. emedy 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: Clause, Subclause, page, line

C/ 168 SC 168.7.5.3

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C/ 168	SC 168.7.5.3	P38	L 53	# 187	C/ 168	SC 168.7.5.4	P 39	L 3	# 47
Dawe, Pier	S	Nvidia			Ran, Adee		Cisco System	ns, Inc.	
Comment T	Гуре Т	Comment Status D		consistency_dj	Comment T	ype E	Comment Status D		bucket_E
More e	xceptions						l be "5-tap, T-spaced".		
Suggested	Remedy				(see for	example 167.8.	6.1 in 802.3db)		
pattern	specified for TDI	e test pattern generator is as ECQ in Table 168–10.	0			are that the sam over to a new cla	e text exists in many previo ause.	us clauses, but a	an error should not be
		optical lanes and therefore one lane and any other lane			SuggestedF	Remedy			
[Stated	above — The co	ombination of the O/E conve	rter and the oscill	oscope has a 3 dB	Change	e per comment.			
		tely 26.5625 GHz with a fou Iz. At frequencies above 1.			Proposed R	esponse	Response Status W		
exceed	I –20 dB. Comper	nsation may be made for an	y deviation from a	an ideal fourth-order	PROPC	SED ACCEPT.			
The no		ower density spectrum, N(f)			C/ 168	SC 168.7.5.4	P39	L19	# 188
	oise filtered by a 625 GHz.	fourth-order Bessel-Thoms	on response filter	with a 3 dB bandwidth	Dawe, Piers	6	Nvidia		
		-			Comment T	ype T	Comment Status D		consistency_CL14
PROP	OSED ACCEPT I				troubles	some for the rece	nain tap at 0.8 would be unh eiver. The over/under-shoot	spec may catch	many such signals. If it
PROPO Resolv	DSED ACCEPT I e using response SC 168.7.5.4		L3	# 83	troubles catches tightenii SuggestedF	some for the rece them all, tighter ng this limit will b Remedy	eiver. The over/under-shoot ning this limit will make no di	spec may catch	many such signals. If it
PROPO Resolv C/ 168 Simms, Wi Comment T	DSED ACCEPT I e using response SC 168.7.5.4 Iliam Type E	N PRINCIPLE. • to comment #74. P39 NVIDIA Comment Status X	-	# 83 bucket_EZ	troubles catches tightenii <i>SuggestedF</i> Change	some for the rece them all, tighter ng this limit will b Remedy 0.8 to 0.85	eiver. The over/under-shoot ning this limit will make no di ne helpful.	spec may catch	many such signals. If it
Resolv Cl 168 Simms, Wi Comment T	DSED ACCEPT I e using response SC 168.7.5.4 Iliam Type E	N PRINCIPLE. to comment #74. P 39 NVIDIA	-		troubles catches tightenin SuggestedF Change Proposed R	some for the rece them all, tighter ng this limit will b Remedy 0.8 to 0.85 Pesponse	eiver. The over/under-shoot ning this limit will make no di	spec may catch	many such signals. If it
PROPO Resolv Cl 168 Simms, Wi Comment T strange Suggested	DSED ACCEPT I e using response SC 168.7.5.4 Iliam Type E e break in text bet	N PRINCIPLE. to comment #74. P39 NVIDIA <i>Comment Status</i> X tween line 3 and 17 with figu	-		troubles catches tightenii SuggestedF Change Proposed R PROPC 0.8 is fc	some for the rece them all, tighter ng this limit will b Remedy 0.8 to 0.85	eiver. The over/under-shoot ning this limit will make no di ne helpful. <i>Response Status</i> W	spec may catch	many such signals. If it
PROPC Resolv Cl 168 Simms, Wi Comment T strange Suggested move f Proposed F	DSED ACCEPT I e using response SC 168.7.5.4 Iliam Type E b break in text bet Remedy igure to after the Response	N PRINCIPLE. a to comment #74. P39 NVIDIA Comment Status X tween line 3 and 17 with figured completed text Response Status W	-		troubles catches tightenii SuggestedF Change Proposed R PROPC 0.8 is fc	some for the rece them all, tighter ng this limit will b Remedy 0.8 to 0.85 Pesponse DSED REJECT. ollowing clause 1	eiver. The over/under-shoot ning this limit will make no di ne helpful. <i>Response Status</i> W	spec may catch	many such signals. If it
PROPO Resolv Cl 168 Simms, Wi Comment T strange Suggested move f Proposed F PROPO	DSED ACCEPT I e using response SC 168.7.5.4 Iliam Type E b break in text bet Remedy igure to after the Response DSED ACCEPTE	N PRINCIPLE. a to comment #74. P39 NVIDIA Comment Status X tween line 3 and 17 with figured completed text Response Status W ED IN PRINCIPLE.	-		troubles catches tightenin SuggestedF Change Proposed R PROPC 0.8 is fo See cor	some for the rece them all, tighter ng this limit will b Remedy 0.8 to 0.85 Pesponse DSED REJECT. Notowing clause 1 mment #74. SC 168.7.5.4	eiver. The over/under-shoot ning this limit will make no di ne helpful. <i>Response Status</i> W 40.	Espec may catch fference. If it do	n many such signals. If it
PROPC Resolv Cl 168 Simms, Wi Comment T strange Suggested move f Proposed F PROPC	DSED ACCEPT I e using response SC 168.7.5.4 Iliam Type E b break in text bet Remedy igure to after the Response DSED ACCEPTE	N PRINCIPLE. a to comment #74. P39 NVIDIA Comment Status X tween line 3 and 17 with figure completed text Response Status W	-		troubles catches tightenin SuggestedF Change Proposed R PROPC 0.8 is fo See cor C/ 168	some for the rece them all, tighter ng this limit will b Remedy 0.8 to 0.85 Pesponse DSED REJECT. Illowing clause 1 mment #74. SC 168.7.5.4 ki, Natalie	eiver. The over/under-shoot ning this limit will make no di le helpful. <i>Response Status</i> W 40. <i>P</i> 39	Espec may catch fference. If it do	n many such signals. If it
PROPC Resolv C/ 168 Simms, Wi Comment T strange Suggested move f Proposed F PROPC	DSED ACCEPT I e using response SC 168.7.5.4 Iliam Type E b break in text bet Remedy igure to after the Response DSED ACCEPTE	N PRINCIPLE. a to comment #74. P39 NVIDIA Comment Status X tween line 3 and 17 with figured completed text Response Status W ED IN PRINCIPLE.	-		troubles catches tightenin SuggestedF Change Proposed R PROPC 0.8 is fo See cor C/ 168 Wienckows Comment T	some for the rece them all, tighter ing this limit will b Remedy 0.8 to 0.85 DSED REJECT. Illowing clause 1 mment #74. SC 168.7.5.4 ki, Natalie type E	eiver. The over/under-shoot ning this limit will make no di le helpful. <i>Response Status</i> W 40. <i>P</i> 39 IVN Solutions	Espec may catch fference. If it do	many such signals. If it besn't catch all of them, the second secon
PROPO Resolv Cl 168 Simms, Wi Comment T strange Suggested move f Proposed F PROPO	DSED ACCEPT I e using response SC 168.7.5.4 Iliam Type E b break in text bet Remedy igure to after the Response DSED ACCEPTE	N PRINCIPLE. a to comment #74. P39 NVIDIA Comment Status X tween line 3 and 17 with figured completed text Response Status W ED IN PRINCIPLE.	-		troubles catches tightenii SuggestedF Change Proposed R PROPC 0.8 is fo See cor Cl 168 Wienckows Comment T figures SuggestedF	some for the rece them all, tighter ng this limit will b Remedy 0.8 to 0.85 PSED REJECT. SED REJECT. SED REJECT. SC 168.7.5.4 ki, Natalie Sppe E should not be in Remedy	eiver. The over/under-shoot ning this limit will make no di le helpful. <i>Response Status</i> W 40. <i>P</i> 39 IVN Solutions <i>Comment Status</i> D	Espec may catch fference. If it do	many such signals. If it besn't catch all of them, the second sec

CI 168 SC	C 168.7.6	P 39	L 27	# 92	C/ 168	SC 168.7.7	P39	L 37	# 75
li, Guangcan		Huawei Techn	ologies Co., Ltd		Johnson, J	ohn	Broadcom		
		Comment Status X is measured using the ECQ in 168.7.5, except that	the test fiber is no	<i>bucket_EZ</i> t used."			Comment Status X reference receiver used to mea .7.5.	sure TX over/u	over/under-shoot ndershoot, refering to
There is onl SuggestedReme delete " of e Proposed Respo	edy each lane"	BRx PMDs in each direction			Suggestedl Replac with "at equaliz Proposed F	e "but without the output of er."	the reference equalizer being a the reference receiver defined in <i>Response Status</i> W	oplied in either o n 168.7.5, befor	case." e the reference
PROPOSE	D ACCEPT.				PROPO	SED ACCEF	РТ.		
C/ 168 SC	C 168.7.7	P39	L 31	# 93	C/ 168	SC 168.7.8	P 40	L17	# 76
/li, Guangcan		Huawei Techn	ologies Co., Ltd		Johnson, J	ohn	Broadcom		
		Comment Status X ange from the method define	ed in CL 140. refer	over/under-shoot ence to CL 140			Comment Status X reference receiver used to mea .7.5.	sure TX power	<i>consistency_dj</i> excursion, refering to
SuggestedReme	edy				Suggestedl	Remedy			
SuggestedRemedy possible language from CL 151, and update the reference tables should serve the purpose : "The over/under-shoot of each lane shall be within the limits given in Table 151–7 if measured using a test pattern specified for over/under-shoot in Table 151–11.					with "at equaliz Proposed F	the output of er." esponse	the reference equalizer being a the reference receiver defined in <i>Response Status</i> W		e the reference
Overshoot a (see 151.8.5 reference eo	and undersho 5) and the wa qualizer being	ot are measured using the w veform captured for the TEC g applied in each case. ot are calculated using the n	aveform captured Q test (see 151.8.	6), but without the	C/ 168	SED ACCEF SC 168.7.9	P40	L 32	# 77
		Ŭ			Johnson, J		Broadcom		
	D ACCEPT IN	Response Status W I PRINCIPLE. to comment #75.				<i>,</i> ,	Comment Status X reference receiver used to mea	sure extinction	<i>consistency_dj</i> ratio, refering to the
Cl 168 SC Dawe, Piers Comment Type	C 168.7.7 E	P 39 Nvidia Comment Status D	L 33	# 189 bucket_EZ	"The ex	following to t tinction ratio	he end of the paragraph: is measured using waveforms ca 68.7.5, before the reference equ	aptured at the o	utput of the reference
There is onl SuggestedReme Change limi	edy	this in the table			Proposed F		Response Status W		
Proposed Respo		Response Status W							

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: Clause, Subclause, page, line

C/ 168 S	SC 168.7.10	P 40	L 36	# 190	C/ 168	SC 168.7.11	P 40	L 53	# 19
Dawe, Piers		Nvidia			Maguire,	Valerie	Copper	opolis (aff'l w/ CME C	onsulting and Cisco)
Comment Type There is o		Comment Status D or this in the table		bucket_EZ	<i>Comment</i> Consi	51	Comment Status I te sentence structure th		consistency_CL140 t.
SuggestedRer Change lir	<i>nedy</i> nits to limit				S <i>uggeste</i> e Repla		as defined" with, "RIN	is defined "	
Proposed Res PROPOSE	<i>ponse</i> ED ACCEPT.	Response Status W			PROF	Response POSED REJECT consistent with c		v	
C/ 168 S	SC 168.7.10	P 40	L 41	# 78	C/ 168	SC 168.7.11	P40	L 53	# 191
Johnson, Johr	ו	Broadcom			Dawe, Pie		Nvidia		
Comment Type		Comment Status X		consistency_dj	Comment		Comment Status)	consistency_dj
	it in this claus	is previously defined in 168.7	.5, so it can be r	eferenced rather than			measured with the optic	-	; = ;
"as measu of approxit × 53.125 0 20 dB. Col Thomson	following tex ired through a mately 26.562 GHz and at free	an O/E converter and oscillos 25 GHz with a fourth-order Be equencies above 1.3 × 53.12 nay be made for any deviatio	essel-Thomson r	esponse to at least 1.3 nse should not exceed –	literati meas Suggestee As thi 180.9 In Tab	ure). This has th urement. d <i>Remedy</i> s project is ahea .11, adjusting for	e scope method descril e advantage that RIN c d of P802.3dj, replace to the optical return loss(o ge "Square wave" to "4 <i>Response Status</i>	an be calculated as a ne contents of 168.7.1 es) and reference Rx I or 6".	by-product of a TECQ
		on time is measured using wated in 168.7.5, before the refe			•	POSED ACCEPT	,	-	
Proposed Res		Response Status W			See c	omment #94.			
	ED ACCEPT.	,			C/ 168	SC 168.7.11	P 41	L 3	# 48
		D 10		"	Ran, Ade	е	Cisco S	Systems, Inc.	
	SC 168.7.11	P 40	L51	# 94	Comment	51	Comment Status	-	consistency_dj
Mi, Guangcan			ologies Co., Ltd		The s	ignaling rate is 5	3.125 GBd, so the num	per should be 53.125	GHz, not 53.2.
	as extensively	Comment Status X y discussed the definition of F			Suggestee Chan	<i>dRemedy</i> ge per comment.			
with what	is being used	RINxOMA which better desc in the field. Related contribu	ion from Ahmad			Response	Response Status	v	
		g/3/dj/public/24_09/chayeb_3	dj_01_2409.pdf			POSED ACCEPT			
SuggestedRer		1			Resol	ve using the resp	oonse to comment #94.		
0	nat is defined	5							
Proposed Res		Response Status W							
The RINx(OMA definition	IN PRINCIPLE. n in dj D1.5 could be used as emedy with editorial license.	references.						
		d ER/editorial required GR/g				11/unsatisfied 7		C/ 168 SC 168 7 11	Page 42 of 50

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

SC 168.7.11

C/ 168	SC 168.7.12	P 41	L	# 218	C/ 168	SC 168.7.12	P 41	L 9	# 193
Dudek, Mi	ke	Marvell			Dawe, Pie	rs	Nvidia		
•	ure 168-6 "meets o	Comment Status X equation constraints" needs	to be below all t	<i>ref_receiver</i> he lines or it needs to be	<i>Comment</i> y axis	<i>Type</i> E can be optimised	Comment Status	D	ref_receiver
delete Suggested					S <i>uggested</i> Chang	-	-18 to 0) to (-15 to -3)	
	Response OSED ACCEPT. omment #111.	Response Status W				Response OSED ACCEPT omment #111.	Response Status N PRINCIPLE.	w	
C/ 168	SC 168.7.12	P 41	L 7	# 51	C/ 168	SC 168.7.12	P 41	L1	5 # 111
					Zimmerma	in, George	ADI,AI	PLgp,Cisco,Marv	vell,OnSemi,Sony,SenTekse
Ran, Adee Comment		Cisco Systen Comment Status X	ns, Inc.	ref receiver	Comment	Туре Т	Comment Status	х	ref_receiver
Figure Suggested Replac Proposed PROP	168-6 is a bitmap <i>Remedy</i> ce the figure with a	o with poor quality. an SVG one. <i>Response Status</i> W			receive equation be ser (deper needs of the	er sensitivity but t ons 168-4, 168-5 sitive to a signal nding on the PHY to be 3 different l line The equati	he axis says OMAout and 168-6 and the te with an OMA of the le type) (but can be ser abels, each indicating	er(dBm). This n ext to unravel. Is vel of equations sitive to a lower which line they to describe the	PHYs. Also, the plot says it is eeds further definition in the this saying that the RS should 168-4, 168-5, and 168-6 level signal)? If so, the label are for, and on the bottom side measurement. I'm sorry, but I ion.
					Suggestea	Remedy			
Cl 168 Dawe, Pie		P 41 Nvidia	L 8	# 192		ler more explana			s" so that it meets all 3 lines. ns 168-4, 168-5 and 168-6 to
Comment		Comment Status D		ref_receiver	Proposed	Response	Response Status	w	
This fi	gure is a bitmap; g	grey and unclear			•	, OSED ACCEPT	,		
	the figure the prop	per way so it appears as a "\	vector graphic" i	n the pdf;	Follow	treatment in 802		cense.	
	ack font; the axes black.				Cl 168	SC 168.7.12	P 41	L1	5 # 52
Proposed	Response	Response Status W			Ran, Adee	•	Cisco	Systems, Inc.	
PROP	OSED ACCEPT I	,			Comment	Type TR	Comment Status	х	ref_receiver
See co	omment #111.						on constraints" appea lines, which is incorre		ves. It suggests that the allowed
					Suggestea	Remedy			
					Move	the label below th	e bottom line.		
					Proposed	Response	Response Status	w	
						OSED ACCEPT	N PRINCIPLE.		
		ER/editorial required GR/		I T/technical E/editorial G/g		11/unsatisfied 7/	withdrawn	C/ 168 SC 168.7.12	Page 43 of 50 2025/4/18 22:55

SORT ORDER: Clause, Subclause, page, line

C/ 168	SC 168.7.12	P 41	L 32	# 49	C/ 168	SC 168.7.12	P 41	L 40	# 50
Ran, Adee		Cisco System	s, Inc.		Ran, Adee		Cisco Syste	ms, Inc.	
Comment T	ype E	Comment Status D		ref_receiver	Comment	Type TR	Comment Status D		ref_receive
	y for equations 1	ation 168-4 is not active. 68-5 and 168-6 in the subse	quent paragraphs.		receive		gh 168-5 have equal signs a s not need to be equal to a the figure.		
00	ne cross-reference	ces active.			Suggested	Remedy			
Proposed R		Response Status W			Either RS.	change the equa	ation to have a "lower than" v	value, or define th	e term as the maximum
	SED ACCEPT I ent suggested re	N PRINCIPLE. emedy with editorial license.			Proposed I	Response OSED ACCEPT	Response Status W		
C/ 168	SC 168.7.12	P 41	L 32	# 84		mment #111.			
Simms, Wil	liam	NVIDIA			C/ 168	SC 168.7.12	P 41	L 40	# 195
Comment T	ype E	Comment Status D		ref_receiver	Dawe, Pier		Nvidia		
Line 32 SuggestedF	, 35, and 38	n x-axis of TECQ but the test or	below the figure re	eferences SECQ.	Comment Units s Suggested Per co	hould be upright Remedy	Comment Status D not italic		ref_receive
	Response DSED ACCEPT I mment #111.	Response Status W N PRINCIPLE.			Proposed I PROP		Response Status W IN PRINCIPLE.		
C/ 168	SC 168.7.12	P 41	L37	# 194	000 00	mment #111.			
Dawe, Piers	6	Nvidia							
Comment T 100GB/	<i>ype</i> E ASE-BR10	Comment Status D		ref_receiver					
SuggestedF 100GB/	Remedy ASE-BR10								
Proposed R	esponse	Response Status W							
	SED ACCEPT I mment #111.	N PRINCIPLE.							

C/ 168	SC 168.7.13	P 42	L1	# 79	C/ 168	SC	168.7.13	P 42	L 38	# 196
Johnson, Jo	ohn	Broadcom			Dawe, Pie	ers		Nvidia		
Comment T	ype TR	Comment Status X		consistency_dj	Comment	Туре	Е	Comment Status D		consistency_dj
	specified in 121	ensitivity test method in 168. I.8.10.	7.13 needlessly	reiterates the test	confor signal,	mance , input :	e signal, opt signal, sigr	conformance test signal, sig tical test signal, stressed rec nal, and stressed receiver co	eiver conforman	ce test signal, test signal. We are
	-	method of 802.3dj D1.5, Cl.1	180.9.13, which r	points to 121.8.10 along				me name for a thing, every ti	me (style guide	10.1.1 Homogeneity).
		otions. Replace the entirety of			Suggested		•			
Stresse	d receiver sensi	tivity of each lane shall be wi	thin the limit give	on in Table 168-7 if	Try to	clean t	this up, as i	much as is reasonable.		
	red using the	livity of each lane shall be wi	ann the innit give		Proposed	Respo	nse	Response Status W		
		8.10 with the following except						N PRINCIPLE.		
	SECQ of the str	essed receiver conformance	test signal is me	asured according to	See co	ommen	nt #79.			
		used. The transition time of t	he stressed rece	iver conformance test	C/ 168	SC	168.7.13	P 42	L 39	# 197
signal is		le specified in Table 168-6.			Dawe, Pie	ers		Nvidia		
		oise generator on and the sir	nusoidal jitter and	l sinusoidal interferer	Comment	Туре	Е	Comment Status D		consistency_dj
turned o	,				"SRS"	is not	explained.	It is used only three times.		
RINXON 6.	MA of the SRS to	est source should be no grea	ter than the value	e specified in Table 168-	Suggested	Reme	dy			
	signaling rate of	the test pattern generator an	nd the extinction	ratio of the E/O	Spell i	t out ea	ach time			
	er are as	ing toot nottorno on oifind in	Table 169 10		Proposed	Respo	nse	Response Status W		
— The I Stresse	required values ed eye	ing test patterns specified in of the "Stressed receiver sen	nsitivity (OMAout				ACCEPT I nent in 802	N PRINCIPLE. .3dj.		
closure given in		Q), lane under test" and "OM	Aouter of each a	ggressor lane" are as	C/ 168	SC	168.7.13	P 42	L 42	# 198
Table 1					Dawe, Pie	ers		Nvidia		
Proposed R	Response	Response Status W			Comment	Туре	т	Comment Status D		new
PROPC	DSED ACCEPT.					tell the		nce of the optical link should nat to do, and unlike the TDE		
					Suggested	Reme	dy			
					Explai	n this f	ully or dele	te the sentence.		

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. Consider revising figure 168-7.

C/ 168 SC 168.7.13	P 42	L 44	# 199	C/ 168 SC 168.7	.13.3 P43	L33	# 201
Dawe, Piers	Nvidia			Dawe, Piers	Nvidia		
Comment Type T	Comment Status D		quick review	Comment Type E	Comment Status D		consistency_dj
While it should be obvi	ous			Now that we have a	a definition of TECQ, this can be	e done directly	
SuggestedRemedy				SuggestedRemedy			
should be operational	e PMD's transmitter and any o when stressed sensitivity (and ter measurements such as T	d regular sensitiv	ity) is measured. The	measured accordin	ed according to 168.7.5, except g to 168.7.6"	that the test fiber	is not used" to "is
8			d.	Proposed Response	Response Status W		
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE. remedy with editorial license.			PROPOSED ACCE See comment #79.	PT IN PRINCIPLE.		
				C/ 168 SC 168.7	.13.3 P43	L 41	# 202
C/ 168 SC 168.7.13		L35	# 263	Dawe, Piers	Nvidia		
Wienckowski, Natalie	IVN Solutions	s LLC		Comment Type E	Comment Status X		consistency_d
Comment Type E Figure 168-7 is part of	Comment Status D 168.7.13.1, not 168.7.13.		bucket_EZ		e: The word may is used to indi ndard (may equals is permitted		ction permissible within
SuggestedRemedy				SuggestedRemedy			
Ū.	er the first paragraph of 168.7	.13.1.		Change "under-stre might result"	essed may result" to "under-stre	ssed could result"	or "under-stressed
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed Response PROPOSED ACCE	Response Status W		
C/ 168 SC 168.7.13	1 P 43	L 2	# 200	See comment #79.			
Dawe, Piers	Nvidia			C/ 168 SC 168.8	.1 P44	L 3	# 203
Comment Type E	Comment Status D		bucket_EZ	Dawe, Piers	Nvidia		
100 MHz				Comment Type E Links to be made b	Comment Status D		bucket_EZ
SuggestedRemedy				SuggestedRemedy	,		
Use non-breaking space	ce de la constante de la consta				een. Also in 168.12.4.		
Proposed Response	Response Status W			Proposed Response			
PROPOSED ACCEPT	IN PRINCIPLE.			PROPOSED ACCE	Response Status W		

C/ 168 SC 168	82	P 44	L17	# 204	C/ 168	SC	168.9	P 45	L26	# 205
Dawe, Piers		Nvidia			Dawe, Pier			Nvidia	-20	11 200
Comment Type E Most sections like		nment Status D		bucket_EZ	Comment	Туре	T) km = 6 d	Comment Status D B at 1310 nm. 10GBASE-BR	10 can be at 12	consistency_CL140
A host system tha may emit laser ra	It fails to meet diation in exce		s of one or more		25GBA shortes	ASE-B st wav annel i	R10 and 5 elength is nsertion le	50GBASE-BR10, also 1260 nn 1303.6 nm so the same cable oss using the link model, it's 6.	n, are allowed 6 won't show so	6.3 dB. 100GBASE-BR's much loss. Calculating
SuggestedRemedy										
If this footnote is	equired, add	it			Suggested		,	1) Change the hudget for 100		from 10 6 to 10 2 (or
Proposed Response	,	onse Status W			Chang 10.4).	e 6.3 i	0 6 (or 6.	 Change the budget for 100 	IGBASE-BRIU	from 10.6 to 10.3 (or
PROPOSED ACC Implement sugge		NCIPLE. with editorial license.			Proposed I PROP	'	nse REJECT	Response Status W		
C/ 168 SC 168	.9	P 45	L17	# 85				R PMDs in previous clauses.		
Simms, William		NVIDIA			C/ 168	SC	168.9	P 45	L 30	# 271
Comment Type E	Com	nment Status X		bucket_EZ	Maniloff, E	ric		Ciena		
another break in t	ext for table				Comment	Туре	т	Comment Status D		consistency_d
SuggestedRemedy move table after t	ext				values	, as do	ocumente	tical analysis is being used to d in G.652 Appendix I. The do	cument should	clarify the approach
Proposed Response PROPOSED ACC		oonse Status W			dispers	sion sp		D values. 802.3dj currently inc ns are based on the statistical bendix I."		
C/ 168 SC 168	9	P 45	L19	# 264	Suggested	Reme	dy			
Wienckowski, Natalie		IVN Solutions		<i>"</i> 204	Add a dispers			CD values in Table168-12 indic	cating the meth	od used to calculate the
Comment Type E	Com	nment Status D		bucket_EZ	Proposed I	Respo	nse	Response Status W		
tables should not	be in the mide	dle of a paragraph						IN PRINCIPLE.		
SuggestedRemedy					Add to			actions are based on the stati	otioal link dooin	n mothodology
Move Table 168-	2 after the pa	aragraph text.			docum			cations are based on the stati	sucai iirik desig	птеподоюду
Proposed Response PROPOSED ACC		oonse Status W			ITU-T I	REC	9.652, Apj	pendix I.".		

C/ 168 SC 168.9	P 45	L 36	# 206	C/ 168	SC 168.10	P4	6 L9	# 209
Dawe, Piers	Nvidia			Dawe, Pier	rs	Nvidia	a	
Comment Type T	Comment Status D		bucket	Comment		Comment Status	-	bucket_E
This gives the disper	sion ranges for the upstream d	irection only), or	type G.657.A1	or type G.657.A2 (ben	d insensitive) fibe	ers or the requirements in
uggestedRemedy				Suggested	Remedy			
Add two more rows for	or the dispersion ranges for the	downstream dire	ection.		comma, as in 1		d inconsitivo) fibo	ers, or the requirements in
roposed Response	Response Status W			Proposed I		, , , , , , , , , , , , , , , , , , ,	,	ers, or the requirements in
PROPOSED REJEC The dispersion cover	s both directions.			•	OSED ACCEPT	Response Status T.	vv	
(This is simplification	,			C/ 168	SC 168.10	P4	6 L2	6 # 210
7 168 SC 168.9	P 45	L 44	# 207	Dawe, Pier	rs	Nvidia	a	
awe, Piers	Nvidia			Comment	Туре Е	Comment Status	D	bucket_E
<i>comment Type</i> T Other clauses have c	Comment Status D changed to the IEC definition		bucket_EZ		ot support opera 100GBASE-BF		ASE-BR10, 20 kr	m for 100GBASE-BR20 or 40
SuggestedRemedy				Suggested	lRemedy			
Change "ANSI/TIA/E method"	IA-526-7/method A-1" to "the I	EC 61280-4-2 on	e-cord reference		ot support operation for 100GBASE)GBASE-BR10, 2	20 km for 100GBASE-BR20 or
Proposed Response	Response Status W			Proposed I	Response	Response Status	w	
PROPOSED ACCEP	РТ.			PROP	OSED ACCEP	Г.		
SC 168.10	P 46	L 1	# 208	C/ 168	SC 168.11	P 4	7 L39	9 # <u>212</u>
awe, Piers	Nvidia			Dawe, Pier	rs	Nvidia	a	
comment Type E	Comment Status D		bucket_EZ	Comment	Туре т	Comment Status	D	interoperatio
Table 168-12 contain uggestedRemedy	as numbers not definitions			not, wi	th 100GBASE-			o address interoperability, or o stay within the chromatic
Change "defined in" t	to "given in" or "of"			Suggested	IRemedy			
Proposed Response PROPOSED ACCEP Change "defined in" f				168.11 The 10 an eng 100GE minimu directio Interop	00GBASE-BR20 gineered link) pr 8ASE-BR20 in 1 um channel insections separately. peration betwee	ovided that the fiber of Fable 168-12 are met, v ertion loss values, which Attenuators may be us	0 PMDs can inter otic cabling (chan with the exception ch are given in Ta sed to achieve the	roperate with each other (over inel) characteristics for n of the maximum and able 168-15 for the two link e required losses. R20 or 100GBASE-BR40 is not
				Proposed I	Response	Response Status	w	
					OSED REJECT omment #130.			
•	ired ER/editorial required GR/ dispatched A/accepted R/reje Subclause, page, line	• •	6		U/unsatisfied 2	Z/withdrawn	C/ 168 SC 168.11	Page 48 of 50 2025/4/18 22:5

	SC 168.11	P 47	L 39	# 211	C/ 168	SC 168.12.1	P 48	L 28	# 214		
Dawe, Pier	rs	Nvidia			Dawe, Pier	S	Nvidia				
Comment TypeEComment StatusDinteroperation"168.11 Requirements for interoperation between 100GBASE-BRx PMDs" other similar material e.g. in 151 doesn't say "Requirements for".Interoperation						Comment Type E Comment Status D buck Blank sub-row?					
Suggested	-				Suggested	<i>Remedy</i> e. Also in 168.12	2 tuice				
Delete	"Requirements f	or" here and in the table title									
Proposed I	Response OSED ACCEPT.	Response Status W			Proposed Response Response Status W PROPOSED ACCEPT.						
Change the subclause title of 168.11 into: "Interoperation between 100GBASE-BRx PMDs". Change the table title of Table 168–15 into:						SC 168.12.3	P 49	L13	# 215		
						S	Nvidia				
"Chanr BR40"	nel characteristic	s for interoperation between			Comment Type E Comment Status D bucket The ONU silent start applies to the U PHYs but not the D PHYs D						
C/ 168	SC 168.11	P 47	L 47	# 219	Suggested Create		U and D. Status of F12 ON	NU silent start be	comes U:M		
Dudek, Mił	Mike Marvell					Proposed Response Response Status W					
Comment		Comment Status D		interoperation	PROPOSED ACCEPT.						
specs	for the two direct	between the BR20 and BR40 ions. To be compliant in bo	th directions it ap		C/ 168	SC 168.12.3	P 49				
	en BR20 and BR4 but could be spee	40 would have to be min 8.30 cified.	IB and max 10dB	which is a very small	Slavick, Je		P 49 Broadcom	L15	# 104		
range l	but could be spee		lB and max 10dB	which is a very small		ff		L15			
range l S <i>uggested</i>	but could be spec IRemedy				Slavick, Je Comment T INS is	ff <i>Type</i> TR used as a condito	Broadcom				
range l Suggested Collaps	but could be spec <i>IRemedy</i> se the two rows i	cified.			Slavick, Je Comment INS is Suggested	ff Type TR used as a condito Remedy	Broadcom Comment Status D		# <u>104</u> bucket_E		
range l Suggested Collaps 10dB Proposed l PROP0	but could be spec <i>IRemedy</i> se the two rows i	cified. n Table 168-15 into one row. <i>Response Status</i> W			Slavick, Je Comment T INS is Suggested Add a Proposed F	ff Type TR used as a condito Remedy * before INS in th Response	Broadcom Comment Status D onal in 168.12.4.8 so it need				
range l Suggested Collap: 10dB Proposed l PROPO See co	but could be spec IRemedy se the two rows i Response OSED ACCEPT	cified. n Table 168-15 into one row. <i>Response Status</i> W			Slavick, Je Comment T INS is Suggested Add a Proposed F	ff <i>Fype</i> TR used as a condito <i>Remedy</i> * before INS in th	Broadcom <i>Comment Status</i> D onal in 168.12.4.8 so it needs e item column in 168.12.3				
range I Suggested Collap: 10dB Proposed I PROPO See co Cl 168	but could be spec Remedy se the two rows in Response OSED ACCEPT omment #130. SC 168.12.1	cified. n Table 168-15 into one row. <i>Response Status</i> W IN PRINCIPLE.	With min loss of	8.3dB and max loss of	Slavick, Je Comment T INS is Suggested Add a Proposed F	ff Type TR used as a condito Remedy * before INS in th Response	Broadcom <i>Comment Status</i> D onal in 168.12.4.8 so it needs e item column in 168.12.3				
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range I Suggested Collap: 10dB Proposed I PROPO See co Cl 168 Dawe, Pier Comment Links to Suggested	but could be spec <i>Remedy</i> se the two rows in <i>Response</i> OSED ACCEPT omment #130. <i>SC</i> 168.12.1 rs <i>Type</i> E to be made by state	cified. n Table 168-15 into one row. <i>Response Status</i> W IN PRINCIPLE. <i>P</i> 48 Nvidia <i>Comment Status</i> D	With min loss of	8.3dB and max loss of # 213	Slavick, Je Comment T INS is Suggested Add a Proposed F	ff Type TR used as a condito Remedy * before INS in th Response	Broadcom <i>Comment Status</i> D onal in 168.12.4.8 so it needs e item column in 168.12.3				

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: Clause, Subclause, page, line

C/ 168 SC 168.12.3 Page 49 of 50 2025/4/18 22:55:18

C/ 168 SC 168.12.3	P 49	L 28	# 109	C/ Introdu SC Introduction	P 8	L 31	# 55		
Zimmerman, George	ADI,APLgp,C	sco,Marvell,OnS	Semi,Sony,SenTekse	Regev, Alon	Keysight				
Comment Type T Delay constaints is a se that need to be spelled	Comment Status X ection of the PICS, not a capa out in their own table.	bility or option.	<i>consistency_cp</i> These are requiremetns	Comment Type E Comment Status X bucket_E "802.3xx" should be "802.3dk"					
SuggestedRemedy				SuggestedRemedy "802.3xx" should be "802.3dk"					
and renumber subsequ	.12.3, add new section 168.1 ent PICS statements. Go thr one-by-one to populate (this i	ough 168.3 and	call out the delay		nse Status 🛛 ₩				
Proposed Response	Response Status W			C/ Particip SC Participants	P 7	L 4	# 54		
PROPOSED REJECT. Keep consistent with 80	02.3cp.			Regev, Alon	Keysight				
C/ Content SC Contents	P12	LO	# 133	Comment Type E Comm "P802.3xx" should be "P802.3dk	nent Status X		bucket_EZ		
Dawe, Piers	Nvidia			SuggestedRemedy					
Comment Type E Contents is missing	Comment Status D		bucket_EZ	change "P802.3xx" to "P802.3dk					
SuggestedRemedy Add Contents				Proposed Response Respo PROPOSED ACCEPT.	nse Status W				
Proposed Response PROPOSED ACCEPT. See comment #258.	Response Status W								
C/ Introdu SC Introduct	ion P8	L 4	# 56						
Regev, Alon	Keysight								
Comment Type E "802.3xx" should be "80	Comment Status X		bucket_EZ						
SuggestedRemedy "802.3xx" should be "80)2.3dk"								
Proposed Response PROPOSED ACCEPT.	Response Status W								