C/ FM	SC FM	P1	L 23	# 24	C/ FM	SC	FM	<i>P</i> 1	L 26	# 25
Ran, Adee	e	Cisco System	s, Inc.		Ran, Ade	е		Cisco System	s, Inc.	
	st of amendmen	Comment Status A ts is missing. ndments are listed in the propo	sed respons	bucket_EZ(quick review)		Force r		Comment Status A completed.		bucket_EZ
Suggested	-				Suggeste Chan			eview" to "Working Group Ball	ot".	
Chang to	je "as amended	by IEEE Std 802.3yy-20xx"			Response	-		Response Status C		
"as an IEEE \$	Std 802.3ck-202	Std 802.3dd-2022, IEEE Std 8 22, IEEE Std 802.3de-2022, IEE 22, IEEE Std 802.3de-2022, IEE	E Std 802.3	cx-2023, IEEE Std 802.3cz-	ACCE See o		nt #132.			
2023, 2024".		cy-2023, IEEE Std 802.3df-202	4, and IEEE	Sta 802.3-2022/Cor 1-	C/ FM	SC	FM	P1	L 26	# 132
Response		Response Status C			Dawe, Pie	ers		Nvidia		
	PT IN PRINCIP omment #112.	LE.			<i>Comment</i> Task	<i>Type</i> Force r	E eview	Comment Status A		bucket_EZ
C/ FM	SC FM	P 1	L 23	# 112	Suggeste	dReme	dy			
Zimmerma	an, George	ADI,APLgp,Ci	sco,Marvell,	DnSemi,Sony,SenTekse	Worki	ng Gro	up ballot			
Comment	Type ER	Comment Status R		bucket_EZ(quick review)	Response	9		Response Status C		
		IEEE Std 802.3-2022 which hand			ACCE	PT.				
import	ant to keep trac	k of the other changes so that t	he new char	iges are properly	C/ FM	SC	FM	P 8	L 3	# 26
		numbers and other changes m) & 45 in places near or at whe			Ran, Ade	е		Cisco System	s, Inc.	
		ny marking this comment, whic			Comment	Туре	Е	Comment Status R		bucket_EZ(quick review)
Suggested	Remedy				The p	laceho	lders in the	e text box should be replaced.		
this an db, ck ahead Editor	nendment in the , de, cx, cz, cy, of this amendm to review edits t	2.3y-20xx" with the list of public process. (Note - Include at lead of , and Cor1 listed in the intro- nent. to existing clauses (30, 45, and nstructions for location of chan-	st the publis duction), as 80) to deter	hed amendments (dd, cs, well as 802.3da which is mine whether any section	"IEEE (copy to	ge from Std 80 from P)2.3xx-20x AR)."	x, IEEE Draft Standard for Eth		
Response		Response Status C			Gb/s	Optical	Access P	HÝs"		
REJE(lata			Response)		Response Status C		
FUIIOW	the latest temp	iale.			REJE See d		nt #222.			

C/ FM SC FM

C/ FM	SC FM	P 8	L 31	# 27	C/ 00	SC 0		P 1	L	# 28
Ran, Ade	e	Cisco System	s, Inc.		Ran, Adee			Cisco Syste	ms, Inc.	
Comment	Туре Е	Comment Status A		bucket_EZ	Comment T	уре т	R	Comment Status R		consistency_cp
Place	holder should be	replaced						refers to "a single strand of		
00	dRemedy ae "IFFF Std 802	.3xx-20xx" to "IEEE Std 802.3	3dk-20xx"		instance	es of "stra	and", al	in the draft, but is not defi l related to copper wires, n d" means.		
Response	•	Response Status C			SuggestedF		e olian	a mouno.		
ACCE							d" mea	ns a single fiber, as it seen	ns from the draf	t, I suggest changing "a
		D -			single s in 30.5.		single-r	node fiber" to "one single-n	node fiber", con	sistent with the text added
C/ 00	SC O	P 0	LO	# 53			s the d	raft (3 instances, and poss	blv other places	as appropriate).
Regev, Al		Keysight			Response			Response Status C		
Comment	51	Comment Status A		bucket_EZ	REJEC	т				
Tile is Autho Subje	s listed as "IEEE D or is listed as "IEE oct is listed as "IEE	E P802.3xx Task Force"	s reserved."		All the a		will not	stract and list of amendmer be incorporated into the 8 2.3cp.		lard.
	dRemedy									
chang chang chang	ge Author fron "IEI ge Subject from "II	Draft P802.3xx" to "IEEE Dr. EE P802.3xx Task Force" to ' EEE P802.3aj" to ""IEEE P80 e from "Copyright © 201x IEE served."	'IEEE P802.3dk [*] 2.3dk"							
Response ACCE		Response Status C								
	SC O	P 0	LO	# 131						
C/ 00										
	ers	Nvidia								
Dawe, Pie Comment		Comment Status A		bucket_EZ						
Suggeste	Type E	Comment Status A ult		bucket_EZ						

CI 00 SC 0

CI 00	SC 0	P1	L13	# 222	C/ 00	SC O	P 7	L 31	# 20
Wienckov	vski, Natalie	IVN Solutions	LLC		Lusted, K	ent	Synopsys		
<i>Comment</i> The A	51	Comment Status R le is supposed to match the nam	ne in the PAR	bucket_EZ(quick review)	<i>Comment</i> Fill in	51	Comment Status A mation in the introduction		bucket_EZ
Chan		: Bidirectional 100 Gb/s Optical ater than 50 Gb/s Bidirectional (Suggester Fill in	-	rmation in the introduction		
		he heading of each page.			Response		Response Status C		
Response	9	Response Status C			ACCE	:PT.			
REJE					CI 00	SC 0	P 7	L 50	# 6
	tle is within the ause 4.2.3.2 'Re	eview of draft standards' of the I	EEE-SA Stand	lards Board Operations	Maguire,	Valerie	Copperopolis	aff'l w/ CME C	Consulting and Cisco)
Manu conte	al <https: stanc<br="">nt/uploads/impc</https:>	dards.ieee.org/wp- ort/documents/other/sb_om.pdf# ment and submittal form shall b	page=10> lists	' 'Title of Document. The	Comment IEEE-		<i>Comment Status</i> A Board member names to be su	pplied at publica	<i>bucket_E</i> Z ation
		ed PAR, or action(s) shall be tal			Suggeste	dRemedv			
SA 20 Board)14 Style manua Operations Ma	al has similar text that reads, 'Pe mual, the title on the draft docur	r 4.2.3.2 of the	e IEEE-SA Standards	Repla	ce, "Konstantin	os Karachalios, Secretary"		
		approved PAR.' org/myproject/Public/mytools/dra	aft/styleman.nc	lf#nage=13>	with, '	'FirstName Sec	ondName, Secretary"		
Shup	s.//mentor.ieee.t		an/styleman.pc	impage=102.	Response	•	Response Status C		
		the title of the draft standard mu tive to match the title of the appr			ACCE	PT.			
P802	3dk PAR is 'De	fine physical layer specifications	and manager	nent parameters for	CI 00	SC 0	P8	L 4	# 223
symm	netric bidirection	al operation at greater than 50 (Sb/s over a sin	gle strand of single		vski, Natalie	IVN Solutions		
than t		10 km.'. Since Bidirectional single strand of single-mode fibr			Comment	Type ER	Comment Status R		bucket_EZ(quick review,
		•			The b	ox under "Intro	duction" needs to be updated w	ith P802.3dk in	formation.
CI 00	SC O	P 2	L 4	# 8	Suggeste	-			
Maguire,			(aff'l w/ CME C	consulting and Cisco)		ge: Std 802.3-2 d 802.3dk-202			
Comment Consi	51	Comment Status A itional Keywords.		quick review	and C	hange: Amend	, ment title (copy from PAR) Gb/s Bidirectional Optical Acce	ss PHYs Task F	Force
Suggeste	dRemedy				Response	•	Response Status U		
	in alphabetical al Line Terminal	order: I (OLT), Optical Network Termin	al (ONT), Opti	cal Network Unit (ONU)	REJE See o	CT. omment #222.			
Response	9	Response Status C							
Optic	EPT IN PRINCIF al Line Terminal used in the draf	l (OLT) and Optical Network Uni	t (ONU) could	be added, which have					
		red ER/editorial required GR/g	on oral require		oporal		C/ 00		Page 3 of 53

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/ 00 SC 0 Page 3 of 53 2025/7/8 10:02:05

CI 00	SC O	P11	L 2	# 7	C/ 1	SC 1.4	P11	LO	# 96
Maguire, V	Valerie	Copperopolis	(aff'l w/ CME C	Consulting and Cisco)	Slavick, Jef	f	Broadcom		
Comment Consid	51	Comment Status A nolder information for P802.30	da	bucket_EZ(quick review)	Comment Ty Missing		Comment Status A 100GBASE-BR10/20		quick review
Suggested	dRemedy				SuggestedF	Remedy			
Ameno Clause manag 10BAS provisi pair mi Clause (Editor <i>Response</i> ACCE	Std 802.3da™-2 dment X- This an e 188 through Cla gement paramete SE-T1S PHY spe ion of power over ixing segments. / e 148 to automati r to ensure that T	nendment includes changes to ause 189. This amendment ac ers for enhancement of multid cified in Clause 147 of IEEE S single balanced Additionally, this amendment ically allocate node IDs (Dyna M is superscript) <i>Response Status</i> C	dds Physical La rop 10 Mb/s op Std 802.3-2022 includes additio	ayer specifications and eration based on the , and specifies optional	link ove specifica connect 1.4.y 10 link ove specifica connect 1.4.z 10 link ove specifica	r one single-m ations for 1000 s one to the o 0GBASE-BR2 r one single-m ations for 1000 s one to the o 0GBASE-BR4 r one single-m ations for 1000	0: IEEE 802.3 Physical Layer ode fiber with reach up to at le GBASE-BR10-D and 100GBA ther. (See IEEE Std 802.3, Cla 20: IEEE 802.3 Physical Layer ode fiber with reach up to at le GBASE-BR20-D and 100GBA ther. (See IEEE Std 802.3, Cla 0: IEEE 802.3 Physical Layer ode fiber with reach up to at le GBASE-BR40-D and 100GBA ther. (See IEEE Std 802.3, Cla <i>Response Status</i> C	east 10 km. The SE-BR10-U; a tr ause 168.) specification for east 20 km. The SE-BR20-U; a tr ause 168.) specification for east 40 km. The SE-BR40-U; a tr	re are different ransmission path r a 100 Gb/s bidirectional re are different ransmission path r a 100 Gb/s bidirectional re are different
See co	omment #112.								
CI 00	SC 0	P11	L 54	# 258		T IN PRINCIP ent suggested	LE. remedy with editorial license.		
C/ 00 Wienckow	SC 0 /ski, Natalie	IVN Solutions						LO	# 134
Cl 00 Wienckows Comment	SC 0 /ski, Natalie <i>Type</i> ER	IVN Solutions Comment Status A		# 258 bucket_EZ	Impleme	ent suggested SC 1.4	remedy with editorial license.	LO	# [134
Cl 00 Wienckows Comment Missin Suggested	SC 0 /ski, Natalie <i>Type</i> ER ng table of conten // <i>Remedy</i>	IVN Solutions Comment Status A	LLC	bucket_EZ	Impleme Cl 1 Dawe, Piers Comment Ty Physica	SC 1.4 SC 1.4 ype E I Layer definiti	remedy with editorial license.	LO	# 134 quick review
Cl 00 Wienckows Comment Missin Suggested	SC 0 vski, Natalie Type ER ng table of conten dRemedy e table of contents	IVN Solutions Comment Status A ts	LLC	bucket_EZ	Impleme Cl 1 Dawe, Piers Comment Ty Physica SuggestedF	SC 1.4 SC 1.4 ype E I Layer definiti Remedy	P12 Nvidia Comment Status A		quick review

C/ 1 SC 1.4

C/ 30	SC 30.5.1.1.2	P 12	L11	# 122	C/ 30
Huber, Tl	nomas	Nokia			Slavick, Jeff
Commen	tType E	Comment Status A		bucket_EZ	Comment Ty
		uded in 30.5.1.1.2 of 802.3			100GBA
		the PHYs are listed alphab before 100GBASE-CR	etically by rate; a	s such, this set BRxx	SuggestedRe
	dRemedy				Change
00		uction to say "Insert the foll	owina types into t	he "APPROPRIATE	SYNTAX 2022):"
		5.1.1.2 after 50GBASE-SR			Response
Response	9	Response Status C			ACCEPT
	EPT IN PRINCIPLE				See com
See	comment #135.				C/ 30
CI 30	SC 30.5.1.1.2	P 12	L12	# 135	Dawe, Piers
Dawe, Pi	ers	Nvidia			Comment Ty
Commen	t Type E	Comment Status A		bucket_EZ	So that t
		n are in order of MAC rate -	reach - length, th	is is in alphanumeric	SuggestedRe
order					Please s
00	dRemedy	r 100GBASE-T" to "30.5.1.	1.2 (as modified b	VIEEE Std 902 2ak	Response
		SR and before 100GBASE-		y ILLE Stu 602.5CK-	ACCEPT
Response	9	Response Status C			For table
ACCE	EPT.				Impleme
C/ 30	SC 30.5.1.1.2	P 12	L12	# 113	C/ 30
					Dawe, Piers
	ian, George		Jisco, Marvell, One	Semi,Sony,SenTekse	Comment Ty
Comment	51	Comment Status A		bucket_EZ	In 30.5, c
		E-T guy, I'm pretty sure we oes this go? Most of these			50GBAS without a
MAU	s are the first in the	100G section (whereas	"T" would be in ar	n odd place, near the	SuggestedRe
	and the location of ER4 row that's v	the new row in the fault dea	scription tables is	grouped after the	Either ch
	dRemedy	ing minor sure			these on
00	ge 100GBASE-T to	50GBASE-SR			Response
_					ACCEPT
Response		Response Status C			Keep the
	EPT IN PRINCIPLE comment #135.				Maintena
2000					

		1.1.2	P 12	L12	# 105
Slavick, Jef	f		Broadcom		
Comment T 100GB	<i>ype</i> ER ASE-T does		nt Status A		bucket
Suggested	Remedy				
					the "APPROPRIATE by IEEE Std. 802.3cł
Response		Respons	e Status C		
	PT IN PRINC mment #135				
CI 30	SC 30.5.1	1.1.2	P 12	L16	# 136
Dawe, Piers	S		Nvidia		
Comment T	ype E	Comme	nt Status A		bucket_EZ(taken
So that	the reviewe	rs can confirm t	that the new mate	erial is inserted ir	n the correct place
Suggested Please	-	w before and o	ne after the new i	material	
Please Response ACCEF	show one ro	Respons	ne after the new r se <i>Status</i> C nd one after the n		
Please Response ACCEP For tab	show one ro PT. les, show or	<i>Respons</i> ne row before ar	e Status C		
Please Response ACCEP For tab	show one ro PT. les, show or	<i>Respons</i> ne row before ar ed remedy with	e <i>Status</i> C nd one after the n		# 137
Please Response ACCEF For tabl Implem	show one ro PT. les, show or ent suggest SC 30.5.	<i>Respons</i> ne row before ar ed remedy with	e <i>Status</i> C nd one after the n editorial license.	ew material.	# 137
Please Response ACCEF For tabl Implem C/ 30	show one ro PT. les, show or ent suggest SC 30.5. 4	Respons ne row before ar ed remedy with I.1.2	ne Status C nd one after the n editorial license. P 12	ew material.	# 137 quick ret
Please Response ACCEF For tabl Implem C/ 30 Dawe, Pier Comment 7 In 30.5, 50GBA	show one ro PT. les, show or ent suggest SC 30.5. s <i>ype</i> T one should	Respons ne row before ar ed remedy with I.1.2 Comme not describe th	ne Status C nd one after the n editorial license. P12 Nvidia nt Status A ese MAU types "k	ew material. /18 bi-directional" wł	
Please Response ACCEF For tabl Implem C/ 30 Dawe, Pier Comment 7 In 30.5, 50GBA	show one ro PT. les, show or ent suggest SC 30.5.4 s <i>SPPE</i> T one should SE-BR10 ar a hyphen.	Respons ne row before ar ed remedy with I.1.2 Comme not describe th	ne Status C nd one after the n editorial license. P12 Nvidia nt Status A ese MAU types "k	ew material. /18 bi-directional" wł	<i>quick re</i> nen others such as
Please Response ACCEF For tabl Implem Cl 30 Dawe, Piers Comment 7 In 30.5, 50GBA without Suggestedf	show one ro PT. les, show or ent suggest SC 30.5.4 s <i>SPPE</i> T one should SE-BR10 ar a hyphen. Remedy thange the c	Respons the row before are ed remedy with I.1.2 Comment not describe the and 40GBASE-T	ne Status C nd one after the n editorial license. P12 Nvidia nt Status A ese MAU types "h are not described	ew material. <i>L</i> 18 bi-directional" wł I like that. By th	<i>quick re</i> nen others such as
Please Response ACCEF For tabl Implem Cl 30 Dawe, Piers Comment 7 In 30.5, 50GBA without Suggested Either c	show one ro PT. les, show or ent suggest SC 30.5.4 s <i>SPPE</i> T one should SE-BR10 ar a hyphen. Remedy thange the c	Respons the row before are ed remedy with I.1.2 Comment not describe the not 40GBASE-T	ne Status C nd one after the n editorial license. P12 Nvidia nt Status A ese MAU types "h are not described	ew material. <i>L</i> 18 bi-directional" wł I like that. By th	<i>quick re</i> n nen others such as e way, 802.3 spells it

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	30
SC	30.5.1.1.2

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C/ 30	SC 30.5.1.1.2	P 12	L 20	# 58	C/ 45	SC 2.1.28	P 15	L 43	# 221
Regev, Alo	on	Keysight			Effenberg	ger, Frank	Futurewei Te	chnologies	
	ences to "Clause 1	Comment Status A 68" should be links		bucket_EZ			<i>Comment Status</i> A ed bits are not quite right, a	s there are wo	CL45_controlregiste codepoints that need to
Suggested on line 168" Response	es 20, 23, 26, 29, 3	32, and 35 make the referen Response Status C	ces to "Clause 1	68" into links to "Clause	Add t 1 1 x	dRemedy he following: x x x = Reserved 1 1 x = Reserved			
ACCE See co	PT. omment #114.				Response		Response Status C		
CI 30	SC 30.5.1.1.2	P 12	L 20	# 114		comment #147.			
Comment	an, George <i>Type</i> E	ADI,APLgp,C Comment Status A should be active cross-refe		Semi,Sony,SenTekse bucket_EZ	C/ 45 Wienckov	SC 45.2.1.7.4 wski, Natalie	P13 IVN Solution	L 10 s LLC	# 224
Suggested Replac Response ACCE	ce "Clause 168" te	ext at lines 20, 23, 26, 29, 32 Response Status C	e, and 35 with ac	tive cross references	Suggeste	des an unchanged d <i>Remedy</i> e unchanged row	Comment Status R row when the editing instruct Response Status C	ctions say it doo	bucket_EZ(taken out esn't.
Cl 30 Dawe, Pie Comment Three	Туре Е	P 12 Nvidia Comment Status A	L 23	# 139 bucket_EZ	, REJE				
Suggested Should Response ACCE	d not be underline	d Response Status C							
CI 30	SC 30.5.1.1.2	P 12	L 23	# 138					
Dawe, Pie Comment Trailing		Nvidia Comment Status A		bucket_EZ					
Suggested Remov	-	ere are five in this page							
Response ACCE		Response Status C							
TYPE: TR/	technical required	ER/editorial required GR/	general required	T/technical E/editorial G/g	eneral		C/ 4	5	Page 6 of 53

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 SC 45.2.1.7.4 Page 6 of 53 2025/7/8 10:02:05

version the amendm Similarly for other tai I believe the current amendments. (P802.3da is also in The label in the sugg SuggestedRemedy In the editorial instru Insert a new row in T 2022, and IEEE 802 follows (some uncha Change other instruc	bles in existing clauses (45 and version of table 45-9 is in 802.3 flight but I assume P802.3dk is gested remedy is based on the ction before Table 45-9, change 'able 45–9 (as modified by IEE 3df-2024) after the row for "100 nged rows not shown):" ctions in clause 45 and clause 8	editorial instruct d 80). 3df-2024. Other planned to be o label in 802.3df e the text to: E Std 802.3db-2 DGBASE-LR4, 1	tables may be in different completed first) 2022, IEEE Std 802.3ck-	Comment Includ Suggested Delete Response REJE See c C/ 45 Dawe, Pie	es an unchanged I <i>Remedy</i> a unchanged row	IVN So Comment Status I row when the editing Response Status (P14	instructions say it do	bucket_EZ(taken out) besn't.
Table 45-9 has beer version the amendm Similarly for other ta I believe the current amendments. (P802.3da is also in The label in the sugg SuggestedRemedy In the editorial instru Insert a new row in T 2022, and IEEE 802 follows (some uncha Change other instruct	amended multiple times. The ent is based on. bles in existing clauses (45 and version of table 45-9 is in 802.3 flight but I assume P802.3dk is gested remedy is based on the ction before Table 45-9, change 'able 45–9 (as modified by IEE 3df-2024) after the row for "100 nged rows not shown):" ctions in clause 45 and clause 8	d 80). 3df-2024. Other planned to be o label in 802.3df e the text to: E Std 802.3db-2 DGBASE-LR4, 1	ion should state which tables may be in different completed first)	Includ Suggester Delete Response REJE See c C/ 45 Dawe, Pie	es an unchanged <i>Remedy</i> a unchanged row CT. comment #136.	row when the editing Response Status	instructions say it do	- , ,
amendments. (P802.3da is also in The label in the sugg SuggestedRemedy In the editorial instru Insert a new row in T 2022, and IEEE 802 follows (some uncha Change other instruc	flight but I assume P802.3dk is jested remedy is based on the ction before Table 45-9, chang Table 45–9 (as modified by IEE 3df-2024) after the row for "100 nged rows not shown):" ctions in clause 45 and clause 8	planned to be o label in 802.3df e the text to: E Std 802.3db-2 DGBASE-LR4, 1	completed first) 2022, IEEE Std 802.3ck-	Response REJE See c C/ 45 Dawe, Pie	CT. omment #136.			
In the editorial instru Insert a new row in 7 2022, and IEEE 802 follows (some uncha Change other instruc	able 45–9 (as modified by IEE 3df-2024) after the row for "100 nged rows not shown):" tions in clause 45 and clause 8	E Std 802.3db-2)GBASE-LR4, 1		Dawe, Pie	SC 45.2.1.8	P 14	15	
Insert a new row in 1 2022, and IEEE 802 follows (some uncha Change other instruc	able 45–9 (as modified by IEE 3df-2024) after the row for "100 nged rows not shown):" tions in clause 45 and clause 8	E Std 802.3db-2)GBASE-LR4, 1		,			L0	# 143
2022, and IEEE 802 follows (some uncha Change other instruc	3df-2024) after the row for "100 nged rows not shown):" tions in clause 45 and clause 8)GBASE-LR4, 1		,	rs	Nvidia		
_			e.		at the reviewers ca	Comment Status		<i>bucket_EZ(taken out)</i> d in the correct place
Response ACCEPT IN PRINCI	Response Status C			Suggested Please		efore and one after the	e new material	
	d remedy with editorial license.			Response		Response Status	С	
C/ 45 SC 45.2.1.	7.4 P13	L 20	# 140	ACCE See c	PT. omment #136.			
Dawe, Piers	Nvidia			C/ 45	SC 45.2.1.8.1	P13	L 48	# 142
Comment Type E	Comment Status A		bucket_EZ(taken out)	Dawe, Pie	rs	Nvidia		
SuggestedRemedy	s can confirm that the new mate		in the correct place	<i>Comment</i> Table		Comment Status	A	bucket_EZ
	v before and one after the new	material		Suggested	Remedy			
Response ACCEPT.	Response Status C			Delete	e "45.2.1.8.1 PMD	transmit disable 14 (1	1.9.15)"	
See comment #136.				Response		Response Status	C	
C/ 45 SC 45.2.1.	7.5 <i>P</i> 13	L38	# 141	ACCE	РТ.			
Dawe, Piers	Nvidia							
Comment Type E So that the reviewer	Comment Status A s can confirm that the new mate	erial is inserted	<i>bucket_EZ(taken out)</i> in the correct place					
SuggestedRemedy								
	v before and one after the new	material						
Response	Response Status C							
ACCEPT. See comment #136.								

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 45.2.1.8.1

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C/ 45	SC 45.2.1.8.1	P 14	L 7	# 226	CI 45	SC 45.2.1.2	7b P14	L13	# 227
Vienckov	vski, Natalie	IVN Solutions	LLC		Wienckow	vski, Natalie	IVN Solut	tions LLC	
Comment	Type E	Comment Status R		bucket_EZ(taken out)	Comment		Comment Status A		bucket_EZ
	Ū	row when the editing instruc	ions say it doe	esn't.	The C 2021.		from P802.3-2022 need to	be used, not the	numbers from P802.3cp-
00	<i>dRemedy</i> e unchanged row				Suggeste	dRemedy			
	0	Desmana Status			Chan	ge 45.2.1.27b to	45.2.1.33 and reorder to p	out the clauses ir	the correct order.
Response REJE See o		Response Status C			Response ACCE		Response Status C		
CI 45	SC 45.2.1.27b	P 14	L 13	# 97					
Slavick, J	eff	Broadcom			CI 45	SC 45.2.1.2	7b P14	L 13	# 144
Comment		Comment Status A		bucket EZ	Dawe, Pie	ers	Nvidia		
Std 8	02.3-2022 BiDi PM	A/PMD extended ability 2 is	clause 45.2.1.		Comment Wron	t <i>Type</i> E g subclause nun	Comment Status A		bucket_EZ(quick review)
Fix th	<i>dRemedy</i> e Clause numberin priately.	g to align with base standar	d and update e	editing instructions	<i>Suggeste</i> Chan	,	45.2.1.33 and move this a	and its subclause	s after 45.2.1.28.
	e EPT IN PRINCIPLE comment #144.	Response Status C				e EPT IN PRINCIP comment #124.	Response Status C LE.		
C/ 45	SC 45.2.1.27b	P 14	L13	# 123	C/ 45	SC 45.2.1.2	7b <i>P</i> 14	L15	# 228
Huber, Tł	nomas	Nokia			Wienckow	vski, Natalie	IVN Solut	tions LLC	
Comment	Type E	Comment Status A		bucket_EZ	Comment	Type E	Comment Status A		bucket_EZ
	lause number for E number is 45-37.	iDi PMA/PMD extended abi	lity 2 (register	1.35) is 45.2.1.33. The	The T 2021.		om P802.3-2022 need to b	be used, not the r	numbers from P802.3cp-
Suggeste	dRemedy				Suggeste	dRemedy			
		per from 45.2.1.27b to 45.2.			Chan	ge Table 45-31b	to Table 45-37, also on lir	ne 19	
		Table 45-37 above the row for own):", and change the table			Response	9	Response Status C		
Response	•	, .		+3-310 (0 40-37.	ACCE	EPT.			
•	, EPT IN PRINCIPLE	Response Status C							
	comment #144.								

C/ 45 SC 45.2.1.27b

C/ 45	SC 45.2.1.27b	P 14	L 39	# 145	C/ 45	SC 45.2.1.2	7b.7	P 14	L 43	# 115
Dawe, Pie	rs	Nvidia			Zimmerma	an, George		ADI,APLgp,0	Cisco,Marvell,On	Semi,Sony,SenTekse
	It the reviewers ca	Comment Status A n confirm that the new mate	erial is inserted in	<i>bucket_EZ(taken out)</i> the correct place	Comment Insert instruc	editorial instruct		ent Status A hout underscores	(those are for ins	<i>bucket_E</i> serts on a "Change"
Suggested		ter the new material			Suggested	dRemedy				
						•	in 45.2.1.27	b.7 through 45.2.	.1.27b.12 (includi	ng on paragraph text).
Response ACCE See co		Response Status C			Response ACCE		Respon	se Status C		
CI 45	SC 45.2.1.27b	P14	L 44	# 98	C/ 45	SC 45.2.1.2	7b.7	P 14	L 45	# 230
Slavick, Je	eff	Broadcom			Wienckow	/ski, Natalie		IVN Solution	is LLC	
Comment	Type ER	Comment Status A		bucket_EZ	Comment	Type E	Comme	ent Status A		bucket E
that ar		oits are done from highest n umbered bits should be inse			2021.		from P802.3	-2022 need to be	e used, not the nu	mbers from P802.3cp-
Suggested	lRemedv				Suggested	,	4- 45 0 4 00			
					Chang	ge 45.2.1.27b.7	10 45.2.1.33	s.a		
Chang	e editing instruction	on to insert the new clauses	before 45.2.1.3	3.1" (after correcting to	-		_	_		
	ge editing instructionstandard clause nu	on to insert the new clauses imbers)	s "before 45.2.1.3	3.1" (after correcting to	Response		Respon	se Status C		
base s Response	standard clause nu	imbers) <i>Response Status</i> C	before 45.2.1.3	3.1" (after correcting to	ACCE		Respon	se Status C		
base s Response ACCE	etandard clause nu	imbers) <i>Response Status</i> C		3.1" (after correcting to	ACCE	PT.	,	se Status C	L46	# [124
base s Response ACCE Impler	etandard clause nu	Imbers) Response Status C medy with editorial license.		3.1" (after correcting to	ACCE See co	EPT. omment #144. SC 45.2.1.2	,		L 46	# 124
base s Response ACCE Impler	etandard clause nu PT IN PRINCIPLE ment suggested re SC 45.2.1.27b	Imbers) <i>Response Status</i> C in medy with editorial license. .7 <i>P</i> 14	L 43	· ·	ACCE See co C/ 45	PT. omment #144. SC 45.2.1.2 omas	7b.7	P14	L46	# 124 bucket_EZ(quick review
base s Response ACCE Impler Cl 45 Wienckow	T IN PRINCIPLE PT IN PRINCIPLE nent suggested re SC 45.2.1.27b rski, Natalie	Imbers) Response Status C medy with editorial license.	L 43	· ·	CI 45 Huber, Th Comment	PT. omment #144. SC 45.2.1.2 omas <i>Type</i> E ew clauses relat	7 b.7 <i>Comm</i> ed to the ne	P 14 Nokia ent Status A ew bits in table 45-	-37 need to be in	<i>bucket_EZ(quick revier</i> serted in 45.2.1.33
base s Response ACCE Impler Cl 45 Wienckow Comment The C 2021.	T IN PRINCIPLE nent suggested re SC 45.2.1.27b ski, Natalie <i>Type</i> E lause numbers fro Also, the higher n	Imbers) Response Status C medy with editorial license. 7 P14 IVN Solution: <i>Comment Status</i> A m P802.3-2022 need to be foumber bits are defined before	L 43 s LLC used, not the nu	# 229 <i>bucket_EZ</i> mbers from P802.3cp-	C/ 45 Huber, Th Comment The nurrather 45.2.1	EPT. omment #144. SC 45.2.1.2 oomas <i>Type</i> E ew clauses relat than in 45.2.1.2 .33.1 concerns I	7b.7 Comme ed to the ne 7b. Since th bit 5, 45.2.1	P 14 Nokia ent Status A ew bits in table 45-	-37 need to be in subclauses go froi t 4, etc.), for cons	<i>bucket_EZ(quick review</i> serted in 45.2.1.33 m bit 5 to bit 0 (i.e., sistency, the new
base s Response ACCE Impler Cl 45 Wienckow Comment The C 2021. definit	TIN PRINCIPLE nent suggested re SC 45.2.1.27b ski, Natalie <i>Type</i> E lause numbers fro Also, the higher n ions go before the	Imbers) Response Status C medy with editorial license. 7 P14 IVN Solution: <i>Comment Status</i> A m P802.3-2022 need to be foumber bits are defined before	L 43 s LLC used, not the nu	# 229 <i>bucket_EZ</i> mbers from P802.3cp-	C/ 45 Huber, Th Comment The nurrather 45.2.1	EPT. omment #144. SC 45.2.1.2 omas <i>Type</i> E ew clauses relat than in 45.2.1.2 .33.1 concerns l auses be inserted	7b.7 Comme ed to the ne 7b. Since th bit 5, 45.2.1	P14 Nokia ent Status A ew bits in table 45- ne current set of s .33.2 concerns bi	-37 need to be in subclauses go froi t 4, etc.), for cons	<i>bucket_EZ(quick review</i> serted in 45.2.1.33 m bit 5 to bit 0 (i.e., sistency, the new
base s Response ACCE Impler Cl 45 Wienckow Comment The C 2021. definiti Suggested Chang	Standard clause nu PT IN PRINCIPLE ment suggested re SC 45.2.1.27b rski, Natalie <i>Type</i> E lause numbers fro Also, the higher n ions go before the <i>IRemedy</i> ge: 45.2.1.27b.7-45	Imbers) Response Status C medy with editorial license. 7 P14 IVN Solution: <i>Comment Status</i> A m P802.3-2022 need to be foumber bits are defined before	L 43 s LLC used, not the nur ore the lower nur	# 229 <i>bucket_EZ</i> mbers from P802.3cp-	C/ 45 Huber, Th Comment The ne rather 45.2.1 subcla Suggested Chang before 45.2.1	EPT. SC 45.2.1.2 SC 45.2.1.2 omas Type E ew clauses relat than in 45.2.1.2 .33.1 concerns I auses be inserted dRemedy ge the editing inse 45.2.1.33.1". C .27b.7> 45.2.1	7b.7 Comme ed to the ne 7b. Since th bit 5, 45.2.1 d before the struction to s Change the s 1.33.a	P14 Nokia ent Status A ew bits in table 45- ne current set of s .33.2 concerns bi e existing subclaus	-37 need to be in ubclauses go fron t 4, etc.), for cons ses rather than a ubclauses 45.2.1.	<i>bucket_EZ(quick revie</i> serted in 45.2.1.33 m bit 5 to bit 0 (i.e., sistency, the new
base s Response ACCE Impler Cl 45 Wienckow Comment The C 2021. definiti Suggested Chang To: 45 Response ACCE	T IN PRINCIPLE nent suggested re SC 45.2.1.27b rski, Natalie Type E lause numbers fro Also, the higher n ions go before the <i>IRemedy</i> ge: 45.2.1.27b.7-45 5.2.1.33.a-45.2.1.3	Imbers) Response Status C medy with editorial license. 7 P14 IVN Solution: Comment Status A m P802.3-2022 need to be number bits are defined before existing ones. 5.2.1.27b.12 after 45.2.1.27	L 43 s LLC used, not the nur ore the lower nur	# 229 <i>bucket_EZ</i> mbers from P802.3cp-	C/ 45 Huber, Th Comment The ner 45.2.1 subcla Suggested Chang before 45.2.1 45.2.1 45.2.1 45.2.1	SC 45.2.1.2 omment #144. SC 45.2.1.2 omas <i>Type</i> E ew clauses relat than in 45.2.1.2 .33.1 concerns I auses be inserter <i>dRemedy</i> ge the editing ins e 45.2.1.33.1". C	7b.7 Comme ed to the ne the bit 5, 45.2.1. d before the struction to s change the s 1.33.a 1.33.b 1.33.c 1.33.d 1.33.c 1.33.d 1.33.c	P14 Nokia ent Status A ew bits in table 45- ne current set of s .33.2 concerns bi e existing subclaus say "Insert new su	-37 need to be in ubclauses go fron t 4, etc.), for cons ses rather than a ubclauses 45.2.1.	<i>bucket_EZ(quick revie</i> serted in 45.2.1.33 m bit 5 to bit 0 (i.e., sistency, the new fter them.
base s Response ACCE Impler Cl 45 Wienckow Comment The C 2021. definiti Suggested Chang To: 45 Response ACCE	T IN PRINCIPLE nent suggested re SC 45.2.1.27b rski, Natalie Type E lause numbers fro Also, the higher n ions go before the <i>IRemedy</i> ge: 45.2.1.27b.7-45 5.2.1.33.a-45.2.1.3	Imbers) Response Status C medy with editorial license. 7 P14 IVN Solution: <i>Comment Status</i> A m P802.3-2022 need to be number bits are defined before existing ones. 5.2.1.27b.12 after 45.2.1.27 3.1 before 45.2.1.33.1	L 43 s LLC used, not the nur ore the lower nur	# 229 <i>bucket_EZ</i> mbers from P802.3cp-	C/ 45 Huber, Th Comment The ner 45.2.1 subcla Suggested Chang before 45.2.1 45.2.1 45.2.1 45.2.1	PT. omment #144. SC 45.2.1.2 omas Type E ew clauses relat than in 45.2.1.2 .33.1 concerns I auses be inserted dRemedy ge the editing inse 45.2.1.33.1". C .27b.7> 45.2. .27b.8> 45.2. .27b.10> 45.2 .27b.10> 45.2 .27b.11> 45.2 .27b.12> 45.2	7b.7 Comme ed to the ne 7b. Since the bit 5, 45.2.1 d before the struction to s Change the s 1.33.a 1.33.b 1.33.c 1.33.d 1.33.e 2.1.33.f	P14 Nokia ent Status A ew bits in table 45- ne current set of s .33.2 concerns bi e existing subclaus say "Insert new su	-37 need to be in ubclauses go fron t 4, etc.), for cons ses rather than a ubclauses 45.2.1.	bucket_EZ(quick review serted in 45.2.1.33 m bit 5 to bit 0 (i.e., sistency, the new fter them.

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 SC 45.2.1.27b.7 Page 9 of 53 2025/7/8 10:02:05

CI 45	SC 45.2.1.27b	.8	P 15	L1	# 231	C/ 45	SC 45.2.1.2	7b.11	P 15	L19	# 266
Wienckow	vski, Natalie		IVN Solutions	S LLC		Wienckow	vski, Natalie		IVN Solution	s LLC	
Comment	Туре Е	Comment	t Status A		bucket_EZ	Comment	Туре Е	Comm	ent Status A		bucket_E2
The C 2021.	lause numbers fro	om P802.3-20	022 need to be i	used, not the nu	mbers from P802.3cp-	The C 2021.	lause numbers	from P802.3	3-2022 need to be	used, not the nur	nbers from P802.3cp-
Suggested	dRemedy					Suggestee	dRemedy				
Chang	ge 45.2.1.27b.8 to	45.2.1.33.b				Chang	ge 45.2.1.27b.1	1 to 45.2.1.3	33.e		
Response ACCE		Response	Status C			Response ACCE		Respor	ose Status C		
C/ 45	SC 45.2.1.27b	.9	P 15	L 8	# 232	C/ 45	SC 45.2.1.2	7b.12	P 15	L 25	# 267
Wienckow	vski, Natalie		IVN Solutions	S LLC		Wienckow	vski, Natalie		IVN Solution	s LLC	
The C 2021. Suggested	<i>dRemedy</i> ge 45.2.1.27b.9 tc		022 need to be i	used, not the nu	<i>bucket_EZ</i> mbers from P802.3cp-	2021. Suggested	lause numbers dRemedy ge 45.2.1.27b.1	from P802.3 2 to 45.2.1.3		used, not the nur	<i>bucket_E</i> 2 nbers from P802.3cp-
ACCE	PT.					ACCE	PT.				
Cl 45 Wienckow	SC 45.2.1.27b vski, Natalie	o.10	P 15 IVN Solutions	L 13 5 LLC	# 265						
Comment The C 2021.	lause numbers fro	Comment om P802.3-20		used, not the nu	<i>bucket_EZ</i> mbers from P802.3cp-						
Suggested Chang	dRemedy ge 45.2.1.27b.101	to 45.2.1.33.	d								
Response ACCE		Response	Status C								

C/ 45 SC 45.2.1.27b.12

CI 45	SC 45.2.1.28	P 15	L 31	# 146	Cl 45	SC 45.2	1.28	P15	L 44	# 148
Dawe, Piers	6	Nvidia			Dawe, Pie	rs		Nvidia		
Comment T	ype T	Comment Status A		quick review	Comment	Туре Е	Co	mment Status A		CL45_controlregiste
	t the 100GBASE SE-BR and 1000	-BR PMA/PMD types in 1.29	9 with PQX rathe	r than in 1.7 with	11x>	x x = Rese	ved			
SuggestedR					Suggested	-	Pasaryod	but see another comm	ont	
anyway, 45.2.1.6 bit defin	, the table is for 6 PMA/PMD con itions, values 1	10P/2B PMA/PMD control re 1.29) Table 45-30, PMA/PMI trol 2 register (Register 1.7) 1 1 1 x x x. ig bit 7 into use so there is a	D control 3 regist Table 45-7, PMA	er bit definitions, to /PMD control 2 register	Response ACCE		<i>Res</i> CIPLE.	sponse Status C		
Response	nat Suj is billigli	Response Status C	dequate space in		C/ 45	SC 45.2	1.28	P15	L 44	# 57
	T IN PRINCIPLE	,			Regev, Al	on		Keysight		
	ent suggested re	emedy with editorial license to	o check with rela	ted projects (802.3 db,	<i>Comment</i> Instea	• •		omment Status A x x x = Reserved", rep	lace it with "1 0	CL45_controlregiste 1 1 1 x = Reserved"
6 5 4 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 0 1 1 1 = 100GBA 1 1 0 = 100GBA 1 0 1 = 100GBA	SE-BR40-U PMA/PMD SE-BR40-D PMA/PMD SE-BR20-U PMA/PMD SE-BR20-D PMA/PMD			Response	d of deleting	Res	x = Reserved", replace sponse Status C	it with "1 0 1 1	1 x = Reserved"
1111(0 1 0 = 100GBA	SE-BR10-U PMA/PMD SE-BR10-D PMA/PMD				omment #14				
1111(0 0 1 = reserved				C/ 45	SC 45.2.	1.28	P15	L 44	# 80
C/ 45	SC 45.2.1.28	P 15	L 37	# 147	Simms, W		0	NVIDIA		CL 15 controlución
Dawe, Piers	6	Nvidia			Comment	• •		0 and 101111 are unde	fined	CL45_controlregiste
Comment T		Comment Status A		quick review		·			enned	
45.2.1.2	28 10P/2B PMA/	PMD control register (Regist	er 1.30)		Suggested	-				
SuggestedR	Remedy						U	alues reserved		
Should I commer		1.27 PMA/PMD control 3 rec	gister (Register 1	.29) - but see another	Response ACCE	PT IN PRIN		sponse Status C		
Response		Response Status C			See c	omment #14	7.			
	T IN PRINCIPLE nment #146.	Ξ.								

C/ 45 SC 45.2.1.28

C/ 45	SC 45.2.1.28	P 15	L 44	# 99	C/ 45	SC 45.2.1.28	P 15	L 51	# 150
Slavick, Je		Broadcom			Dawe, Pie		Nvidia		
Comment In Tabl	51	Comment Status A es for 101110 and 101111 are	no longer sp	CL45_controlregister ecified.	<i>Comment</i> There	<i>Type</i> E is no following ro	Comment Status A w	N	bucket_EZ(quick review)
S <i>uggested</i> Add in	-	rved to Table 45-30			S <i>uggested</i> Remo	d <i>Remedy</i> ve the row with th	ree dots		
	PT IN PRINCIPLE	Response Status C			Response ACCE	PT.	Response Status C	;	
C/ 45	SC 45.2.1.28	P 15	L 44	# 125	C/ 80	SC 80.1	P 16	L 2	# 151
Huber, Tho	omas	Nokia			Dawe, Pie	ers	Nvidia		
Comment	Туре Т	Comment Status A		CL45_controlregister	<i>Comment</i> 80.1 (a	51	Comment Status A k) needs additions	N	quick review
Suggested	Remedy				Suggested Per co	<i>dRemedy</i> omment			
	a line "101111x"	= Reserved" above the line for	or BR40-U.		Response		Response Status	;	
	PT IN PRINCIPLE omment #147.	Response Status C			Add di i) The	PT IN PRINCIPL escription in Clau MDIs as specifie	se 80.1 as: d in:		
C/ 45 Dawe, Pier	SC 45.2.1.28	P 15 Nvidia	L 51	# 149	— Cla	use 89 for 40GB/ use 140 for 100G use 154 for 100G	BASE-DR, 100GBASE	FR1, and 100GB	ASE-LR1
Comment	Туре Е	Comment Status A n confirm that the new materi	al is inserted i	<i>bucket_EZ(taken out)</i> in the correct place		use 168 for 100G single lane data p			
Suggested	Remedv				50G B	BiDi is missing from	m Clause 131.1, mainte	enance request.	
		w after the new material			Impler	ment response wi	th editorial license.		
Response		Response Status C			C/ 80	SC 80.1.3	P16	L 2	# 152
ACCE					Dawe, Pie		Nvidia		
See co	omment #136.				Comment	Туре Е	Comment Status A	Υ.	quick review
					Suggested Per co	d <i>Remedy</i> omment			
						PT IN PRINCIPL	Response Status C E.	;	
COMMENT	T STATUS: D/disp			d T/technical E/editorial G/g NSE STATUS: O/open W/wri		U/unsatisfied Z/		C/ 80 SC 80.1.3	Page 12 of 53 2025/7/8 10:02:(

C/ 80	SC 80.2.3	P16	L 2	# 153	C/ 80	SC	80.2.5	P 16	L 2	# 154
Dawe, Pie		Nvidia			Dawe, Pier	rs		Nvidia		
<i>Comment</i> Table	51	Comment Status A nd 100 Gb/s PHYs		bucket(quick review)	Comment 7 80.2.3	51	E odified by	Comment Status A 3ck) and 80.2.5 need addition	s	bucket(quick review)
	80-5, Nomenclat additions	ture and clause correlation (10	00GBASE-P op	tical)	Suggested Per co					
Suggested	dRemedy				Response			Response Status C		
Per co	omment						PRINCIPL			
Copy	PT IN PRINCIPL	Response Status C .E. in Clause 157 to Clause 80 (1 ith editorial license.	able 80-1 and	Table 80-5).	Chang A forwa 100GB CR4, 1	e the f ard err ASE-0 100GB	irst paragi or correct CR10 PHY ASE-KR1	lescriptions in Clause 80.2.3 a aph in 80.2.3 (as modified by on sublayer is optional for 400 's and mandatory for 100GBA 100GBASE-KR2, 100GBASE	IEEE Std 802 GBASE-KR4, 4 SE-CR1, 1000 E-KR4, 100GB	40GBASE [´] -CR4, and GBASE-CR2, 100GBASE- ASE-KP4, 100GBASE-
CI 80	SC 80.2.5	P16	L 2	# 155				100GBASE-SR2, 100GBASE 100GBASE-ZR PHYs, and 10		
Dawe, Pie	ers	Nvidia			be plac	ced in	between t	he PCS and PMA sublayers o	r between two	PMA sublayers.
and Table	80-8, Summary	Comment Status A of Skew constraints of Skew Variation constraints		bucket(quick review)	The 40 corresp Clause)GBAS pondin e 95, C	SE-R, 1000 Ig media a	ragraph of 80.2.5 (as modified GBASE-R, 100GBASE-P, and re specified in Clause 84 throu through Clause 138, Clause 1 e 168.	100GBASE-Z ugh Clause 89	PMDs and their , Clause 92 through
Suggested	dRemedy				C/ 80	SC	80.4	P16	L 6	# 156
Per co	omment				Dawe, Pier	rs		Nvidia		
Response		Response Status C			Comment	Туре	Е	Comment Status A		bucket_EZ
	PT IN PRINCIPL	.E. Table 80-8 (as modified by 80	12 3 ck and 800	2 db)	This ta	able is o	ordered by	/ MAC rate - reach - length, so	o these rows d	on't go at the end
		Table 80-9 (as modified by 80			Suggested	Reme	dy			
					80-7 (a	as mod		ew rows at the end of Table 80 EE Std 802.3db-2022) betwee		
					Response			Response Status C		

ACCEPT IN PRINCIPLE.

Implemented suggested remedy with editorial license.

CI 80 SC 80.4

CI 80	SC 80.4	P 16	L12	# 157	CI 80	SC	80.4	P 16	L17	# 159
Dawe, Piers	;	Nvidia			Dawe, Pie	ers		Nvidia		
Comment Ty	vpe E	Comment Status A		bucket(taken out)	Comment	t Type	Е	Comment Status A		bucket_EZ(quick review
So that t	the reviewers	can confirm that the new mater	rial is inserted in	the correct place			,	d this amendment makes it lon	ger, so it shoul	d make the
SuggestedR	Remedy						al change			
Please s	show one row	before and one after the new n	naterial		Suggeste		,		_	
Response		Response Status C			•		e into two	, one for 40G and one for 1000	Э.	
ACCEP	т.				Response	Ð		Response Status C		
	nment #136.						PRINCIP	LE. remedy with editorial license.		
C/ 80	SC 80.4	P 16	L 13	# 158	C/ 80	SC	80.7	P16	L 20	# 160
Dawe, Piers		Nvidia			Dawe, Pie	ers		Nvidia		
Comment Ty		Comment Status A		bucket_EZ	Comment		Е	Comment Status A		consistency_c
	h the existing	entries						new PMD clause. Insert:)
SuggestedR	,				Suggeste	dRomo	dv			
Insert "Ir	ncludes 2 m of	f fiber." 3 times			00			raph of 80.7 as follows:		
Response		Response Status C			80.7 I	Protoco	l impleme	entation conformance statemen		
	T IN PRINCIP nment #101.	LE.			The s	upplier	of a proto	praph of 80.7 (as modified by IE pool implementation that is clair	med to conform	to any part of IEEE Std
CI 80	SC 80.4	P 16	L13	# 101	Claus	se 95, C	lause 13	use 73, Clause 74, Clause 81 t 5 through Clause 138, Clause 1	140, Člause 15	2 through Clause 154,
Slavick, Jeff	F	Broadcom						e 161 through Clause 163, and eting a protocol implementation		
Comment Ty	pe TR	Comment Status A		bucket_EZ	profo		by comple		comornance s	
The othe	er optical PHY	s in this table note that the dela	ay time includes	2m of fiber.	Response	Э		Response Status C		
SuggestedR	Remedy				ACCE	EPT IN	PRINCIP	LE.		
Add "Inc	cludes 2m of fi	ber." before the See 168.3.1			Imple	ment su	uggested	remedy with editorial license.		
Response		Response Status C								
ACCEP	Т.									

CI 80 SC 80.7

C/ 91 SC 91.5.2.7 P16	L 22	# 161		C/ 135	SC 135.5	.7	P 16	L 30	# 162
Dawe, Piers Nvidia				Dawe, Pier	S		Nvidia		
Comment Type E Comment Status A Missing material			FEC	Comment 7 Should			Comment Status R ed as an option?		bucket(quick review
uggestedRemedy				Suggested	Remedy				
Bring in 91.5.2.7, 91.5.3.3, 91.5.3.3.1, 91.6.3, 91.7.3, 9 and make appropriate changes	91.7.4.1, 91.7.4	.2 (as modified by	v 3ck)		0		ng (135.5.7) as an option to experience.	. This could be	e controlled by the
Response Response Status C				Response		R	Response Status C		
ACCEPT IN PRINCIPLE. See comment #68 and #69. Change 91.6.3 (as modified by IEEE Std 802.3ck-2022					isensus to m		change. on this topic in the next n	neeting.	
to one, the alignment marker mapping function substitu markers corresponding to PCS lanes 17, 18, and 19 w				C/ 157	SC 1.3		P18	L 1	# 220
marker corresponding to PCS lane 16 (see 91.5.2.6). \	When this varia	able is set to zero,		Effenberge	r, Frank		Futurewei Te	chnologies	
alignment markers corresponding to PCS lanes 17, 18 unmodified. The default value of the variable is one wh				Comment 1	Туре Е	(Comment Status A	-	buck
100GBASE-CR4, 100GBASE-KR4, 100GBASE-KP4, a variable is set to zero for the 100GBASE-CR2, 100GB			157-1(a) is u up in a weir		ate in how it breaks over	the pages, and	I then Table 157-2 gets		
100GBASE-SR2, 100GBASE-SR1, 100GBASE-DR, 10 LR1, 100GBASE-CR1, 100GBASE-KR1, 100GBASE-I				Suggested	Remedy				
100GBASE-BR40 PMDs PMDs. This variable is mapp	ed to the bit de	fined in 45.2.1.11	6	Try to s	squeeze all f	our spee	eds onto a single figure.		
(1.200.3).				Response		F	Response Status C		
In 91.7.3: Add 100GBASE-BR10, 100GBASE-BR20, and 100GB			1 for		PT IN PRING	IPLE.			
item KP4 and FDDP in the table (as modified by IEEE	Std 802.3ck-20	022).		C/ 157	SC 157		P17	L 1	# 116
In 91.7.4.1:				Zimmerma	n, George		ADI,APLgp,C	isco,Marvell,O	nSemi,Sony,SenTekse
Add 100GBASE-BR10, 100GBASE-BR20, and 100GB item TF11 in the table (as modified by IEEE Std 802.3)		er 100GBASE-KR	1 for	Comment 7	Туре Е	(Comment Status A		bucket_EZ(quick reviev
In 91.7.4.2: Add 100GBASE-BR10, 100GBASE-BR20, and 100GB	BASE-BR40 aft		1 for	here, m	narked with	change'	on for this clause. As the editing marks (which is r as shown:" may be used	nore than you r	need), it seems "Change
item RF4, RF6, and FR12 in the table (as modified by	IEEE Std 802.3	3ck-2022).		Suggested	Remedy				
Implement response with editorial license.				Insert e	editing instru	ction pri	or to header, "Change tit	le and text of C	lause 157 as shown:"
· ·				Response		R	Response Status C		
					PT IN PRINC				

C/ 157 SC 157

C/ 157	SC 157	P17	L1	# 126	C/ 157	SC 157.1	P17	L 1	# 102
Huber, Tho	omas	Nokia			Slavick, Je	ff	Broadcom		
Comment T	Гуре Е	Comment Status A		bucket_EZ	Comment 7	Type TR	Comment Status A		bucket_E
This cla	ause is missing	editing instructions			There i	is no editing ir	nstruction for Clause 157 which i	s an existing ba	ase standard clause.
SuggestedF	Remedy				Suggested	Remedy			
"Chang Add an	e clauses 157 a editing instruct	on at the top of the page: and 157.1 as shown:" on below clause 157.2: "Cha		.2.1 as shown"	157 an		of text, Figures and Tables to on e Clause. Inserting appropriate		
		ough 157-5, as they are not b ion: "Insert Table 157-6 below			Response		Response Status C		
Add an Delete o	editing instruct clauses 157.2.6	ion: "Change clauses 157.2.2 and 157.2.7 since they are n	through 157.2. not being modifie	ed.		PT IN PRINCI nent suggeste	PLE. d remedy with editorial license.		
	editing instruct	ion: "Change clauses 157.3, 1	157.4, and 157.0	o as shown:"	C/ 157	SC 157.1.1	I P17	L 3	# 233
Response	PT IN PRINCIPL	Response Status C			Wienckows	ski, Natalie	IVN Solutions	LLC	
	mment #102.	.E.			Comment T	Туре Е	Comment Status A		bucket_E
	SC 157	D.(=		// [00	Missing	g editorial inst	ruction.		
C/ 157		P17	L1	# 30	Suggested	Remedy			
Ran, Adee		Cisco System	is, Inc.		Add ed	ditorial instruct	ion: Change the first and secon	d paragraphs o	of 157.1.1 as follows:
Comment T		Comment Status A		bucket_EZ	Delete	third paragrap	oh as it has no changes.		
		ction for clause 157. ndment includes the whole cla	ause with chanc	es. But instructions	Response		Response Status C		
should	be given for sp	ecific changes, per the IEEE \$	SA style manua	1.		PT IN PRINCI omment #102.	PLE.		
		tables and the addition of a n at are not changed at all (such			C/ 157	SC 157.1.2	2 P17	L 23	# 234
	not appear in th				Wienckows	ski, Natalie	IVN Solutions	LLC	
Previou	us amendments	can be used as references.			Comment T		Comment Status A		bucket_E
	Remedy					g editorial inst	ruction.		
SuggestedF		ns to each subclause that is c	hanged, as dor	ie in previous	Suggested Add ed	-	ion: Change 157.1.2 as follows:		
00									
Add edi		Response Status C			Response		Response Status 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/ 157 SC 157.1.2 Page 16 of 53 2025/7/8 10:02:05

C/ 157	SC 157.1.2	P 17	L 28	# 235	C/ 157	SC	157.1.2	P 17	L 30	# 64
Wienckow	ski, Natalie	IVN Solutions	LLC		Regev, Al	on		Keysight	bight c l7 L 30 b Systems, Inc. c c l7 L 51	
templa covere	ences to external ate: Any cross ref	Comment Status A points not properly indicated. erences that refer to clauses nent are highlighted in green.	, tables, equa	ations, or figures not	Suggested	3" shou dRemed	E I be "and & <i>ly</i> .3" to "and			bucket_EZ
Suggested	Remedy				Response			Response Status C		
Correc	ct all external refe	rences per instructions throug	ghout the doo	cument.	ACCE	PT.				
Response ACCE		Response Status C			<i>Cl</i> 157 Ran, Adee		157.1.2	P 17		# 31
C/ 157	SC 157.1.2	P 17	L 30	# 86	Comment		Е	Comment Status A	115, 1110.	bucket EZ
Mi, Guang		Huawei Techr					before 80			
	<i>Type</i> ER 1.1.2 (for 50 Gb/s) b/s)", missing ar	Comment Status A), 80.1.3 (for	-	bucket_EZ	Suggested Insert	"and"	ly			
Suggested	Remedy	50 Gb/s), and 80.1.3 (for			Response ACCE			Response Status C		
100 G					C/ 157	SC	157.1.3	P 17	L 51	# 236
Response		Response Status C			Wienckow	ski, Na	talie	IVN Solution	s LLC	
ACCE	PT.				Comment	Туре	Е	Comment Status A		bucket_EZ(taken out)
C/ 157	SC 157.1.2	P17	L 30	# 81			rial instruc oclause sh	tion. wuldn't be included, only the	e changes shou	ld be included.
Simms, W <i>Comment</i> missin		NVIDIA Comment Status A 1.3		bucket_EZ	showr	ditorial i ı):	nstruction	Change row "r" of Table 1		(unchanged rows not
Suggested		sistent with the one removed i	n front of 50	Ch/s	Response		elore the ta	able and unchanged table ro <i>Response Status</i> C	ows.	
Response ACCE		Response Status C	in none of 50		ACCE	PT IN F	PRINCIPLI	•		

C/ 157 SC 157.1.3 Page 17 of 53 2025/7/8 10:02:05

C/ 157 SC 1	157.1.3	P18	L1	# 127	C/ 157	SC 157.1.3	P 18	L35	# 239
luber, Thomas		Nokia			Wienckow	/ski, Natalie	IVN Solution	is LLC	
The architectur	ure is essentia ne 100G rate,	Comment Status A ally the same for all rates. it would be better to use Il rates.			Missir Suggested				bucket_E2
SuggestedRemedy	ly				Add e	ditorial instruction	n: Change the second parag	graph of 157.1.3	3 as follows:
CGMII". Chang PCS" (or mayb	nge the PCS t be just "rGBA	rting point. Change "CGI o "10GBASE-R, 25GBAS SE-R PCS", referencing EC sublayer, saying "con	SE-R, 50GBAS	E-R, or 100GBASE-R ire introducted in Table		PT IN PRINCIPL	Response Status C E. remedy with editorial license.		
PHY type". At t	the bottom, list	st all the various PMDs, o	or use a generi	c "rGBASE-BRx" label.	C/ 157	SC 157.1.3	P 18	L 35	# 238
		157-1 with the figure des		ommentUndo the and the reference to it in	Wienckow	/ski, Natalie	IVN Solution	is LLC	
		as a change in the draft			Comment	Туре Е	Comment Status A		bucket_EZ(quick review
esponse ACCEPT IN PF		esponse Status C				able should not be d be shown.	e broken up with a Figure in	the middle of it.	Only the new rows
		note on the FEC, merge dy with editorial license.	250, 500 anu	Toog together.	Suggested		a. Incast now rows at the an	d of Toblo 157 (
	157.1.3	P 18	L 1	# 237	rows r	not shown):	n: Insert new rows at the end s of the table which are not cl		z as follows (unchanged
C/ 157 SC 1 Vienckowski, Nata	157.1.3 talie	P18 IVN Solutions	-	# 237	rows r	not shown): e the first 18 rows			z as follows (unchanged
C/ 157 SC 1 Vienckowski, Nata Comment Type Missing editoria	157.1.3 talie E Crial instruction.	P18 IVN Solutions Comment Status A	-	# 237 bucket	rows r Delete <i>Response</i> ACCE	not shown): e the first 18 rows PT IN PRINCIPL	s of the table which are not c Response Status C	hanged.	z as follows (unchanged
/ 157 SC 1 /ienckowski, Nata <i>omment Type</i> Missing editoria The unchanged	157.1.3 talie E (rial instruction. ed figure shou	P18 IVN Solutions Comment Status A	-		rows r Delete <i>Response</i> ACCE	not shown): e the first 18 rows PT IN PRINCIPL	s of the table which are not cl <i>Response Status</i> C .E.	hanged.	2 as follows (unchanged # 4
 I 157 SC 1 Vienckowski, Nata vomment Type Missing editoria The unchanged uggestedRemedy 	157.1.3 talie E (rial instruction. ed figure shou <i>ly</i>	P18 IVN Solutions Comment Status A Id not be included.	LLC		rows r Delete <i>Response</i> ACCE Impler	not shown): e the first 18 rows P PT IN PRINCIPL ment suggested r SC 157.1.3	s of the table which are not cl Response Status C E. remedy with editorial license. P18	hanged.	
Cl 157 SC 1 Vienckowski, Nata Comment Type Missing editoria The unchanged SuggestedRemedy	157.1.3 talie E (rial instruction. ed figure shou <i>ly</i> nstruction: Cł	P18 IVN Solutions Comment Status A	LLC		rows r Delete Response ACCE Impler Cl 157	not shown): e the first 18 rows PT IN PRINCIPL ment suggested r SC 157.1.3 , Stephan	s of the table which are not cl Response Status C E. remedy with editorial license. P18	hanged.	# [4
 J 157 SC 1 Vienckowski, Nata Comment Type Missing editoria The unchanged CuggestedRemedy Add editorial in Delete the figur Response 	157.1.3 talie E (rial instruction. ed figure shou ly nstruction: Ch ure. R	P18 IVN Solutions Comment Status A Id not be included.	LLC		rows r Delete <i>Response</i> ACCE Impler <i>Cl</i> 157 Schreiner <i>Comment</i> Table	not shown): e the first 18 rows PT IN PRINCIPL ment suggested r SC 157.1.3 , Stephan <i>Type</i> E 157-2 - Multi-Gig	s of the table which are not cl <i>Response Status</i> C .E. remedy with editorial license. <i>P</i> 18 Rosenberge	hanged. <i>L</i> 42 r Hochfrequenz nterrupted by Fi	# [4
Cl 157 SC 1 Nienckowski, Nata Comment Type Missing editoria The unchanged SuggestedRemedy Add editorial in	157.1.3 talie E (rial instruction. ed figure shou /y nstruction: Cf ure. R PRINCIPLE.	P18 IVN Solutions Comment Status A Id not be included. hange title of Figure 157-	LLC		rows r Delete Response ACCE Impler Cl 157 Schreiner Table Archite Suggested Reord	not shown): a the first 18 rows PT IN PRINCIPL ment suggested r SC 157.1.3 , Stephan Type E 157-2 - Multi-Gig ectural positionin dRemedy ler from: "Figure	s of the table which are not cl Response Status C .E. remedy with editorial license. P18 Rosenberge Comment Status A gabit Ethernet BiDi PHYs is ir	hanged. <i>L</i> 42 r Hochfrequenz nterrupted by Fi PHYs.	# 4 ttechnik GmbH & Co. KG <i>bucke</i> igure 157-1a -

C/ 157 SC 157.1.3

C/ 157 SC 157.1.3	P 19	L1	# 240	C/ 157	SC 157.2	P 21	L15	# 1
Wienckowski. Natalie	IVN Solutions		# 240	D'Ambrosia				,,,
,		LLC	h t t		, -		S. Subsidiary of	
Comment Type E	Comment Status A		bucket	Comment		Comment Status A		bucket_EZ
Missing editorial instruct	lion.					Note A only applies to the one on various cells in the clause colu		enoted, when in actuality
SuggestedRemedy						157-4, 157-5, and 157-6		
Add editorial instruction:	Insert Figure 157-1a after F	igure 157-1 as	follows:	Suggested	Remedy			
Response	Response Status C			Move t	the current loca	ation of Note A in table to next t	o "Clause."	
ACCEPT IN PRINCIPLE	Ξ.			Response		Response Status C		
See comment #127.				ACCE	PT			
C/ 157 SC 157.1.4	P 20	L37	# 241					
Wienckowski, Natalie	IVN Solutions	LLC		C/ 157	SC 157.2	P 22	L 36	# 3
Comment Type E	Comment Status A		bucket EZ	D'Ambrosia	a, John	Futurewei, U.	S. Subsidiary of	fHuawei
Missing editorial instruct	tion.			Comment	Туре Е	Comment Status A		consistency_CL80
SuggestedRemedy						se 91 title is noted as "100GBA		
,	Change 157.1.4 as follows:			refers t	to "RS-FEC." F	Reference Table 80-3a from IEE	EE Std 802.3ck-	2022
	Ū.			Suggested	Remedy			
Response ACCEPT IN PRINCIPLE	Response Status C			Change	e "100GBASE	-R FEC" to "100GBASE-R RS-	FEC"	
	 medy with editorial license. 			Response		Response Status C		
	,	1.6.1		ACCE	PT.			
C/ 157 SC 157.1.4	P 22	L 31	# 163	C/ 157	SC 157.2.1	P 20	L 45	# 242
Dawe, Piers	Nvidia							# 242
Comment Type E	Comment Status A		AUI	Wienckows	,	IVN Solutions	LLC	
Add 100GAUI-1 C2C ar	id C2M			Comment		Comment Status A		bucket_EZ
SuggestedRemedy				Missing	g editorial instr	uction.		
Add 120F, 120G after 13	35G (2-lane PMA) and before	e 168 (PMD). C	ptional.	Suggested	Remedy			
Response	Response Status C			Add ed	ditorial instructi	on: Change title 157.2.1 as fo	llows:	
ACCEPT IN PRINCIPLE				Response		Response Status C		
See comment #21.					PT IN PRINCI			
				Implerr	nent suggested	d remedy with editorial license.		

C/ 157 SC 157.2.1 Page 19 of 53 2025/7/8 10:02:05

C/ 157 SC 157.2.1	P 20	L 48	# 243	C/ 157 SC 157.2.	1 P 22	L 26	# 245
Wienckowski, Natalie	IVN Solutions	LLC		Wienckowski, Natalie	IVN Solution	s LLC	
Comment Type E Missing editorial instruc	Comment Status A		bucket_EZ	Comment Type E Missing editorial inst	Comment Status A ruction.		bucket_EZ
SuggestedRemedy Add editorial instructior	n: Change the last sentence	of the first parag	graph of 157.2.1 as	SuggestedRemedy Add editorial instruct	tion: Insert Table 157-6 after T	able 157-5 as follo	ows:
follows: Move all text to before changes.	the tables. Delete the uncha	nged sentences	as they have no	Response ACCEPT IN PRINCI	Response Status C PLE. d remedy with editorial license.		
Response	Response Status C				•		
ACCEPT IN PRINCIPL	E. emedy with editorial license.			C/ 157 SC 157.2.		L 27	# 87
				Mi, Guangcan		nologies Co., Ltd	
C/ 157 SC 157.2.1	P 21	L 1	# 244	Comment Type TR	Comment Status A		AU
Wienckowski, Natalie	IVN Solutions	LLC		Table 157-6. The 10	0G bidi PMDs should also supp	oort 100G AUI-1 C	2M
Comment Type E Delete unchanged cont	Comment Status A tent.		bucket_EZ	SuggestedRemedy add two columns for	100G AUI-1 C2C(CL120F) and	100G AUI-1 C2N	1(120G) respectively.
SuggestedRemedy Delete Table 157-3. Ta	ble 157-4, Table 157-5.			Response ACCEPT IN PRINCI	Response Status C PLE.		
Response	Response Status C			See comment #21.			
ACCEPT.				C/ 157 SC 157.2.	1 P22	L 30	# 21
C/ 157 SC 157.2.1	P 21	L15	# 5	Lusted, Kent	Synopsys		
Schreiner, Stephan	Rosenberger	Hochfrequenzte	chnik GmbH & Co. KG	Comment Type T	Comment Status A		AUI
Comment Type E	Comment Status A	riconn equenzie	bucket EZ	The 100GAUI-1 C20	C and 100GAUI-1 C2M annexes	s should be refere	nced in Table 157-6.
51	tnote index on the Mandatory	"M" in line 2, co			00GAUI-1 C2C (Annex 120F) a	nd 100GAUI-1 C2	M (Annex 120G). Type
SuggestedRemedy				= optional			
Change the footnote in	dex position to the Line: "100	BASE-BR10-D	, column "EEE"	Response	Response Status C		
Response	Response Status C			ACCEPT IN PRINC	PLE. d remedy with editorial license.		
ACCEPT IN PRINCIPL See comment #1.	E.						

C/ 157 SC 157.2.1 Page 20 of 53 2025/7/8 10:02:05

	.1 P22	L 31	# 32	CI 157 SC 157.2.2	P 23	L 5	# 246
Ran, Adee	Cisco Syster	ns, Inc.		Wienckowski, Natalie	IVN Solutions	3 LLC	
Comment Type TR	Comment Status A		AUI	Comment Type E	Comment Status A		bucket_E2
	defined in 802.3ck (100GAUI-1 C HYs. They should be included in		e very relevant for the	Missing editorial instru	iction.		
SuggestedRemedy				SuggestedRemedy			
,	nnexes 120F and 120G, optional	l for all PHYs.			on: Change 157.2.2 as follows		
Response ACCEPT IN PRINC See comment #21.				Response ACCEPT IN PRINCIP Implement suggested	Response Status C LE. remedy with editorial license.		
		1.00	"	C/ 157 SC 157.2.3	P 23	L 12	# 247
157 SC 157.2		L 32	# 59	Wienckowski, Natalie	IVN Solutions	3 LLC	
Regev, Alon Comment Type E The clause number	Keysight Comment Status A rs in the column headers should	be links to the cla	<i>bucket_EZ</i>	Comment Type E Missing editorial instru	Comment Status A uction.		bucket_E
SuggestedRemedy				SuggestedRemedy			
	labels "81", "82", "91", "83", "83	A", 83B", "83D", "	83E", "135", "135D",		on: Change 157.2.3 as follows		
"135E", "135F", and	d "135G" into links				Response Status C		
"135Ē", "135F", and Response	d "135G" into links <i>Response Status</i> C			ACCEPT IN PRINCIP	'		
"135Ē", "135F", and	Response Status C			ACCEPT IN PRINCIP	, LE.	L19	# 248
"135Ē", "135F", and Response ACCEPT.	Response Status C y 802.3 editor.	L 4 1	# 66	ACCEPT IN PRINCIP	LE. remedy with editorial license.		# 248
"135Ë", "135F", and Response ACCEPT. This will be done by C 157 SC 157.2	Response Status C y 802.3 editor. 21		# <u>66</u>	ACCEPT IN PRINCIP Implement suggested Cl 157 SC 157.2.4	LE. remedy with editorial license. P23		# 248 bucket_E
"135Ë", "135F", and Response ACCEPT. This will be done by 7 157 SC 157.2 Aaki, Jeffery	Response Status C y 802.3 editor.		# <u>66</u>	ACCEPT IN PRINCIP Implement suggested Cl 157 SC 157.2.4 Wienckowski, Natalie	LE. remedy with editorial license. P23 IVN Solutions Comment Status A		
"135Ë", "135F", and Response ACCEPT. This will be done by Cl 157 SC 157.2 Maki, Jeffery Comment Type T	Response Status C y 802.3 editor. .1 P22 Juniper Netw			ACCEPT IN PRINCIP Implement suggested Cl 157 SC 157.2.4 Wienckowski, Natalie Comment Type E	LE. remedy with editorial license. P23 IVN Solutions Comment Status A		
"135Ë", "135F", and Response ACCEPT. This will be done by 7 157 SC 157.2 Aaki, Jeffery Comment Type T 100GAUI-1 C2C & SuggestedRemedy	Response Status C y 802.3 editor. .1 P22 Juniper Netw Comment Status A 100GAUI-1 C2M are missing.			ACCEPT IN PRINCIP Implement suggested Cl 157 SC 157.2.4 Wienckowski, Natalie Comment Type E Missing editorial instru SuggestedRemedy Add editorial instruction	LE. remedy with editorial license. P23 IVN Solutions Comment Status A	s LLC	bucket_E
"135Ë", "135F", and Response ACCEPT. This will be done by 7 157 SC 157.2 Aaki, Jeffery Comment Type T 100GAUI-1 C2C & RuggestedRemedy	Response Status C y 802.3 editor. 1 P22 Juniper Netw Comment Status A			ACCEPT IN PRINCIP Implement suggested Cl 157 SC 157.2.4 Wienckowski, Natalie Comment Type E Missing editorial instru SuggestedRemedy Add editorial instruction	LE. remedy with editorial license. P23 IVN Solutions <i>Comment Status</i> A uction.	s LLC	bucket_E

C/ 157 SC 157.2.4 Page 21 of 53 2025/7/8 10:02:05

C/ 157 SC 157.2.4	P23	L 20	# 164	C/ 157 SC 157.2.7	P 23	L 43	# 251
Dawe, Piers	Vidia	20	# 104	Wienckowski, Natalie	IVN Solutions		# 231
Comment Type E medium independent	Comment Status A		bucket_EZ	Comment Type E Unchanged subclause	Comment Status A		bucket_EZ
SuggestedRemedy medium-independent				SuggestedRemedy Delete 157.2.7			
Response ACCEPT.	Response Status C			Response ACCEPT IN PRINCIF See comment #102.	Response Status C LE.		
C/ 157 SC 157.2.5	P 23	L 34	# 249	C/ 157 SC 157.3	P 23	L51	# 252
Wienckowski, Natalie	IVN Solutions	3 LLC		Wienckowski, Natalie	IVN Solutions		11 202
Comment Type E Missing editorial instruct	Comment Status A		bucket	Comment Type E Missing editorial instru	Comment Status A		bucket_E2
SuggestedRemedy				-			
Add editorial instruction	: Change 157.2.5 as follows	5:		SuggestedRemedy	n. Incart noragraph at the an	d of 157.2 oo foll	
Response	Response Status C			Delete unchanged pa	on: Insert paragraph at the en ragraphs.	0 01 157.5 85 101	ows.
ACCEPT IN PRINCIPL	E. emedy with editorial license.			Response ACCEPT IN PRINCIF	Response Status C		
C/ 157 SC 157.2.6	P 23	L 39	# 250		remedy with editorial license.		
Wienckowski, Natalie	IVN Solutions	s LLC		C/ 157 SC 157.3	P 24	L 7	# 33
Comment Type E	Comment Status A		bucket_EZ	Ran, Adee	Cisco Systen	ns, Inc.	
Unchanged subclause				Comment Type E	Comment Status A	,	Bucket E
SuggestedRemedy				51	end of the last paragraph.		
Delete 157.2.6				SuggestedRemedy			
Response	Response Status C			Add a period.			
ACCEPT IN PRINCIPLI See comment #102.	E.			Response ACCEPT.	Response Status C		

C/ 157 SC 157.3

CI 157 SC 157.3	P 24	L 7	# 106	C/ 157	SC 157.4	P 24	L 10	# 253
Zimmerman, George	ADI,APLgp,C	isco,Marvell,C	DnSemi,Sony,SenTekse	Wienckow	ski, Natalie	IVN Solutions I	LC	
Comment Type E	Comment Status A		bucket_EZ	Comment	Туре Е	Comment Status A		bucket_E2
	rnal cross reference or else b	0	· · · · · · · · · · · · · · · · · · ·	Missin	g editorial instru	ction.		
to be made? - the exist	ing 80.3 does NOT reference	that it applies	s to 100GBASE-BRX PHYs	Suggestea	IRemedy			
SuggestedRemedy					ditorial instructio unchanged par	n: Insert paragraph at the end agraphs.	of 157.4 as t	follows:
Mark 80.3 as External application to 100GBA	(green) or bring it into the dra	ft with approp	riate changes to refernece	Response	0 1	Response Status C		
Response	Response Status C			ACCE	PT IN PRINCIP	_E. remedy with editorial license.		
ACCEPT. See comment #60.				C/ 157	SC 157.4	P 24	L 22	# 165
C/ 157 SC 157.3	P 24	L 7	# 60	Dawe, Pie	rs	Nvidia		
Regev, Alon	Keysight			Comment	Туре Т	Comment Status A		bucke
Comment Type E	Comment Status A		bucket_EZ(quick review)		that the normation that the normation the second seco	ve delay specs are in 168.3, an	id what is in	80.4 is sort of a
"80.3" should be a link				Suggested	lRemedy			
SuggestedRemedy				Chang	e "in 80.4" to "ir	168.3 (and see 80.4)"		
change "80.3" to a link	to "80.3"			Response		Response Status C		
Response ACCEPT.	Response Status C				PT IN PRINCIP 80.4 and 168.3	LE. 3 specifications are the same.		
This will be done by 80	2.3 editor.			C/ 157	SC 157.4	P 24	L 23	# 121
C/ 157 SC 157.3	P 24	L 23	# 61	Zimmerma	an, George	ADI,APLqp,Cis	co,Marvell,C	DnSemi,Sony,SenTekse
Regev, Alon	Keysight			Comment	-	Comment Status A	, ,	bucket EZ(quick review)
Comment Type E	Comment Status A		bucket_EZ	80.4 s	hould be an acti	ve cross reference.		_ ()
"80.4" should be a link				Suggested	lRemedv			
SuggestedRemedy				00	•	active cross reference		
change "80.4" to a link	to "80.4"			Response		Response Status C		
Response	Response Status C			ACCE				
ACCEPT. See comment #121.					ill be done by 80	02.3 editor.		

C/ 157 SC 157.4

		D		"		00.1			
C/ 157	SC 157.4	P 24	L 24	# 166	C/ 157	SC 157.6	P 24	L 47	# 255
Dawe, Pie		Nvidia				/ski, Natalie	IVN Solutions	LLC	
Comment Skew	<i>Type</i> E and Skew Variat	Comment Status A		bucket(quick review)	Comment Missir	<i>Type</i> E ng editorial instru	Comment Status A		bucket_EZ
Suggested	Remedy				Suggestee	dRemedy			
Add te	ext to refer to 168	3.3.2, and refer to 80.5					n: Change the first paragraph		lows:
Response		Response Status C					agraph as it doesn't have any o	changes.	
Copy	PT IN PRINCIPL Clause 167.3.2 i ment response w					PT IN PRINCIP	Response Status C LE. remedy with editorial license.		
C/ 157	SC 157.5	P 24	L 39	# 254	C/ 157	SC 157.6	P 24	L 49	# 256
Wienckow	vski, Natalie	IVN Solutions	S LLC		Wienckow	/ski, Natalie	IVN Solutions	LLC	
Comment Uncha	<i>Type</i> E anged subclause	Comment Status A		bucket_EZ(quick review)	Comment broke		Comment Status A		bucket_EZ
	9 157.5				<i>Suggested</i> fix the reque	Clause 45 link a	as it is in the document. Correc	ct links not in th	e document as already
	PT IN PRINCIPL	Response Status C E.			Response ACCE		Response Status C		
C/ 157	SC 157.6	P 24	L 46	# 34	C/ 157	SC 157.6	P 24	L 50	# 128
Ran, Adee	Э	Cisco System	ns, Inc.		Huber, Th	omas	Nokia		
Comment	Type E	Comment Status R		consistency_CL80	Comment	Туре Т	Comment Status A		bucket
This is	s very unusual. S	nclude a PICS - it only refers t Subclause 157.6 should be rer	noved (perha	ps in maintenance,		hange to replace rectional PHYs.	e clause 160 with 168 is not co	rrect; clauses 1	61 to 167 are unrelated
		e in scope), but even if it is no nelpful for readers and only ac			Suggestee	dRemedy			
	hat clauses 161	through 167, added by the ch					of 160 with 168, and add Clau gh Clause 160, Clause 168, ar		
Suggested	dRemedv				Response		Response Status C		
	ve 157.6 from th	e draft.					LE.		
Response		Response Status Z			See c	omment #167.			
, REJE		· · · · · · · · · · · · · · · · · · ·							
This o	ommont was W/I	TUDBAWAN by the commonto	r						

This comment was WITHDRAWN by the commenter.

C/ 157 SC 157.6

C/ 157 SC 157.6	P 24	L 50	# 167	CI 168 SC 168	P 26	LO	# 257
Dawe, Piers	Nvidia			Wienckowski, Natalie	IVN Solutions	LLC	
Comment Type E Clause 114, Clause ⁻	Comment Status A 158 through Clause 160Clause	168, and related	<i>bucket</i> d annexes demonstrates	Comment Type E Missing editorial instr	Comment Status A uction.		bucket_E2
SuggestedRemedy Clause 114, Clause ⁻ and related annexes [inserting a comma] Response ACCEPT IN PRINCI	Response Status C	ause 159, Claus	e 160, or _Clause 168,_	Response ACCEPT IN PRINCIF	on: Insert Clause 168. <i>Response Status</i> C PLE. I remedy with editorial license.		
Change the description	on as:	400 three work 0		C/ 168 SC 168	P 26	L 1	# 35
	9, Clause 73, Clause 74, Clause Clause 160, Clause 168, and re		lause 112, Clause 114,	Ran, Adee	Cisco System	s, Inc.	
C/ 157 SC 157.6	P 24	L 51	# 103	Comment Type ER Missing editorial instr	Comment Status A uction for clause 168.		bucket_E2
SuggestedRemedy	Broadcom <i>Comment Status</i> A related to things other than the bugh of Clause 160 and insert a		<i>bucket</i> se 160 and Clause 168	Response ACCEPT IN PRINCIF	uction: "Insert new clause 168". <i>Response Status</i> C PLE. I remedy with editorial license.		
Response	Response Status C			C/ 168 SC 168	P 26	L 1	# 117
ACCEPT IN PRINCI See comment #167.	PLE.			Zimmerman, George		isco,Marvell,On	Semi,Sony,SenTekse
C/ 158 SC 158.2	P 28	L12	# 63	Comment Type E Again, no editing inst	Comment Status A		bucket_E
Regev, Alon Comment Type E	Keysight Comment Status A		bucket_EZ(quick review)	SuggestedRemedy Insert editing instruct	on prior to header, "Insert Clau	se 168 after Cla	ause 167."
"80.3" should be a lin SuggestedRemedy change "80.3" to a lir				Response ACCEPT IN PRINCI Implement suggested	Response Status C PLE. I remedy with editorial license.		
Response	Response Status C						

C/ 168 SC 168

C/ 168	SC 168	P 26	L16	# 9	C/ 168	SC 168.1	P 26	L 7	# 259
Maguire, '	Valerie	Copperopolis	(aff'l w/ CME (Consulting and Cisco)	Wienckow	ski, Natalie	IVN Solutions	LLC	
Comment	t Type E	Comment Status R		consistency_CL140	Comment	Туре Е	Comment Status A		bucket_EZ(quick review)
Consi	ider using altern	ate sentence structure than a "	shall" stateme	nt.	There	should not be e	ditor's notes in D2.0 or later.		
Suggeste	dRemedy				Suggested	Remedy			
Repla	ace, "a PMD sha	ll be connected" with, "a PMD i	s connected"			0	which subclause this is based		similar notes in 168.2,
Response	e	Response Status C				168.4, 168.5, 1	68.7, 168.8, 168.9, 168.10, and	168.12.	
REJE This "		ted with PICS specified in 168.	12.4.1, Items	F1 and F2.		PT IN PRINCIP	Response Status C LE.		
C/ 168	SC 168.1	P 26	L 6	# 120			Dec		"
Zimmerm	ian, George	ADI,APLgp,Ci	sco,Marvell,O	nSemi,Sony,SenTekse	C/ 168	SC 168.1	P 26	L 7	# 100
Comment	t Type E	Comment Status A		bucket_EZ(quick review)	Slavick, Je Comment		Broadcom Comment Status A		bucket EZ(quick review)
remov	ved. They've pro	es on where things came from a obably served their purpose no o them around, they should be	w, through d2.	0, and may be deleted,	Remo	/e all the Editor	s notes stating what the sectior d not be included in the publica		= ()
Suggeste	dRemedy				Suggested	Remedy			
		s notes to say "Editor's note (to on origin for subclauses.	be removed p	prior to SA Ballot:" or	Remo ^r occure		s notes stating which clause wa	as used to c	reate the current clause (10
Response	e	Response Status C			Response		Response Status C		
	EPT IN PRINCIP ditor's notes will					PT IN PRINCIP omment #120.	LE.		
C/ 168	SC 168.1	P 26	L 7	# 62	C/ 168	SC 168.1	P 26	L19	# 260
0/ 100	lon	Keysight			Wienckow	ski, Natalie	IVN Solutions	LLC	
Regev, Al					• • •	T	Comment Status A		bucket EZ
Regev, Al Comment		Comment Status A prior to publication		bucket_EZ(quick review)	Comment broker	51			
Regev, Al Comment	ve editor's notes			bucket_EZ(quick review)		ı link			546/64_12
Regev, Al Comment remov	ve editor's notes dRemedy			bucket_EZ(quick review)	broker Suggested	n link Remedy	as it is in the document.		500101_12
Regev, Al Comment remov	ve editor's notes dRemedy ve editor's notes	prior to publication		bucket_EZ(quick review)	broker Suggested	n link Remedy			

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 168.1 Page 26 of 53 2025/7/8 10:02:05

168 SC 168.1	P 26	L 21	# 88		C/ 168	SC 168.1	P 26	L 33	# 68	
i, Guangcan	Huawei Techi	nologies Co., Ltd			Opsasnick	, Eugene	Broadcom,	Inc.		
omment Type TR C Table 168-1. The 100G bidi	<i>comment Status</i> A PMDs should also supp	ort 100G AUI-1 C	2M	AUI		168-1 lists the	Comment Status A Clause 91 RS-FEC as Requir			
uggestedRemedy add two rows for 100G AUI- esponse Re	1 C2C(CL120F) and 100 esponse Status C)G AUI-1 C2M(120)G) respectively		these t 91.5.3	wo FEC codes	ines both RS[528] and RS[54 should be used with the BR IYs use RS[528] and which u code.	10/20/40 PMDs. 8	Subclauses 91.5.2	
ACCEPT IN PRINCIPLE.					Suggested	-				
See comment #22.							standard and add the three F [4] as was done in 802.3ck fo			νНYs
2 168 SC 168.1 usted, Kent comment Type T C The 100GAUI-1 C2C and 10	P 26 Synopsys <i>Comment Status</i> A 00GAUI-1 C2M annexes	L22 should be referer	# 22	<i>AUI</i> 3-1	In 91.5 Chang	5.2.7 add: e the second s k-2022)	entence of the second parag			EE Std
uggestedRemedy Add references to 100GAUI = optional esponse Re	-1 C2C (Annex 120F) an	d 100GAUI-1 C2N	/I (Annex 120G)	Туре	VR1, 1 LR1,10	00GBASE-SR 00GBASE-CR1	100GBASE-KP4, 100GBASE 2, 100GBASE-SR1, 100GBA I, or 100GBASE-KR1, 100GB IY, the RS-FEC sublayer sha	SE-DR, 100GBA ASE-BR10, 1000	SE-FR1, 100GBAS SBASE-BR20, or	
ACCEPT IN PRINCIPLE. Implement suggested remed					Chang	:k-2022)	entence of the second parag	raph of 91.5.3.3 (as modified by IEE	EE Std
					VR1, 1 LR1, 1 100GE	00GBASE-SR 00GBASE-CR 3ASE-BR40 PH	100GBASE-KP4, 100GBASE 2, 100GBASE-SR1, 100GBA 1, or 100GBASE-KR1, 100GB IY, the RS-FEC sublayer sha t=15 symbol errors in a codev	SE-DR, 100GBA BASE-BR10, 100 Il be capable of c	SE-FR1, 100GBAS GBASE-BR20, or	
					Chang	e the third para	agraph of 91.5.3.3 (as modifie	ed by IEEE Std 80	02.3ck-2022) as fo	ollows:
					correc option 91.6.8 FEC_t the RS 100GE 100GE	tion to reduce t is indicated by). When the op pypass_correct GFEC sublayer BASE-VR1, 100 BASE-FR1, 100	lecoder may provide the optic he delay contributed by the R the assertion of the FEC_by tion is provided, it is enabled ion_enable variable (see 91.6 is used to form part of a 100 0GBASE-SR2, 100GBASE-SI 0GBASE-LR1, 100GBASE-CR R20, or 100GBASE-BR40 PH	S-FEC sublayer. bass_correction_ by the assertion (b.1). This option s GBASE-CR2, 100 R1, 100GBASE-S R1, or 100GBASE	The presence of t ability variable (see of the hall not be used w OGBASE-KR2, &R4, 100GBASE-D	this ee when DR,
						e the last sente k-2022) as	ence of the last paragraph of	91.5.3.3 (as mod	ified by IEEE Std	

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 C/
 168
 Page 27 of 53

 SORT ORDER: Clause, Subclause, page, line
 C/
 168
 Page 27 of 53

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.

Response Response Status C

ACCEPT IN PRINCIPLE.

Implement suggested remedy with editorial license.

C/ 168 SC 168.1 Broadcom Inc.

Opsasnick, Eugene

Comment Type **TR** Comment Status A

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.

P26

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.

Response

ACCEPT IN PRINCIPLE.

Implement suggested remedy with editorial license.

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

Response Status C

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).

SuggestedRemedv

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)

Response

Response Status C

ACCEPT IN PRINCIPLE. See comment #161.

C/ 168	SC 168.1	P 26	L 34	# 168
Dawe, Pier	rs	Nvidia		
Comment	Туре Т	Comment Status A		ne
For the	ese relatively l	ong links, FEC latency is not an	issue but robust	tness may be
Suggested	Remedy			
		lause 161 RS-FEC-Int (with 91.6	6.7a 100G_RS_F	EC_enable):
	nverse RS-FE RS-FEC-Int O			
		required to convert between R	S-FEC and RS-F	EC-Int (see 152.1.2).
Response		Response Status C		
	PT IN PRINCI			
		nsensus on this feature to have	in the draft. How	ever, no enough details
	mplemented in Deditor's note	to Clause 168 in the draft: call f	for contributions	related to the
	aved RS-FEC			
C/ 168	SC 168.1	P 26	L 47	# 36
Ran, Adee		Cisco System	ns Inc	
		Comment Status A	,	AL
Comment	IVDE TR			
Comment			2C and C2M) ar	-
l believ	/e the AUIs de	fined in 802.3ck (100GAUI-1 C		-
l believ 100GB	ve the AUIs de BASE-BRx PH			-
l believ 100GB Suggested	ve the AUIs de BASE-BRx PH Remedy	efined in 802.3ck (100GAUI-1 C Ys. They should be included in		-
l believ 100GB <i>Suggested</i> Add ro	ve the AUIs de BASE-BRx PH Remedy	efined in 802.3ck (100GAUI-1 C Ys. They should be included in es 120F and 120G, optional.		-
l believ 100GB Suggested Add ro Response	ve the AUIs de BASE-BRx PH Remedy	efined in 802.3ck (100GAUI-1 C Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C		-
l believ 100GB Suggested Add ro Response ACCEI	ve the AUIs de BASE-BRx PH <i>Remedy</i> ws for Annexe	efined in 802.3ck (100GAUI-1 C Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C		-
l believ 100GB Suggested Add ro Response ACCEI	ve the AUIs de BASE-BRx PH <i>Remedy</i> ws for Annexe PT IN PRINCI	efined in 802.3ck (100GAUI-1 C Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C		-
I believ 100GB Suggested Add ro Response ACCEI See co	ve the AUIs de BASE-BRx PH <i>Remedy</i> ws for Annexe PT IN PRINCI omment #22. SC 168.1	efined in 802.3ck (100GAUI-1 C Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE.	Table 168-1.	e very relevant for the
I believ 100GB Suggested Add ro Response ACCEI See co C/ 168 Maki, Jeffe	ve the AUIs de BASE-BRx PH <i>Remedy</i> ws for Annexe PT IN PRINCI omment #22. SC 168.1 ery	efined in 802.3ck (100GAUI-1 C. Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26	Table 168-1.	e very relevant for the
I believ 100GB Suggested Add ro Response ACCEI See co Cl 168 Maki, Jeffe Comment	ve the AUIs de BASE-BRx PH <i>Remedy</i> ws for Annexe PT IN PRINCI omment #22. SC 168.1 ery <i>Type</i> T	efined in 802.3ck (100GAUI-1 C Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26 Juniper Netw	Table 168-1.	e very relevant for the # 67
I believ 100GB Suggested Add ro Response ACCEI See co C/ 168 Maki, Jeffe Comment 100GA	Ve the AUIs de BASE-BRx PH IRemedy ws for Annexe PT IN PRINCI pomment #22. SC 168.1 SC 168.1 ST 168.1	efined in 802.3ck (100GAUI-1 C. Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26 Juniper Netw <i>Comment Status</i> A	Table 168-1.	e very relevant for the # 67
I believ 100GB Suggested Add ro Response ACCEI See co C/ 168 Maki, Jeffe Comment 100GA Suggested	Ve the AUIs de BASE-BRx PH IRemedy ws for Annexe PT IN PRINCI omment #22. SC 168.1 SC 168.1 ST Type T AUI-1 C2C & 1 IRemedy	efined in 802.3ck (100GAUI-1 C. Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26 Juniper Netw <i>Comment Status</i> A	Table 168-1. <i>L</i> 48 orks	e very relevant for the # 67
I believ 100GB Suggested Add ro Response ACCEI See co C/ 168 Maki, Jeffe Comment 100GA Suggested	Ve the AUIs de BASE-BRx PH IRemedy ws for Annexe PT IN PRINCI omment #22. SC 168.1 SC 168.1 ST Type T AUI-1 C2C & 1 IRemedy	efined in 802.3ck (100GAUI-1 C. Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26 Juniper Netw <i>Comment Status</i> A 00GAUI-1 C2M are missing.	Table 168-1. <i>L</i> 48 orks	e very relevant for the # 67
I believ 100GB Suggested Add ro Response ACCEI See co CI 168 Maki, Jeffe Comment 100GA Suggested Add 12 Response	Ve the AUIs de BASE-BRx PH IRemedy ws for Annexe PT IN PRINCI omment #22. SC 168.1 SC 168.1 ST Type T AUI-1 C2C & 1 IRemedy	efined in 802.3ck (100GAUI-1 C. Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26 Juniper Netw <i>Comment Status</i> A 00GAUI-1 C2M are missing. 1 C2C & 120G-100GAUI-1 C2M <i>Response Status</i> C	Table 168-1. <i>L</i> 48 orks	e very relevant for the # 67
I believ 100GB Suggested Add ro Response ACCEI See co CI 168 Maki, Jeffe Comment 100GA Suggested Add 12 Response ACCEI	ve the AUIs de BASE-BRx PH IRemedy ws for Annexe PT IN PRINCI omment #22. SC 168.1 ery Type T AUI-1 C2C & 1 IRemedy 20F-100GAUI-	efined in 802.3ck (100GAUI-1 C. Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26 Juniper Netw <i>Comment Status</i> A 00GAUI-1 C2M are missing. 1 C2C & 120G-100GAUI-1 C2M <i>Response Status</i> C	Table 168-1. <i>L</i> 48 orks	e very relevant for the # 67
I believ 100GB Suggested Add ro Response ACCEI See co CI 168 Maki, Jeffe Comment 100GA Suggested Add 12 Response ACCEI	ve the AUIs de BASE-BRx PH IRemedy ws for Annexe PT IN PRINCI SC 168.1 PT SC 168.1 PT VUI-1 C2C & 1 IRemedy 20F-100GAUI- PT IN PRINCI	efined in 802.3ck (100GAUI-1 C. Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26 Juniper Netw <i>Comment Status</i> A 00GAUI-1 C2M are missing. 1 C2C & 120G-100GAUI-1 C2M <i>Response Status</i> C	Table 168-1. <i>L</i> 48 orks	e very relevant for the # 67
I believ 100GB Suggested Add ro Response ACCEI See co CI 168 Maki, Jeffe Comment 100GA Suggested Add 12 Response ACCEI	ve the AUIs de BASE-BRx PH IRemedy ws for Annexe PT IN PRINCI SC 168.1 PT SC 168.1 PT VUI-1 C2C & 1 IRemedy 20F-100GAUI- PT IN PRINCI	efined in 802.3ck (100GAUI-1 C. Ys. They should be included in es 120F and 120G, optional. <i>Response Status</i> C PLE. <i>P</i> 26 Juniper Netw <i>Comment Status</i> A 00GAUI-1 C2M are missing. 1 C2C & 120G-100GAUI-1 C2M <i>Response Status</i> C	Table 168-1. <i>L</i> 48 orks	e very relevant for the # 67

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

SC 168.1

C/ 168

CI 168 SC 168.1	P 26	L 48	# 169	C/ 168 SC 168.1	P 27	L 9	# 171
Dawe, Piers	Nvidia			Dawe, Piers	Nvidia		
Comment Type T Add 100GAUI-1 C2C	Comment Status A and C2M		AUI	<i>Comment Type</i> E In 157, this figure incl	Comment Status R udes OAM (OPTIONAL)		consistency_CL140
SuggestedRemedy				SuggestedRemedy			
Insert 120F and 120G	below 135G. Optional.			Do the same here?			
Response	Response Status C			Response	Response Status C		
ACCEPT IN PRINCIF See comment #22.	PLE.			REJECT. Keep consistent with	existing clauses 140 and 160.		
C/ 168 SC 168.1	P 26	L 50	# 118	C/ 168 SC 168.1	P 27	L 13	# 119
Zimmerman, George	ADI,APLgp,C	isco,Marvell,On	Semi,Sony,SenTekse	Zimmerman, George	ADI,APLgp,C	isco,Marvell,Or	Semi,Sony,SenTekse
Comment Type T	Comment Status R		consistency_CL140	Comment Type T	Comment Status R		consistency_CL140
The note doesn't quite	e hit the point. Physical implem		GMII is optional. The	Physical implementat	ion of the CGMII is optional, bu	ut that is not wh	at Figure 168-1 shows.
The note doesn't quite			GMII is optional. The		ion of the CGMII is optional, bu	ut that is not wh	at Figure 168-1 shows.
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i	e hit the point. Physical implem	owever" says)		SuggestedRemedy	MII at line 13. Add text of "NO		-
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i is optional."	e hit the point. Physical implem I applies (which is what the "Ho s an optional interface." to "Ph	owever" says)		SuggestedRemedy Add footnote 1 to CG	MII at line 13. Add text of "NO		-
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i is optional." Response REJECT. The proposed simplifi	e hit the point. Physical implem I applies (which is what the "Ho s an optional interface." to "Ph <i>Response Status</i> C cation is less clear.	owever" says) lysical implement		SuggestedRemedy Add footnote 1 to CG is optional" at line 29	MII at line 13. Add text of "NO (below PCS). <i>Response Status</i> C Clause 140.		-
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i is optional." Response REJECT. The proposed simplifi Keep consistent with	e hit the point. Physical implem I applies (which is what the "Ho s an optional interface." to "Ph <i>Response Status</i> C cation is less clear. the latest amendment, e.g., CL	owever" says) lysical implement _162 in 802.3ck.	tation of the the CGMII	SuggestedRemedy Add footnote 1 to CG is optional" at line 29 Response REJECT. Keep consistent with	MII at line 13. Add text of "NO (below PCS). <i>Response Status</i> C Clause 140.		-
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i is optional." Response REJECT. The proposed simplifi Keep consistent with	e hit the point. Physical implem I applies (which is what the "Ho s an optional interface." to "Ph <i>Response Status</i> C cation is less clear.	owever" says) lysical implement		SuggestedRemedy Add footnote 1 to CG is optional" at line 29 Response REJECT. Keep consistent with See footnote a in Tab	MII at line 13. Add text of "NO (below PCS). <i>Response Status</i> C Clause 140. le 140-1. <i>P</i> 27	TE - Physical in	nplementation of CGMII # 2
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i is optional." Response REJECT. The proposed simplifi Keep consistent with C/ 168 SC 168.1	e hit the point. Physical implem I applies (which is what the "Ho s an optional interface." to "Ph <i>Response Status</i> C cation is less clear. the latest amendment, e.g., CL	owever" says) lysical implement _162 in 802.3ck.	tation of the the CGMII	SuggestedRemedy Add footnote 1 to CG is optional" at line 29 Response REJECT. Keep consistent with See footnote a in Tab C/ 168 SC 168.1 D'Ambrosia, John	MII at line 13. Add text of "NO (below PCS). <i>Response Status</i> C Clause 140. le 140-1. <i>P</i> 27	TE - Physical in <i>L</i> 19	nplementation of CGMII # 2 f Huawei
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i is optional." Response REJECT. The proposed simplifi Keep consistent with	e hit the point. Physical implem I applies (which is what the "He s an optional interface." to "Ph <i>Response Status</i> C cation is less clear. the latest amendment, e.g., CL <i>P</i> 27	owever" says) lysical implement _162 in 802.3ck.	tation of the the CGMII	SuggestedRemedy Add footnote 1 to CGI is optional" at line 29 Response REJECT. Keep consistent with See footnote a in Tab Cl 168 SC 168.1 D'Ambrosia, John Comment Type ER	MII at line 13. Add text of "NO (below PCS). <i>Response Status</i> C Clause 140. le 140-1. <i>P27</i> Futurewei, U. <i>Comment Status</i> A sysical Layer" is incorrect - it in	TE - Physical in <i>L</i> 19 S. Subsidiary o	nplementation of CGMII # 2 f Huawei <i>bucket_Ez</i>
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i is optional." Response REJECT. The proposed simplifi Keep consistent with C/ 168 SC 168.1 Dawe, Piers Comment Type E	e hit the point. Physical implem I applies (which is what the "Ho s an optional interface." to "Ph <i>Response Status</i> C cation is less clear. the latest amendment, e.g., CL <i>P</i> 27 Nvidia	owever" says) lysical implement _162 in 802.3ck.	tation of the the CGMII	SuggestedRemedy Add footnote 1 to CGI is optional" at line 29 Response REJECT. Keep consistent with See footnote a in Tab Cl 168 SC 168.1 D'Ambrosia, John Comment Type ER The bottom of the "Ph	MII at line 13. Add text of "NO (below PCS). <i>Response Status</i> C Clause 140. le 140-1. <i>P27</i> Futurewei, U. <i>Comment Status</i> A sysical Layer" is incorrect - it in	TE - Physical in <i>L</i> 19 S. Subsidiary o	nplementation of CGMII # 2 f Huawei <i>bucket_Ez</i>
The note doesn't quit logical description stil SuggestedRemedy Change "The CGMII i is optional." Response REJECT. The proposed simplifi Keep consistent with Cl 168 SC 168.1 Dawe, Piers Comment Type E Add reference to 157	e hit the point. Physical implem I applies (which is what the "Ho s an optional interface." to "Ph <i>Response Status</i> C cation is less clear. the latest amendment, e.g., CL <i>P</i> 27 Nvidia	owever" says) lysical implement _162 in 802.3ck.	tation of the the CGMII	SuggestedRemedy Add footnote 1 to CG is optional" at line 29 Response REJECT. Keep consistent with See footnote a in Tab Cl 168 SC 168.1 D'Ambrosia, John Comment Type ER The bottom of the "Ph the top of the "Mediur	MII at line 13. Add text of "NO (below PCS). <i>Response Status</i> C Clause 140. le 140-1. <i>P27</i> Futurewei, U. <i>Comment Status</i> A sysical Layer" is incorrect - it in	TE - Physical in <i>L</i> 19 S. Subsidiary o	nplementation of CGMII # 2 f Huawei <i>bucket_Ez</i>
The note doesn't quit. logical description stil SuggestedRemedy Change "The CGMII i is optional." Response REJECT. The proposed simplifi Keep consistent with Cl 168 SC 168.1 Dawe, Piers Comment Type E Add reference to 157 SuggestedRemedy	e hit the point. Physical implem I applies (which is what the "Ho s an optional interface." to "Ph <i>Response Status</i> C cation is less clear. the latest amendment, e.g., CL <i>P</i> 27 Nvidia	owever" says) lysical implement _162 in 802.3ck.	tation of the the CGMII	SuggestedRemedy Add footnote 1 to CG is optional" at line 29 Response REJECT. Keep consistent with See footnote a in Tab CI 168 SC 168.1 D'Ambrosia, John Comment Type ER The bottom of the "Ph the top of the "Medium SuggestedRemedy	MII at line 13. Add text of "NO (below PCS). <i>Response Status</i> C Clause 140. le 140-1. <i>P27</i> Futurewei, U. <i>Comment Status</i> A sysical Layer" is incorrect - it in	TE - Physical in <i>L</i> 19 S. Subsidiary o	nplementation of CGMII # 2 f Huawei <i>bucket_Ez</i>

C/ 168 SC 168.1

C/ 168 SC 168.1	P 27	L 28	# 172	C/ 168 SC	168.3.2	P 29	L 2	# 108
Dawe, Piers	Nvidia			Zimmerman, Ge	orge	ADI,APLgp,Ci	sco,Marvell,On	Semi,Sony,SenTekse
Comment Type E	Comment Status A		bucket_EZ	Comment Type	TR	Comment Status R		consistency_CL140
Layout						fact. The limitation on the sk		
SuggestedRemedy				the requirem While 83 5 3	ents in 83. 4 was me	5.3.4 go further and specify sl ntioned earlier defining skew,	kew variation. it isn't clear tha	Is that to be specified?
Left justify						nat should be stated.		
Response	Response Status C			SuggestedReme	dy			
ACCEPT IN PRINCIP Implement suggested	LE. remedy with editorial license.					is limited to 43 ns as defined l comply with the requirements of		'Skew and skew
C/ 168 SC 168.1	P 27	L 36	# 173	Response		Response Status C		
Dawe, Piers	Nvidia			REJECT. Keep consist	tent with C	lause 140.		
Comment Type E Blank line?	Comment Status A		bucket_EZ	C/ 168 SC	168.4	P 29	L 26	# 82
SuggestedRemedy				Simms, William		NVIDIA		
Remove?				Comment Type	Е	Comment Status A		bucket_EZ
Response	Response Status C			strage break	in body te	xt and insertion of Tables		
ACCEPT.				SuggestedReme	dy			
					t line 23 ar	nd picking up at line 49 unbrok	en and move t	ables to appropriate
C/ 168 SC 168.3.2	P 28	L 52	# 107	location				
Zimmerman, George	ADI,APLgp,C	isco,Marvell,On	Semi,Sony,SenTekse	Response		Response Status C		
Comment Type E	Comment Status A		bucket_EZ	ACCEPT IN		E. emedy with editorial license.		
Active cross reference not in the draft.	es to sections 80.5, Figure 80-	9, 83.5.3.4, all po	pint nowhere, they are				1.0-	
	re on cross references - howe	ver, there are nu	merous ones missed		168.4	P 29	L 27	# 261
and they need to be c	hecked.			Wienckowski, Na		IVN Solutions	LLC	
SuggestedRemedy				51	E	Comment Status A		bucket_EZ
	s as external. Editor to check t	he draft for exter	nal cross references	tables should	d not be in	the middle of a paragraph		
globally and fix.	_			SuggestedReme				
Response	Response Status C			Move Tables	s 168-2 and	d 168-3 after the paragraph te	xt.	
ACCEPT IN PRINCIP	LE. remedy with editorial license :	and discretion		Response		Response Status C		
implement suggested	remoty with cultonar ildelise i			ACCEPT.				

C/ 168 SC 168.4

C/ 168 SC 168.	5.1 P30	L 8	# 37	C/ 168	SC	168.5.2	P 30	L 43	# 10
Ran, Adee	Cisco System	ns, Inc.		Maguire, V	/alerie		Copperopolis	s (aff'l w/ CME C	consulting and Cisco)
Comment Type TR	Comment Status A		consistency_dj	Comment	Туре	Е	Comment Status R		consistency_CL140
	is "PMD block diagram", but the	block diagram	in Figure 168-2 is not of a	Consi	der usir	ig alternat	e sentence structure than a	"shall" statemen	t.
PMD but of a trans	mit/receive path.			Suggested	Remed	ly			
I am aware that the not be carried ove	e incorrect heading exists in many to a new clause.	r previous cla	uses, but an error should	·	,		ction shall convert" with, "Tra		
The suggested rer	nedy is being used in similar subc	lauses in P80	2.3dj.	•		e optical s	ignal shall then be delivered	" with, "The option	cal signal is then
SuggestedRemedy				delive	rea				
Change the subcla	use title from "PMD block diagram	n" to "Block d	agram".	•		n lowest t	o highest shall correspond "	with, "from lowe	est to highest
Response	Response Status C				ponds"				
ACCEPT.				Response			Response Status C		
C/ 168 SC 168 .	5.1 P30 Marvell	L 38	# 216		"shall"	in Clause Items F4	168.5.2 (PMD transmit func and F5	tion) are associa	ated with PICS specified
Comment Type E	Comment Status A		bucket_EZ(quick review)	C/ 168	SC	168.5.3	P 30	L51	# 11
poor English.				Maguire, V	/alerie		Copperopolis	s (aff'l w/ CME C	onsulting and Cisco)
SuggestedRemedy				Comment		Е	Comment Status R		consistency CL140
	are not typically be accessible"					_	e sentence structure than a	"shall" statemen	2=
Response	Response Status C			Suggestee	Remed	ly			
ACCEPT. Maintenance requ	red for Clause 160.			Repla	ce, "The	e PMD rec	eive function shall convert"	with, "The PMD	receive function converts'
C/ 168 SC 168.	5.1 <i>P</i> 30	L39	# 474		-	n lowest t	o highest shall correspond"	with, "from lowes	st to highest corresponds"
		L 39	# 174	Response			Response Status C		
Dawe, Piers	Nvidia			REJE		in Clause	169 E 2 (DMD receive funct		ted with DICS encoified
Comment Type E	Comment Status A		bucket_EZ(quick review)				168.5.3 (PMD receive funct , F7, and F8	ion) are associa	ted with PICS specified
implemented syste	d TP4 (these test points are not m)" but this is outdated. Clause 7 . Linear optical modules are feasi typically be"	167 (100G/lar	e VR and SR says "might						
SuggestedRemedy									
Change "are not ty	pically be" to "might not be"								
Response	Response Status C								
ACCEPT IN PRIN	1								

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

See comment #216.

C/ 168 SC 168.5.3 Page 31 of 53 2025/7/8 10:02:06

C/ 168 SC 168.5.4	P 31	L19	# 12	C/ 168	SC 168.5.4		P 31	L 31	# 177
Maguire, Valerie	Copperopolis	(aff'l w/ CME Co	onsulting and Cisco)	Dawe, Pie	ers	N	vidia		
C C	Comment Status R e sentence structure than a "	shall" statement	consistency_CL140	Comment This "I clause	base text" does i	<i>Comment Sta</i> not agree with the and 167. "Must" is o	published ?	160.5 and simila	<i>bucket_E</i> r sections in other
reports"	detect function shall report" v FECT shall be a global indica			Suggested Chang Make Response	dRemedy ge "an unavoidal any other chang		to "a conse e published	quence". Chan	ge "must" to "need to". priate.
	ECT parameter shall be ger	nerated" with, "S	IGNAL_DETECT	ACCE	SC 168.5.5		P31	L 42	# 13
parameter is generated				Maguire, V		C			Consulting and Cisco)
	Response Status C 168.5.4 (PMD global signal o 2.4.1, Items F9 and F10.	detect function)	are associated with	Comment	<i>Type</i> E der using alterna	Comment Sta	atus R	,	consistency_CL14
X 168 SC 168.5.4	P 31	L 23	# 175	00		all be reset" with, '	"the PMD is	s reset"	
	N 1. 2. 10 -			_					
Dawe, Piers Comment Type T	Nvidia Comment Status A		bucket_EZ	Response REJE		Response Sta	tus C		
<i>Comment Type</i> T inter-sublayer service in		131.3.	bucket_EZ	REJE The "s	CT.			is associated wit	h PICS specified in
Comment Type T inter-sublayer service in SuggestedRemedy	Comment Status A		bucket_EZ	REJE The "s	CT. shall" in Clause 1			is associated wit	th PICS specified in # 14
Comment Type T inter-sublayer service in SuggestedRemedy	Comment Status A terface primitives defined in		bucket_EZ	REJE The "s 168.12	CT. shall" in Clause 1 2.4.1, Item F11. SC 168.5.6	168.5.5 (PMD rese	et function) i P 31	L 47	-
Comment Type T inter-sublayer service in uggestedRemedy inter-sublayer service in	Comment Status A terface primitives defined in terface primitives defined in		bucket_EZ	C/ 168 Maguire, V Comment	CT. shall" in Clause 1 2.4.1, Item F11. SC 168.5.6 Valerie <i>Type</i> E	Comment Sta	et function) i P 31 opperopolis atus R	L 47 s (aff'l w/ CME C	# 14 Consulting and Cisco) consistency_c
Comment Type T inter-sublayer service in cuggestedRemedy inter-sublayer service in Response	Comment Status A terface primitives defined in terface primitives defined in		bucket_EZ	C/ 168 Maguire, V Comment	CT. shall" in Clause 1 2.4.1, Item F11. SC 168.5.6 Valerie <i>Type</i> E der using alterna	168.5.5 (PMD rese C	et function) i P 31 opperopolis atus R	L 47 s (aff'l w/ CME C	# 14 Consulting and Cisco) consistency_c
Comment Type T inter-sublayer service in uggestedRemedy inter-sublayer service in Response ACCEPT.	Comment Status A terface primitives defined in terface primitives defined in Response Status C	80.3.		C/ 168 Maguire, V Comment Suggested	CT. shall" in Clause 1 2.4.1, Item F11. SC 168.5.6 Valerie <i>Type</i> E der using alterna <i>dRemedy</i>	168.5.5 (PMD rese C <i>Comment Sta</i> ate sentence struct	et function) i P 31 opperopolis atus R ture than a	L 47 s (aff'l w/ CME C "shall" statemen	# [14 Consulting and Cisco) <i>consistency_c</i> at.
inter-sublayer service in uggestedRemedy inter-sublayer service in esponse ACCEPT. 1 168 SC 168.5.4 pawe, Piers	Comment Status A terface primitives defined in terface primitives defined in Response Status C	80.3.	# 176	C/ 168 Maguire, V Comment Suggested	CT. shall" in Clause 1 2.4.1, Item F11. SC 168.5.6 Valerie <i>Type</i> E der using alterna <i>dRemedy</i>	168.5.5 (PMD rese C <i>Comment Sta</i> ate sentence struct	et function) i P 31 opperopolis atus R ture than a	L 47 s (aff'l w/ CME C "shall" statemen	# 14 Consulting and Cisco) consistency_o
Comment Type T inter-sublayer service in uggestedRemedy inter-sublayer service in Response ACCEPT. 168 SC 168.5.4 Dawe, Piers Comment Type T While the status variable	Comment Status A terface primitives defined in terface primitives defined in Response Status C P31 Nvidia Comment Status R es have "global" in their name	80.3. <i>L</i> 25 es so that 1-land	# <u>176</u> consistency_CL140 e PHYs can be	C/ 168 Maguire, V Comment Consii Suggested Repla	CT. shall" in Clause 1 2.4.1, Item F11. SC 168.5.6 Valerie Type E der using alterna dRemedy ce, "compliant w	168.5.5 (PMD rese C <i>Comment Sta</i> ate sentence struct	P 31 opperopolis atus R ture than a	L 47 s (aff'l w/ CME C "shall" statemen with, "compliant y	# 14 Consulting and Cisco) <i>consistency_</i> it.
Comment Type T inter-sublayer service in SuggestedRemedy inter-sublayer service in Response ACCEPT. 21 168 SC 168.5.4 Dawe, Piers Comment Type T While the status variable managed the same as r	Comment Status A terface primitives defined in terface primitives defined in Response Status C P31 Nvidia Comment Status R es have "global" in their nam- nultilane PHYs, saying that S	80.3. <i>L</i> 25 es so that 1-lane SIGNAL_DETEC	# <u>176</u> consistency_CL140 e PHYs can be	C/ 168 Maguire, V Comment Consii Suggested Repla	CT. shall" in Clause 1 2.4.1, Item F11. SC 168.5.6 Valerie <i>Type</i> E der using alterna <i>dRemedy</i> ce, "compliant w ce, "this function	in this clause sha	et function) i P31 opperopolis atus R ture than a Il include" v n, "this func	L 47 s (aff'l w/ CME C "shall" statemen with, "compliant y	# 14 Consulting and Cisco) <i>consistency_</i> it.
omment Type T inter-sublayer service in uggestedRemedy inter-sublayer service in esponse ACCEPT. / 168 SC 168.5.4 awe, Piers omment Type T While the status variable managed the same as r	Comment Status A terface primitives defined in terface primitives defined in Response Status C P31 Nvidia Comment Status R es have "global" in their name nultilane PHYs, saying that S ptical signal isn't really right.	80.3. <i>L</i> 25 es so that 1-lane SIGNAL_DETEC	# <u>176</u> consistency_CL140 e PHYs can be	REJE The "s 168.12 <i>CI</i> 168 Maguire, V <i>Comment</i> <i>Consie</i> <i>Suggestee</i> Repla <i>Response</i> <i>REJE</i> These	CT. shall" in Clause 1 2.4.1, Item F11. SC 168.5.6 Valerie <i>Type</i> E der using alterna <i>dRemedy</i> ce, "compliant w ce, "this function CT. * "shall" in 168.5.	168.5.5 (PMD rese C Comment Sta ate sentence struct vith this clause sha	et function) i P31 opperopolis atus R ture than a Il include" v n, "this func tus C nsmit disab	L47 s (aff'l w/ CME C "shall" statemen with, "compliant w tion turns off" ele function)	# [14 consulting and Cisco) <i>consistency_</i> it.

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 32 of 53 2025/7/8 10:02:06

C/ 168	SC 168.5.7	P 32	L 6	# 15	C/ 168	SC 168.5.9	P 32	L 21	# 129
Maguire, '	Valerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)	Huber, Th	omas	Nokia		
<i>Comment</i> Consi	51	<i>Comment Status</i> R te sentence structure than a "	shall" statemen	consistency_CL140 t.	<i>Comment</i> The fi	51	Comment Status A this clause is a comma splice		bucket_EZ(quick review)
	ce, "the PMD sha	all set" with, "the PMD sets" hall be mapped to" with, "PMI	D_fault is mapp	ed to"	PMDs	ce the comma v , or write it as "	with a semicolon,split into tw The PMD_receive_fault functi the 100GBASE-BRx-D PMD."	on is mandator	
Response)	Response Status C			Response		Response Status C		
		7 (PMD fault function) are ass	ociated with PI	CS specified in	Chang The 1		PLE. -U PMD shall include the PMI MD, the PMD_receive_fault fu		
CI 168	SC 168.5.8	P 32	L 13	# 16	C/ 168	SC 168.5.1		L 31	# 18
Maguire, '	Valerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)					
Comment	51	Comment Status R		consistency_CL140	Maguire, V				Consulting and Cisco)
Consi	der using alterna	te sentence structure than a "	shall" statemen	t.	Comment	51	Comment Status R	"aball" atotoma	consistency_c
Suggestee	dRemedy				Consi	der using altern	ate sentence structure than a	Shall Stateme	n.
Repla	ce, "the PMD sha	all set" with, "the PMD sets"			Suggested	-			
Repla	ce. "PMD transn	nit_fault shall be mapped to" v	vith. "PMD_tran	smit fault is mapped to"			shall be provided" with, "Siler	it start is provid	ed
' Response		 Response Status C	, _	_ ''	Response		Response Status C		
REJE These	CT.	3 (PMD transmit fault function) are associated	d with PICS specified in	REJE The "s Item F	shall" in 168.5.1	0 (ONU silent start) is associa	ated with PICS s	specified in 168.12.4.1,
C/ 168	SC 168.5.9	P 32	L 21	# 17					
Maguire, '	Valerie	Copperopolis	(aff'l w/ CME C	onsulting and Cisco)					
<i>Comment</i> Consi	51	<i>Comment Status</i> R te sentence structure than a "	shall" statemen	consistency_cp t.					
S <i>uggeste</i> e Repla		BRx-U PMD shall include" wit	h, "100GBASE-	BRx-U PMD includes"					
		all set the" with, "the PMD sets							
Repla	ce, "PMD_receiv	e_fault shall be mapped" with	, "PMD_receive	_fault is mapped"					
Response)	Response Status C							
REJE These	CT.	9 (PMD receive fault function)	are associated	with PICS specified in					

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 168.5.10 Page 33 of 53 2025/7/8 10:02:06

C/ 168	SC 168.6	P 32	L 40	# 217
Dudek, Mike		Marvell		
Comment Ty	vpe TR	Comment Status A		interoperation

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

Response

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 A		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."

Response

Response Status C

Response Status C

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 A	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".

Response		Response Status C		
Delete	PT IN PRINCIPLE footnote a from 1 consistent with cla	Table 168-5.		
C/ 168	SC 168.6.1	P 33	L	# 268
Maniloff, E	Eric	Ciena		
Comment	Type TR	Comment Status R		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.

Response Response Status C

REJECT.

Draft is not broken, no consensus to make the change. Call for contribution to improve the values of BR20 and BR40.

C/ 168 SC 168.6.1

C/ 168	SC 168.6.1	P 33	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 A		new	Comment	Туре	Е	Comment Status A		bucket_EZ
		recent PMDs with 100 Gb/s performance degradatation.	per lane has bee	n narrowed to +/- 50	For im (6) PN		readability	/, where the parameter limits	seem likely to r	emain the same for all 3
The 100) Gb/s AUIs defi	ined in Annex 120F and 1200	G support this nar	rower range.		the firs	four rows	, merge and straddle the trip	le entries for	
		R8 PMDs in 802.3df, Table 1 ample of how this is impleme			Trans		ansition tir	ratio (SMSR), (min) ne (max)		
SuggestedR	Remedy						eflectance	(max)		
In Table	e 168-6 and Tab	le 168-7, change the signalir	ng rate range to 5	3.125 +/- 50 ppm.	Response			Response Status C		
Response ACCEP	T IN PRINCIPLI	Response Status C E.			ACCE					
Clause	140 uses 100pp	om, df has mixed definitions,	dj uses 50ppm.		C/ 168	SC	168.6.1	P33	L 24	# 70
C/ 168	SC 168.6.1	P 33	L15	# 89	Johnson,	John		Broadcom		
Mi, Guangca	an	Huawei Tech	nologies Co., Ltd		Comment	Туре	TR	Comment Status R		technical
Comment Ty		Comment Status A		bucket_EZ				d OMA(max) =5 dBm, maxin () spec of 4.8dBm for 100G-I		ould be 6.2 dBm, which
or 100G and dow precisel It is how	BASE-BRx-U c vn stream would y controlled, thu vever a single w	is currently written as 100GB enter wavelengths (range). T d only have one wavelength e is a range is specified allowir avelength, therefore the plura	his doesn't seem each. The wavele ng the center wav	right. The upstream ngth can not be elength to drift or shift.	at ER	um requ (min). 1 5 dBm to	uired TX C To conform	MA at TDECQ(max) = 3.1 d to TX Pavg(max) = 4.8 dBn in Table 168-6, and RX OM/	n, propose to ch	ange TX OMA(max)
SuggestedR					Response			Response Status C		
change	wavelengths to	wavelength in both cases of	upstream and do	wnstream.	REJE					
Response		Response Status C					n TX Pavg	, OMA(max) and ER(min) do	on't have to be m	et simultaneously.
ACCEP	Т.		abla 168 7		Refer	to 3dk_	jackson_2	407_1b.pdf.		

Implement suggested remedy to Table 168-6 and Table 168-7.

C/ 168 SC 168.6.1

C/ 168	SC 168.6.1	P33	L 28	# 40	C/ 168	SC 168.6.1	P33	L 36	# 95
Ran, Adee	9	Cisco System	s, Inc.		Stassar, Pete	r	Huawei		
Comment	Type ER	Comment Status R		consistency_dj	Comment Typ	e ER	Comment Status A		over/under-shoo
indica	ted by indentation	(min) in Table 167-7 contain , as done in the "Receiver se					ver/undershoot", In P802.3dj it w Also in 168.7,1 and 168.7.7	vas recently ag	reed to use "transmitter
that th	ese are two cases	s.			SuggestedRe	medy			
	nrase "for 1.4 dB < ned to improve re	<= max(TECQ, TDECQ) <= 1 adabilty.	「DECQ(max)" is	overly long and can be	In 168.7.1	, Table 168-	smitter over/under -shoot" to "Tr 10 change "Over/under-shoot" t	to "Transmitter	overshoot and
Suggested Indent	<i>IRemedy</i> the sub-rows star	rting with "for".				shoot". In pa	heading of 168.7.7 from "Over/u aragraphs 1 and 2 of 168.7.7 ch		
	je "for 1.4 dB <= r	max(TECQ, TDECQ) <= TDE	CQ(max)" to "fc	r max(TECQ, TDECQ)	Response		Response Status C		
Response		Response Status C			ACCEPT.				
REJE	• • •				C/ 168	SC 168.6.1	P 33	L 38	# 71
Follow	ing dj format (e.g.	., Table 183-6).			Johnson, Joh	า	Broadcom		
/ 168	SC 168.6.1	P 33	L 36	# 43	Comment Typ	e TR	Comment Status A		technica
Ran, Adee	e	Cisco System	s, Inc.				excursion (TPE) maximum limit		
omment	51	Comment Status A		over/under-shoot			um overshoot (OS) = 22%. As 14.6% at OMA(max) to be cons		
		-shoot" is shorthand that sho ause 168.7.7 are actually to the			SuggestedRe	medy			
under	shoot, while "over/	/under-shoot" is not defined a as been changed to "oversho	at all.				ty, TPE(max) = OMA(max)*(OS limits for TPE(max) as follows:	+0.5), where C	OS = 14.6%. Based on
	he definition subc .8) instead of olde	elause 168.7.7 should be align er clauses.	ned with the rec	ent text in 802.3db	100G-BR2	20: from 3.9	dBm to 1.7 dBm (assuming acc dBm to -0.5 dBm	ceptance of TX	COMA(max) = 3.6 dBm)
uggested	lRemedy					40: from 6.1	dBm to 7.8 dBm		
		ershoot/undershoot (max)".			Response		Response Status C		
		7.7 to align it with 167.8.8 in 8 0 and elsewhere accordingly.				IN PRINCIPI the formula:	_E. TPE(max) = OMA(max)*(OS+	0.5), where OS	6 = 14.6% at OMA(max).
		Response Status C					es in Table 168-6 as:		
Response	PT IN PRINCIPLE				100G-BR ⁻	10: 3.1 dBm			

C/ 168 SC 168.6.1 Page 36 of 53 2025/7/8 10:02:06

C/ 168 SC 16	68.6.1	P 33	L 39	# 179	C/ 168	SC 168.6.1	F	P 33	L 50	# 41
Dawe, Piers		Nvidia			Ran, Adee		Cis	sco Systems	s, Inc.	
Comment Type	E Co	mment Status A		bucket_EZ	Comment	Type TR	Comment State	tus A		bucket_E
Use the emerging	ing standard o	rder for these paramete	ers (see Clause	e 151)						a 50 Gb/s PMD and is
SuggestedRemedy Move Average I		of OFF transmitter (ma	x)			ant. The relevan es need to be m		10 instead (a	assuming it is co	onsistent; if not, further
to after Transmi	nitter transition	time (max)	-		Also, e	external reference	ces should be indica	ated by "fore	est green" text o	olor.
Response	Res	sponse Status C			Suggested	Remedy				
ACCEPT.					Chang	e "Clause 139"	to "Clause 140" and	d format as	external referer	nce (forest green).
C/ 168 SC 16	68.6.1	P 33	L 46	# 180	Response		Response Statu	us C		
Dawe, Piers		Nvidia			ACCE	PT.				
,	T Co	mment Status R		bucket_EZ(quick review)	C/ 168	SC 168.6.1	F	P 33	L 51	# 181
It's probably not	ot worth testing	some transmitters for	TDECQ and RI	N with 15 dB return loss	Dawe, Pier	rs	Nvi	vidia		
and others with	n 15.6 dB. The	cost in paperwork may	/ outweigh any	difference in yield.	Comment	Type T	Comment Stat	tus A		bucket E
,		here and in Table 168	-11 (simplifying	and being		parison with Cla tent doesn't see		E-FR LR ER	R) doesn't seem	relevant; saying this is
conservative).	ging 15.6 to 15		-11 (simplifying	and being	consist	tent doesn't see		E-FR LR ER	R) doesn't seem	relevant; saying this is
Consider chang conservative). Then RINxOMA If it is thought w and the channe	ging 15.6 to 15 A can become vorthwhile, the	RIN15OMA. discrete reflectances fo	or 100GBASE-	, C	consis Suggested Delete	tent doesn't see <i>Remedy</i> the sentence "E		presentation	of the OMAout	
Consider chang conservative). Then RINxOMA If it is thought w and the channe that 0.6 dB.	ging 15.6 to 15 A can become worthwhile, the el optical returr	RIN15OMA. discrete reflectances fo loss in Table 168-12 c	or 100GBASE-	BR10 in Table 168-14	consis Suggested Delete	tent doesn't see <i>Remedy</i> the sentence "E	m correct. Even though the rep	presentation e consistent.	of the OMAout	
Consider chang conservative). Then RINxOMA If it is thought w and the channe	ging 15.6 to 15 A can become worthwhile, the el optical returr	RIN15OMA. discrete reflectances fo	or 100GBASE-	BR10 in Table 168-14	consis Suggested Delete differer Response ACCEI	tent doesn't see <i>Remedy</i> the sentence "E	m correct. Even though the rep lause 139, they are <i>Response Statu</i>	presentation e consistent.	of the OMAout	
Consider chang conservative). Then RINxOMA If it is thought w and the channe that 0.6 dB. Response REJECT.	ging 15.6 to 15 A can become worthwhile, the el optical returr <i>Res</i>	RIN15OMA. discrete reflectances fo loss in Table 168-12 c	or 100GBASE- could be made	BR10 in Table 168-14	consisi Suggested Delete differer Response ACCEI See co	tent doesn't see <i>Remedy</i> the sentence "E nt from that in C PT IN PRINCIPI mment #41.	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE.	presentation consistent. us C	n of the OMAout "	er requirement is
Consider chang conservative). Then RINxOMA If it is thought w and the channe that 0.6 dB. Response REJECT. Small difference	ging 15.6 to 15 A can become worthwhile, the el optical returr <i>Res</i> æ exists in othe	RIN15OMA. discrete reflectances fo loss in Table 168-12 c sponse Status C	or 100GBASE- could be made	BR10 in Table 168-14	consisi Suggested Delete differen Response ACCEI See co C/ 168	tent doesn't see Remedy the sentence "E nt from that in C PT IN PRINCIPI omment #41. SC 168.6.1	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE.	presentation e consistent. <i>us</i> C P 34	n of the OMAout	
Consider chang conservative). Then RINXOMA If it is thought w and the channe that 0.6 dB. Response REJECT. Small difference	ging 15.6 to 15 A can become worthwhile, the el optical returr <i>Res</i> æ exists in othe	RIN15OMA. discrete reflectances fo loss in Table 168-12 c sponse Status C er clauses, such as clau	or 100GBASE-l could be made use 140.	BR10 in Table 168-14 slightly worse, to spend	consisi Suggested Delete differen Response ACCEI See co C/ 168 Ran, Adee	tent doesn't see Remedy the sentence "E nt from that in C PT IN PRINCIPI omment #41. SC 168.6.1	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE. <i>F</i> Cis	presentation consistent. <i>us</i> C P 34 sco Systems	n of the OMAout	er requirement is # [42
Consider chang conservative). Then RINXOMA If it is thought w and the channe that 0.6 dB. Response REJECT. Small difference C/ 168 SC 16 Iohnson, John	ging 15.6 to 15 A can become worthwhile, the el optical returr <i>Res</i> ee exists in othe 68.6.1	RIN15OMA. discrete reflectances fo loss in Table 168-12 c sponse Status C er clauses, such as clau P 33	or 100GBASE-l could be made use 140.	BR10 in Table 168-14 slightly worse, to spend	consisi Suggested Delete differen Response ACCEI See co Cl 168 Ran, Adee Comment	tent doesn't see Remedy the sentence "E nt from that in C PT IN PRINCIPI omment #41. SC 168.6.1	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE. <i>F</i> Cis <i>Comment Statu</i>	presentation consistent. <i>us</i> C P34 sco Systems <i>tus</i> R	f of the OMAout " <i>L</i> 1 s, Inc.	er requirement is # 42 consistency_c
Consider chang conservative). Then RINXOMA If it is thought w and the channe that 0.6 dB. Response REJECT. Small difference C/ 168 SC 16 Johnson, John Comment Type	ging 15.6 to 15 A can become worthwhile, the el optical return <i>Res</i> te exists in othe 68.6.1 TR <i>Co</i>	RIN15OMA. discrete reflectances for a loss in Table 168-12 c sponse Status C er clauses, such as clau <i>P</i> 33 Broadcom	or 100GBASE-l could be made use 140.	BR10 in Table 168-14 slightly worse, to spend # 72	consisi Suggested Delete differen Response ACCEI See co C/ 168 Ran, Adee Comment Equatio	tent doesn't see Remedy the sentence "E nt from that in C PT IN PRINCIPI omment #41. SC 168.6.1 Type T ons 168-1 throu	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE. <i>F</i> Cis <i>Comment Statu</i>	presentation consistent. <i>us</i> C P34 sco Systems <i>tus</i> R quations - th	f of the OMAout " <i>L</i> 1 s, Inc.	er requirement is # [42
Consider chang conservative). Then RINXOMA If it is thought w and the channe that 0.6 dB. Response REJECT. Small difference C/ 168 SC 16 Johnson, John Comment Type	ging 15.6 to 15 A can become worthwhile, the el optical return <i>Res</i> ee exists in othe 68.6.1 TR <i>Cc</i> ry to compare v	RIN15OMA. discrete reflectances for a loss in Table 168-12 c sponse Status C er clauses, such as clau P33 Broadcom omment Status A	or 100GBASE-l could be made use 140.	BR10 in Table 168-14 slightly worse, to spend # 72	consisi Suggested Delete differen Response ACCEI See co Cl 168 Ran, Adee Comment Equatic anythir	tent doesn't see Remedy the sentence "E nt from that in C PT IN PRINCIPL omment #41. SC 168.6.1 Type T ons 168-1 throu ng without the co	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE. <i>F</i> Cis <i>Comment Statu</i> gh 168-3 are not ec ontext, which is Tab	Presentation e consistent. <i>us</i> C P34 sco Systems <i>tus</i> R quations - th ple 167-7.	L1 s, Inc.	# 42 consistency_c
Consider chang conservative). Then RINXOMA If it is thought w and the channe that 0.6 dB. Response REJECT. Small difference (7 168 SC 16 Iohnson, John Comment Type It's unnecessary SuggestedRemedy Delete "Even th	ging 15.6 to 15 A can become worthwhile, the el optical return <i>Res</i> ee exists in othe 68.6.1 TR <i>Cc</i> ry to compare v hough the representation	RIN15OMA. discrete reflectances for loss in Table 168-12 c sponse Status C er clauses, such as clau P33 Broadcom omment Status A with Cl. 139 in footnote esentation of the OMAc	or 100GBASE-loould be made use 140. <i>L</i> 50 (b).	BR10 in Table 168-14 slightly worse, to spend # 72	consisi Suggested Delete differen Response ACCEI See co C/ 168 Ran, Adee Comment Equati anythir It woul	tent doesn't see <i>Remedy</i> the sentence "Ent from that in C PT IN PRINCIPI omment #41. <i>SC</i> 168.6.1 <i>Type</i> T ons 168-1 throu ng without the co d be a better se	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE. <i>F</i> Cis <i>Comment Statu</i> gh 168-3 are not ec ontext, which is Tab	Presentation e consistent. <i>us</i> C P34 sco Systems <i>tus</i> R quations - th ple 167-7.	L1 s, Inc.	# 42 consistency_d
Consider chang conservative). Then RINXOMA If it is thought w and the channe that 0.6 dB. Response REJECT. Small difference C/ 168 SC 16 Iohnson, John Comment Type It's unnecessary SuggestedRemedy Delete "Even th Clause 139, the	ging 15.6 to 15 A can become worthwhile, the el optical return Res te exists in othe 68.6.1 TR Cc ry to compare v hough the repri	RIN15OMA. discrete reflectances for loss in Table 168-12 c sponse Status C er clauses, such as clau P33 Broadcom omment Status A with Cl. 139 in footnote	or 100GBASE-loould be made use 140. <i>L</i> 50 (b).	BR10 in Table 168-14 slightly worse, to spend # [72 bucket_EZ	consisi Suggested Delete differen Response ACCEI See co Cl 168 Ran, Adee Comment Equation anythir It would Suggested Move t	tent doesn't see <i>Remedy</i> the sentence "E th from that in C PT IN PRINCIPL omment #41. <i>SC</i> 168.6.1 <i>Type</i> T ons 168-1 throu ng without the co d be a better se <i>Remedy</i> hese expression	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE. <i>Comment Statu</i> gh 168-3 are not ec ontext, which is Tab rvice to the reader i	Presentation consistent. us C P34 sco Systems tus R quations - th ole 167-7. if these expr	L 1 L1 s, Inc. ressions are pla	er requirement is # 42 consistency_c
Consider chang conservative). Then RINXOMA If it is thought w and the channe that 0.6 dB. Response REJECT. Small difference C/ 168 SC 16 Johnson, John Comment Type It's unnecessary SuggestedRemedy Delete "Even th	ging 15.6 to 15 A can become worthwhile, the el optical return Res ee exists in othe 68.6.1 TR Cc ry to compare w hough the repre- ey are consiste Res	RIN15OMA. discrete reflectances for a loss in Table 168-12 of sponse Status C er clauses, such as clau P33 Broadcom omment Status A with Cl. 139 in footnote esentation of the OMAc ent." from footnote (b).	or 100GBASE-loould be made use 140. <i>L</i> 50 (b).	BR10 in Table 168-14 slightly worse, to spend # [72 bucket_EZ	consisi Suggested Delete differer Response ACCEI See co C/ 168 Ran, Adee Comment Equation anythir It would Suggested	tent doesn't see <i>Remedy</i> the sentence "E th from that in C PT IN PRINCIPL omment #41. <i>SC</i> 168.6.1 <i>Type</i> T ons 168-1 throu ng without the co d be a better se <i>Remedy</i> hese expression	m correct. Even though the rep lause 139, they are <i>Response Statu</i> LE. <i>Comment Statu</i> gh 168-3 are not ec ontext, which is Tab rvice to the reader i	presentation e consistent. <i>us</i> C P34 sco Systems <i>tus</i> R quations - th ole 167-7. if these expl 3, OMA_oute	L 1 L1 s, Inc. ressions are pla	# [42 consistency_d ions that don't mean aced directly in the table.

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/
 168

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC
 168.6.1

 SORT ORDER: Clause, Subclause, page, line
 SC
 168.6.1
 SC

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C/ 168 SC 168.6	5.1 P 34	L1	# 182	C/ 168 SC 168.6.3	P35	L11	# 110
Dawe, Piers	Nvidia			Zimmerman, George	ADI,APLgp,0	Cisco,Marvell,On	Semi,Sony,SenTekse
Comment Type E	Comment Status A		bucket_EZ	Comment Type T	Comment Status R		bucket_E
	ions and abbreviations of words s	should be uprigh	t not italic	The unit for a power good for ratios.	budget can't be dB - power ha	is units - dBm, for	r example dB is only
SuggestedRemedy	right three times			SuggestedRemedy			
Change max to up Response	Response Status C			,	er budget" so it is clear it is a ra	atio, or change ur	nits to reflect a unit of
ACCEPT IN PRING				Response	Response Status Z		
Follow the style ma Implement sugges	anual. ted remedy with editorial license.			REJECT.			
C/ 168 SC 168.6	5.3 P35	L	# <u>269</u>	This comment was V	/ITHDRAWN by the commenter	er.	
Maniloff, Eric	Ciena						
Comment Type T	Comment Status A		technical	Power budget (dB)=	channel insertion loss (dB) + a	allocation for pena	alties (dB)
penalties for 20 & 4 SuggestedRemedy Adjust the penaltie impairments.	D is 3.1/3.9/5.0 ps for 10/20/40kn 40 kms would be ≥ those for 10 k s and corresponding related spec	m. '		SuggestedRemedy	Nvidia <i>Comment Status</i> R right for the wavelengths cond r 6.1); change 10.6 to 10.3 (or		<i>consistency_CL14</i> nent against 168.9
Response	Response Status C			Response	Response Status C		
ACCEPT IN PRIN	CIPLE. n the draft: call for further check (of the penalty va	alues	REJECT.			
C/ 168 SC 168.6		L	# 270		LR PMDs from previous claus	ses.	
Maniloff, Eric	Ciena						
Comment Type E	Comment Status A		technical				
	include values for DGD and MPI allocations for these, which is us						
SuggestedRemedy							
Add a footnote to t	he Penalty aloocations specifying	the values for [DGD and MPI				
Response	Response Status C						
ACCEPT IN PRING	CIPLE.						

C/ 168 SC 168.6.3

Cl 168	SC 168.7.1	P 36	L 1	# 44	C/ 168	SC 1	68.7.1	P 36	L 7	# 45
Ran, Adee		Cisco System	s, Inc.		Ran, Adee			Cisco Systems	, Inc.	
Comment T	ype TR	Comment Status A		consistency_dj	Comment	Туре	Е	Comment Status A		bucket_EZ
		0 is incorrect. It does not inclu			Typo ir	n "Sidn"				
subiciau		ains is the mapping of parame	elers to test pat	erns and related	Suggested. Chang	-				
carried		ne title exists in many previou ause. It has been corrected ir -15.			Response ACCEF	ΡŢ.		Response Status C		
SuggestedF	Remedy				C/ 168	SC ·	68.7.4	P36	L 41	# 90
Change subclau		e 168-10 to "Mapping of para	meters to test p	atterns and related	Mi, Guang	can		Huawei Techn	ologies Co Lt	d
Response	1505.	Response Status C			Comment	Туре	TR	Comment Status A	0 /	consistency_d
ACCEP		2.3 dj, Table 183-13.				clauses as well		pointing out the source of O	MAout data. R	ecommend to add in
	SC 168.7.1	, ·	L 7	# 184	Suggested	Remed	/			
Dawe, Piers		P 36 Nvidia	LT	# 184				ured using waveforms captur 7.5, before the reference equa		it of the reference
Comment T	<i>уре</i> Е	Comment Status A		bucket_EZ	Response			Response Status C		
Sidn	Jama di k						RINCIPLE	medy with editorial license.		
SuggestedF Side	Remeay				C/ 168	SC 1	68.7.4	P 36	L 46	# 73
Response		Response Status C			Johnson, J	lohn		Broadcom		
ACCEP	ΥТ.				Comment	Туре	TR	Comment Status A		consistency_d
C/ 168	SC 168.7.1	P36	L 7	# 65	Add te: definition			erence receiver used to mea	sure OMAoute	r, refering to the
Regev, Alor	n	Keysight			Suggested	Remed	/			
Comment T		Comment Status A		bucket_EZ	Add the	e follow	ing senter	nce to the end of the paragrap	oh:	
sidn" si SuggestedF	hould be "side" Remedy							using waveforms captured a e the reference equalizer."	t the output of	the reference receiver
change	"sidn-mode" to	"side-mode"			Response		*	Response Status C		
Response ACCEP	РТ.	Response Status C			ACCE	⊃T. omment	#90.	· · · ·		

C/ 168 SC 168.7.4

X 168 SC 168.7.4	P 37	L 2	# 185	C/ 168 SC 168.7.5	P 37	L 20	# 91
Dawe, Piers	Nvidia			Mi, Guangcan	Huawei Tech	nologies Co., Ltd	
Comment Type E Blank line(s)?	Comment Status A		bucket_EZ		Comment Status A and other IMDD clauses in		
SuggestedRemedy Remove. Set the figu	re to float.			in CL 121.8.5 and writing "TDECQ, and for 100GB	up has been referencing as only the changes and diffe ASE-DR only, TDECQ – 10	erences. An exam	ple in CL140 is:
esponse ACCEPT.	Response Status C			specified in 140.7.5.2, us	l using the test setup specil sing the measurement meth escribed in 140.7.5.1, with t	nod specified in 12	21.8.5.3, and using a
				what was defined in CL 1 references. For the sake	e content of 168.7.5.1, there 140.7.5 or CL 124.8.5, exce of clarity and consistence, mended to update the sect exceptions.	pt need of update also avoiding mis	es to the table sleading message of
				SuggestedRemedy			
					168.7.5.3,168.7.5.4. make all standard of 802.3 is coh		
				specified in 168.7.5.2, us reference equalizer as de The signaling rate of the pattern specified for TDECQ in T — The combination of th approximately 26.5625 G 53.125 GHz and at frequ 20 dB. Compensation ma Thomson response. — The normalized noise	hin the limits given in I using the test setup specif sing the measurement meth escribed in 168.7.5.1, with t test pattern generator is as	nod specified in 12 the following exce given in Table 1 cilloscope has a sel-Thomson res GHz the respons on from an ideal fo (f) in Equation (1	21.8.5.3, and using a eptions: 68–6 and uses a test 3 dB bandwidth of ponse to at least 1.3 × se should not exceed - purth-order Bessel- 21–9), is equivalent to
				specified in 121.8.5.1, wi	thin the limits given in Table th an optical channel speci 7.5, and using a reference	fied in 168.7.5.2,	using the measureme
				or other format that fits.	.,	,	

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Response

Response Status C

ACCEPT IN PRINCIPLE. Resolve using response to comment #74.

Cl	168	SC	168.7.5		P 37		L 21	# 74
Joł	inson, .	John			Broadco	m		
Cor	nment	Туре	TR	Comme	ent Status A			consistency_d
	of 168 excep	.7.5.1 li tion for should	ists test me the FFE (v	ethod exce which is no	eptions that s t needed bec	hould l cause i	be in 168.7.5.3. t is the same a	ons in 121.8.5. The text 168.7.5.3 has a single s 121.8.5.4). This od exceptions specific to
Sug	gested	Remed	dy					
_	descri Remo	, ptions c ve sub-	of the refer clauses 16	ence recei 68.7.5.1, 1	ver that are u	used in	other test met	cludes improved hod sub-clauses. becomes 168.7.5.1)
			of each lar	ne shall be	within the lin	nits giv	en in Table 168	3-6 if measured using
		ied in 1: e signal						bllowing exceptions: e 168-6 and uses the
	specifi — The	ed for 7				mbinat	ion of the O/E	converter and the
	a 3 dB	• •	idth of app	proximately	y 26.5625 G⊦	Hz with	a fourth-order	Bessel-Thomson
		.3 × 53		and at fre	quencies abo	ove 1.3	8 × 53.125 GHz	, the response should
	–20 dł Thoms	3. Com son	pensation	may be ma	ade for any d	eviatio	n from an ideal	fourth-order Bessel-
				e power de	ensity spectru	um N(f)	is equivalent t	o white noise filtered by
	Besse	l-Thom	son respoi		ith a 3 dB ba en in Table 1		h of 26.5625 G	Hz.
	— The		t measured				d with the equa	izer optimization
	in 121 may b		ternative o	ptimizatior	n methods su	ich as	minimum mear	squared error (MMSE)
		o deter	mine equa	lizer tap w	eights to redu	uce tes	st time, and are	expected to report
	higher sensiti	values vity and	of TDECC d iver sensit			thods	should not be u	sed for receiver
Po	sness			-	se Status C			
nee	•		PRINCIPLE					

C/168 S	C 168.7.5.1	P 38	L 5	# 186	C/ 168	SC 16	8.7.5.3	P38	L 53	# 187
Dawe, Piers		Nvidia			Dawe, Pie	ers		Nvidia		
Comment Type	e E	Comment Status A		consistency_dj	Comment	Туре 1	Г	Comment Status A		consistency_a
		wo clauses is hard to under			More e	exceptions	3			
,		1.8.1 it has been divided in	to two sentences	S.	Suggested	dRemedy				
SuggestedRem Change "G	-	uencies" to "GHz. At freque	encies", here and	l in 168.7.10.	patteri	n specified	for TDE	test pattern generator is as CQ in Table 168–10.		
Response		Response Status C						optical lanes and therefore the tane.		
	N PRINCIPLE.							mbination of the O/E conver		
Resolve us	sing response	to comment #74.						ely 26.5625 GHz with a four		
C/168 S	C 168.7.5.3	P38	L 50	# 46				z. At frequencies above 1.3 sation may be made for any		
Ran, Adee		Cisco System	is, Inc.		Besse	l-Thomsor	n respon	se.]		
Comment Type	ER	Comment Status A		bucket EZ				wer density spectrum, N(f) i ourth-order Bessel-Thomso		
Reference	to 121.8.5.3 is	not a functional link. It sho	uld be formatted	as an external		5625 GHz.		ourth-order bessel-morriso	n response lillei	
reference.					Response			Response Status C		
		erences appear in 168.7.13 i8.8.1, and maybe other pla		68.7.13.3, 168.7.7 (3	ACCE	PT IN PRI		•		
SuggestedRem	nedy				C/ 168	SC 16	8.7.5.4	P39	L 3	# 83
Format all	external refere	ences in forest green text co	olor.		Simms, W	/illiam		NVIDIA		
Response		Response Status C			Comment		=	Comment Status A		bucket Ez
ACCEPT.					strang	e break in	text bet	veen line 3 and 17 with figur	e n the mddle.	_
					Suggested	dRemedy				
					move	figure to a	fter the c	ompleted text		
					Response			Response Status C		
						PT IN PRI				
					Impler	nent suaa	ested rei	nedy with editorial license.		

C/ 168 SC 168.7.5.4

C/ 168 SC 168.7.5.4	P 39	L 3	# 47	C/ 168	SC 168.7.6	P 39	L27	# 92
Ran, Adee	Cisco System	is, Inc.		Mi, Guangcar	ı	Huawei	Technologies Co., L	td
Comment Type E C "5 tap, T spaced" should be (see for example 167.8.6.1			bucket_EZ		Q of each lan	Comment Status A e is measured using the DECQ in 168.7.5, exce		bucket_E is not used."
I am aware that the same te carried over to a new clause		us clauses, but a	an error should not be			in BRx PMDs in each di	rection.	
SuggestedRemedy				SuggestedRe				
Change per comment.					f each lane"			
Response R ACCEPT.	Pesponse Status C			Response ACCEPT.		Response Status C		
	Daa	1.40	# 400	C/ 168	SC 168.7.7	P 39	L 31	# 93
C/ 168 SC 168.7.5.4	P 39	L19	# 188	Mi, Guangcar	ı	Huawei	Technologies Co., L	.td
Dawe, Piers	Nvidia		consistence. OI 1.10	Comment Typ	e ER	Comment Status A		over/under-shoo
Comment Type T C A signal that needed a mair	Comment Status R	oalthily over or	consistency_CL140		ems to be no o the calculation	change from the method	defined in CL 140.	reference to CL 140
troublesome for the receive catches them all, tightening				SuggestedRe	medy			
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85	this limit will make no dif			possible la "The over measured pattern sp	anguage from /under-shoot l using a test pecified for ov	of each lane shall be wi er/under-shoot in Table	thin the limits given	
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85	this limit will make no dif elpful.			possible la "The over measured pattern sp Overshoo (see 151.4 reference	anguage from /under-shoot l using a test becified for ov t and undersh 8.5) and the v equalizer bei	of each lane shall be wi er/under-shoot in Table	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85 Response R REJECT. 0.8 is following clause 140.	this limit will make no dif elpful.			possible la "The over measured pattern sp Overshoo (see 151.4 reference	anguage from /under-shoot l using a test becified for ov t and undersh 8.5) and the v equalizer bei	of each lane shall be wi er/under-shoot in Table noot are measured using vaveform captured for th ng applied in each case	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85 Response R REJECT. 0.8 is following clause 140. See comment #74. Cl 168 SC 168.7.5.4	this limit will make no dif elpful. Pesponse Status C	fference. If it do	besn't catch all of them,	possible la "The over measured pattern sp Overshoo (see 151.4 reference Overshoo <i>Response</i> ACCEPT	Anguage from /under-shoot l using a test pecified for ov t and undersh 8.5) and the v equalizer bei t and undersh IN PRINCIPL	of each lane shall be wi er/under-shoot in Table loot are measured using vaveform captured for th ng applied in each case hoot are calculated using <i>Response Status</i> C E.	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85 Response R REJECT. 0.8 is following clause 140. See comment #74. C/ 168 SC 168.7.5.4 Wienckowski, Natalie	this limit will make no dif elpful. Pesponse Status C	fference. If it do	besn't catch all of them,	possible la "The over measured pattern sp Overshoo (see 151.1 reference Overshoo <i>Response</i> ACCEPT Resolve u	anguage from /under-shoot d using a test becified for ov t and undersh 8.5) and the v equalizer bei t and undersh IN PRINCIPL Issing respons	of each lane shall be wi er/under-shoot in Table toot are measured using vaveform captured for the ng applied in each case toot are calculated using <i>Response Status</i> C E. e to comment #75.	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1 2 the methods in 140	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the 0.7.7."
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85 Response R REJECT. 0.8 is following clause 140. See comment #74. C/ 168 SC 168.7.5.4 Wienckowski, Natalie	this limit will make no dif elpful. Pesponse Status C P39 IVN Solutions Comment Status A	fference. If it do	besn't catch all of them, # [<u>262</u>]	possible la "The over measured pattern sp Overshoo (see 151.1 reference Overshoo <i>Response</i> ACCEPT Resolve u	Anguage from /under-shoot l using a test pecified for ov t and undersh 8.5) and the v equalizer bei t and undersh IN PRINCIPL	of each lane shall be wi er/under-shoot in Table loot are measured using vaveform captured for th ng applied in each case hoot are calculated using <i>Response Status</i> C E.	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85 Response R REJECT. 0.8 is following clause 140. See comment #74. CI 168 SC 168.7.5.4 Wienckowski, Natalie Comment Type E C	this limit will make no dif elpful. Pesponse Status C P39 IVN Solutions Comment Status A	fference. If it do	besn't catch all of them, # [<u>262</u>]	possible la "The over measured pattern sp Overshoo (see 151.1 reference Overshoo <i>Response</i> ACCEPT Resolve u	anguage from /under-shoot d using a test becified for ov t and undersh 8.5) and the v equalizer bei t and undersh IN PRINCIPL Issing respons	of each lane shall be wi er/under-shoot in Table hoot are measured using vaveform captured for th ng applied in each case hoot are calculated using <i>Response Status</i> C E. e to comment #75. P39 Nvidia	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1 2 the methods in 140	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the 0.7.7."
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85 Response R REJECT. 0.8 is following clause 140. See comment #74. Cl 168 SC 168.7.5.4 Wienckowski, Natalie Comment Type E Configures should not be in the	this limit will make no dif elpful. Pesponse Status C P39 IVN Solutions Comment Status A middle of a paragraph	fference. If it do	besn't catch all of them, # [<u>262</u>]	possible la "The over measured pattern sp Overshoo (see 151.1 reference Overshoo Response ACCEPT Resolve u C/ 168 Dawe, Piers Comment Typ	Anguage from /under-shoot d using a test becified for ov t and undersh 8.5) and the v equalizer beit t and undersh IN PRINCIPL using respons SC 168.7.7 De E	of each lane shall be wi er/under-shoot in Table toot are measured using vaveform captured for the ng applied in each case toot are calculated using <i>Response Status</i> C E. e to comment #75. P39 Nvidia <i>Comment Status</i> A	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1 2 the methods in 140	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the 0.7.7."
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85 Response R REJECT. 0.8 is following clause 140. See comment #74. Cl 168 SC 168.7.5.4 Wienckowski, Natalie Comment Type E C figures should not be in the SuggestedRemedy Move Figure 168-5 after the	this limit will make no dif elpful. Pesponse Status C P39 IVN Solutions Comment Status A middle of a paragraph	fference. If it do	besn't catch all of them, # [<u>262</u>]	possible la "The over measured pattern sp Overshoo (see 151.1 reference Overshoo Response ACCEPT Resolve u C/ 168 Dawe, Piers Comment Typ	Anguage from /under-shoot d using a test becified for ov t and undersh 8.5) and the v equalizer beit t and undersh IN PRINCIPL using respons SC 168.7.7 De E	of each lane shall be wi er/under-shoot in Table hoot are measured using vaveform captured for th ng applied in each case hoot are calculated using <i>Response Status</i> C E. e to comment #75. P39 Nvidia	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1 2 the methods in 140	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the 0.7.7." # 189
catches them all, tightening tightening this limit will be h SuggestedRemedy Change 0.8 to 0.85 Response R REJECT. 0.8 is following clause 140. See comment #74. Cl 168 SC 168.7.5.4 Wienckowski, Natalie Comment Type E C figures should not be in the SuggestedRemedy Move Figure 168-5 after the	this limit will make no dif elpful. Pesponse Status C P39 IVN Solutions Comment Status A middle of a paragraph e paragraph text.	fference. If it do	besn't catch all of them, # [<u>262</u>]	possible la "The over measured pattern sp Overshoo (see 151.1 reference Overshoo <i>Response</i> ACCEPT Resolve u <i>Cl</i> 168 Dawe, Piers <i>Comment Typ</i> There is c <i>SuggestedRe</i>	Anguage from /under-shoot t using a test becified for ov t and undersh 8.5) and the v equalizer bei t and undersh IN PRINCIPL using respons SC 168.7.7 be E ponly one limit f	of each lane shall be wi er/under-shoot in Table toot are measured using vaveform captured for the ng applied in each case toot are calculated using <i>Response Status</i> C E. e to comment #75. P39 Nvidia <i>Comment Status</i> A	thin the limits given 151–11. 1 the waveform capt e TECQ test (see 1 2 the methods in 140	in Table 151–7 if ured for the TDECQ test 51.8.6), but without the 0.7.7." # 189

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SC 168.7.7 2025/7/8 10:02:06 SORT ORDER: Clause, Subclause, page, line

	SC 168.7.7	P 39	L37	# 75	C/ 168	SC 168.7.10	P 40	L 36	# 190
Johnson, J	John	Broadcom			Dawe, Piers	6	Nvidia		
Comment	Type TR	Comment Status A		over/under-shoot	Comment T	ype E	Comment Status A		bucket_E2
	xt to clarify the re finitions in 168.7	eference receiver used to mea .5.	asure TX over/ur	ndershoot, refering to			or this in the table		
Suggested	-				SuggestedF Change	e limits to limit			
	t the output of th	ne reference equalizer being a ne reference receiver defined i			Response ACCEP	Т.	Response Status C		
Response		Response Status C			C/ 168	SC 168.7.10	P 40	L 41	# 78
ACCEI	PT.							L 4 1	# 70
7 168	SC 168.7.8	P 40	L 17	# 76	Johnson, Jo Comment T		Broadcom Comment Status A		consistency a
lohnson, J		Broadcom					is previously defined in 168	.7.5. so it can be re	2=
Comment		Comment Status A		consistency_dj		ng it in this clau	. ,	- ,	
		eference receiver used to mea	asure TX power		SuggestedF	Remedy			
the def	finitions in 168.7	.5.		, Ç		he following tex			
uggested	Remedy						an O/E converter and oscillo 25 GHz with a fourth-order E		
Replac	ce "but without th	ne reference equalizer being a	pplied."			,	equencies above 1.3 × 53.1		
with "a	t the output of th	e reference receiver defined i		e the reference			hay be made for any deviati		
	zor "								ullin-older Dessei-
equaliz	201.				Thomso	n response."	, ,		unth-order bessel-
equaliz Response	201.	Response Status C			Thomso Replace	on response." e with the follow	ng text:		
		Response Status C			Thomso Replace "The tra	on response." e with the follow insmitter transiti	ng text: on time is measured using v	waveforms capture	d at the output of the
Response ACCEI	PT.		1.20		Thomso Replace "The tra reference	on response." e with the follow insmitter transiti	ng text: on time is measured using v ed in 168.7.5, before the re	waveforms capture	d at the output of the
Response ACCEI	PT. SC 168.7.9	P 40	L 32	# 77	Thomso Replace "The tra reference <i>Response</i>	on response." e with the follow insmitter transiti ce receiver defir	ng text: on time is measured using v	waveforms capture	d at the output of the
Response ACCEI C/ 168 Johnson, J	PT. SC 168.7.9 John	P 40 Broadcom	L 32		Thomso Replace "The tra reference	on response." e with the follow insmitter transiti ce receiver defir	ng text: on time is measured using v ed in 168.7.5, before the re	waveforms capture	d at the output of the
Response ACCEI 2/ 168 Iohnson, J Comment	PT. SC 168.7.9 John <i>Type</i> TR	P 40 Broadcom Comment Status A		consistency_dj	Thomso Replace "The tra reference <i>Response</i>	on response." e with the follow insmitter transiti ce receiver defir	ng text: on time is measured using v ed in 168.7.5, before the re	waveforms capture	d at the output of the
Response ACCEI C/ 168 Iohnson, J Comment Add te	PT. SC 168.7.9 John <i>Type</i> TR xt to clarify the re	P 40 Broadcom		consistency_dj	Thomso Replace "The tra reference <i>Response</i> ACCEP	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C	waveforms capture ference equalizer.'	d at the output of the
Response ACCEI C/ 168 Johnson, J Comment Add te definiti	PT. SC 168.7.9 John <i>Type</i> TR xt to clarify the m ons in 168.7.5.	P 40 Broadcom Comment Status A		consistency_dj	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>Cl</i> 168	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C	waveforms capture ference equalizer.' <i>L</i> 51	d at the output of the
Response ACCEI Cl 168 Johnson, J Comment Add te definiti Suggested	PT. SC 168.7.9 John Type TR xt to clarify the r ons in 168.7.5. IRemedy	P 40 Broadcom <i>Comment Status</i> A eference receiver used to mea		consistency_dj	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guangc <i>Comment T</i> 802.3 d	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an ype TR j has extensivel	ng text: on time is measured using v ed in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tecl <i>Comment Status</i> A y discussed the definition of	waveforms capture ference equalizer.' <i>L</i> 51 hnologies Co., Ltd RINxOMA. Conse	d at the output of the # 94 <i>consistency_a</i> nsus were made to
Response ACCEI Di 168 Johnson, J Comment Add te definiti Suggested Add th	PT. SC 168.7.9 John Type TR xt to clarify the roons in 168.7.5. IRemedy e following to the	P40 Broadcom <i>Comment Status</i> A eference receiver used to mea e end of the paragraph:	asure extinction i	<i>consistency_dj</i> ratio, refering to the	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guangc <i>Comment T</i> 802.3 d update	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an type TR j has extensivel the definition of	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tech <i>Comment Status</i> A y discussed the definition of RINxOMA which better des	waveforms capture ference equalizer.' <i>L</i> 51 hnologies Co., Ltd ^r RINxOMA. Conse cribes the actual b	d at the output of the # 94 <i>consistency_a</i> nsus were made to ehaviour and aligns
Response ACCEI Iohnson, J Comment Add te definiti Suggested Add th "The e	PT. SC 168.7.9 John Type TR xt to clarify the mons in 168.7.5. <i>Remedy</i> e following to the xtinction ratio is	P 40 Broadcom <i>Comment Status</i> A eference receiver used to mea	asure extinction i aptured at the ou	<i>consistency_dj</i> ratio, refering to the	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guangc <i>Comment T</i> 802.3 d update with what	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an type TR j has extensivel the definition of at is being used	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tech <i>Comment Status</i> A y discussed the definition of RINxOMA which better des in the field. Related contrib	waveforms capture ference equalizer.' <i>L</i> 51 hnologies Co., Ltd ^r RINxOMA. Conse cribes the actual b ution from Ahmad	d at the output of the # 94 <i>consistency_a</i> nsus were made to ehaviour and aligns
Response ACCEI Johnson, J Comment Add te definiti Suggested Add th "The e	PT. SC 168.7.9 John Type TR xt to clarify the mons in 168.7.5. <i>Remedy</i> e following to the xtinction ratio is	P40 Broadcom <i>Comment Status</i> A eference receiver used to mea e end of the paragraph: measured using waveforms ca	asure extinction i aptured at the ou	<i>consistency_dj</i> ratio, refering to the	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guangc <i>Comment T</i> 802.3 d update with wh. https://v	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an ype TR j has extensivel the definition of at is being used yww.ieee802.or	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tech <i>Comment Status</i> A y discussed the definition of RINxOMA which better des	waveforms capture ference equalizer.' <i>L</i> 51 hnologies Co., Ltd ^r RINxOMA. Conse cribes the actual b ution from Ahmad	d at the output of the # 94 <i>consistency_a</i> nsus were made to ehaviour and aligns
Response ACCEI 2/ 168 lohnson, J Comment Add te definiti Suggested Add th "The e receive	PT. SC 168.7.9 John Type TR xt to clarify the roons in 168.7.5. <i>IRemedy</i> e following to the xtinction ratio is er defined in 168	P40 Broadcom <i>Comment Status</i> A eference receiver used to mea e end of the paragraph: measured using waveforms co .7.5, before the reference equ	asure extinction i aptured at the ou	<i>consistency_dj</i> ratio, refering to the	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guango <i>Comment T</i> 802.3 d update with what https://v <i>SuggestedF</i>	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an ype TR j has extensivel the definition of at is being used www.ieee802.or Remedy	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tech <i>Comment Status</i> A y discussed the definition of RINxOMA which better des in the field. Related contrib g/3/dj/public/24_09/chayeb_	waveforms capture ference equalizer.' <i>L</i> 51 hnologies Co., Ltd ^r RINxOMA. Conse cribes the actual b ution from Ahmad	d at the output of the # 94 <i>consistency_a</i> nsus were made to ehaviour and aligns
Response ACCEI Of 168 Johnson, J Comment Add te definiti Suggested Add th "The e receive Response	PT. SC 168.7.9 John Type TR xt to clarify the roons in 168.7.5. <i>IRemedy</i> e following to the xtinction ratio is er defined in 168	P40 Broadcom <i>Comment Status</i> A eference receiver used to mea e end of the paragraph: measured using waveforms co .7.5, before the reference equ	asure extinction i aptured at the ou	<i>consistency_dj</i> ratio, refering to the	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guangc <i>Comment T</i> 802.3 d update with what https://v <i>SuggestedF</i> align to	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an ype TR j has extensivel the definition of at is being used yww.ieee802.or	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tech <i>Comment Status</i> A / discussed the definition of RINxOMA which better des in the field. Related contrib g/3/dj/public/24_09/chayeb_	waveforms capture ference equalizer.' <i>L</i> 51 hnologies Co., Ltd ^r RINxOMA. Conse cribes the actual b ution from Ahmad	d at the output of the # 94 <i>consistency_c</i> nsus were made to ehaviour and aligns
Response ACCEI Of 168 Johnson, J Comment Add te definiti Suggested Add th "The e receive Response	PT. SC 168.7.9 John Type TR xt to clarify the roons in 168.7.5. <i>IRemedy</i> e following to the xtinction ratio is er defined in 168	P40 Broadcom <i>Comment Status</i> A eference receiver used to mea e end of the paragraph: measured using waveforms co .7.5, before the reference equ	asure extinction i aptured at the ou	<i>consistency_dj</i> ratio, refering to the	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guangc <i>Comment T</i> 802.3 d update with wh https://w <i>SuggestedF</i> align to <i>Response</i>	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an ype TR j has extensivel the definition of at is being used yww.ieee802.org Remedy what is defined	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tecl <i>Comment Status</i> A y discussed the definition of RINxOMA which better des in the field. Related contrib g/3/dj/public/24_09/chayeb_ in dj. <i>Response Status</i> C	waveforms capture ference equalizer.' <i>L</i> 51 hnologies Co., Ltd ^r RINxOMA. Conse cribes the actual b ution from Ahmad	d at the output of the # 94 <i>consistency_c</i> nsus were made to ehaviour and aligns
Response ACCEI Of 168 Johnson, J Comment Add te definiti Suggested Add th "The e receive Response	PT. SC 168.7.9 John Type TR xt to clarify the roons in 168.7.5. <i>IRemedy</i> e following to the xtinction ratio is er defined in 168	P40 Broadcom <i>Comment Status</i> A eference receiver used to mea e end of the paragraph: measured using waveforms co .7.5, before the reference equ	asure extinction i aptured at the ou	<i>consistency_dj</i> ratio, refering to the	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guangc <i>Comment T</i> 802.3 d update with what https://v <i>SuggestedF</i> align to <i>Response</i> ACCEP The RIM	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an ype TR j has extensivel the definition of at is being used www.ieee802.or Remedy what is defined T IN PRINCIPL JxOMA definitio	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tecl <i>Comment Status</i> A y discussed the definition of RINxOMA which better des in the field. Related contrib g/3/dj/public/24_09/chayeb_ in dj. <i>Response Status</i> C	waveforms capture ference equalizer." <i>L</i> 51 hnologies Co., Ltd RINxOMA. Conse cribes the actual b ution from Ahmad 3dj_01_2409.pdf	d at the output of the # 94 <i>consistency_c</i> nsus were made to ehaviour and aligns
Response ACCEI C/ 168 Johnson, J Comment Add te definiti Suggested Add th "The e receive Response ACCEI	PT. SC 168.7.9 John Type TR xt to clarify the ro ons in 168.7.5. <i>IRemedy</i> e following to the xtinction ratio is er defined in 168 PT.	P40 Broadcom <i>Comment Status</i> A eference receiver used to mea e end of the paragraph: measured using waveforms co .7.5, before the reference equ	asure extinction i aptured at the or ializer."	<i>consistency_dj</i> ratio, refering to the utput of the reference	Thomso Replace "The tra reference <i>Response</i> ACCEP <i>CI</i> 168 Mi, Guango <i>Comment T</i> 802.3 d update with what https://v <i>SuggestedF</i> align to <i>Response</i> ACCEP	on response." e with the follow insmitter transiti ce receiver defir T. SC 168.7.11 an ype TR j has extensivel the definition of at is being used www.ieee802.or Remedy what is defined T IN PRINCIPL JxOMA definitio	ng text: on time is measured using v led in 168.7.5, before the re <i>Response Status</i> C <i>P</i> 40 Huawei Tech <i>Comment Status</i> A / discussed the definition of RINxOMA which better des in the field. Related contrib g/3/dj/public/24_09/chayeb_ in dj. <i>Response Status</i> C E. n in dj D1.5 could be used a	waveforms capture ference equalizer." <i>L</i> 51 hnologies Co., Ltd rRINxOMA. Conse cribes the actual b ution from Ahmad 3dj_01_2409.pdf	d at the output of the # 94 <i>consistency_c</i> nsus were made to ehaviour and aligns

SORT ORDER: Clause, Subclause, page, line

Manualiza Matanta	P 40	L 53	# 19	C/ 168 SC 1	68.7.12	P 41	L	# 218
Maguire, Valerie	Copperopolis	(aff'l w/ CME Co	onsulting and Cisco)	Dudek, Mike		Marvell		
Comment Type E	Comment Status R		consistency_CL140	Comment Type	т	Comment Status A		ref_receiver
0	ate sentence structure than a "s	shall" statement.		In Figure 168-6 deleted.	"meets equ	ation constraints" needs to	o be below all t	he lines or it needs to be
SuggestedRemedy Replace, "RIN shall be	e as defined" with, "RIN is defin	ied "		SuggestedRemedy				
Response	Response Status C			Fix it	_	_		
REJECT. The "shall" is associate	ed with PICS specified in 168.1	12.4.6, Item M1.		Response ACCEPT. See comment :		Response Status C		
C/ 168 SC 168.7.11	P 40	L 53	# 191		-	5.4		" [= .
Dawe, Piers	Nvidia				68.7.12	P 41	L 7	# 51
Comment Type T	Comment Status A		consistency_dj	Ran, Adee		Cisco Systems	s, Inc.	
	measured with the optical pow ne scope method described in F			Comment Type Figure 168-6 is		<i>Comment Status</i> A th poor quality.		ref_receiver
literature). This has th	ne advantage that RIN can be c			SuggestedRemedy				
measurement. SuggestedRemedy				Replace the fig	ure with an	SVG one.		
180.9.11, adjusting for	d of P802.3dj, replace the cont r the optical return loss(es) and ge "Square wave" to "4 or 6".			Response ACCEPT IN PF See comment a	RINCIPLE.	Response Status C		
Response	Response Status C			C/ 168 SC 1	68.7.12	P 41	L 8	# 192
ACCEPT IN PRINCIPI See comment #94.	∟E.			Dawe, Piers		Nvidia		
See comment #94.				Comment Type	E	Comment Status A		ref_receive
	P 41	L 3	# 48	This figure is a	bitmap; gre	y and unclear		
C/ 168 SC 168.7.11		s Inc		SuggestedRemedy				
	Cisco Systems	0, 110.		Suuuesieunemeuv				
Ran, Adee <i>Comment Type</i> T The signaling rate is 5	Cisco Systems <i>Comment Status</i> A 3.125 GBd, so the number sho		<i>consistency_dj</i> GHz, not 53.2.	Insert the figure Use black font;	e the proper	way so it appears as a "ve	ector graphic" i	n the pdf;
Ran, Adee <i>Comment Type</i> T The signaling rate is 5 <i>SuggestedRemedy</i>	Comment Status A 3.125 GBd, so the number sho		<i>i</i> = <i>i</i>	Insert the figure	e the proper black.		ector graphic" i	n the pdf;
Ran, Adee Comment Type T The signaling rate is 5 SuggestedRemedy Change per comment.	Comment Status A 3.125 GBd, so the number sho		<i>i</i> = <i>i</i>	Insert the figure Use black font; Make the axes	e the proper black. <i>F</i>	way so it appears as a "ve Response Status C	ector graphic" ii	n the pdf;
Ran, Adee Comment Type T The signaling rate is 5 SuggestedRemedy Change per comment. Response	Comment Status A 3.125 GBd, so the number sho Response Status C		<i>i</i> = <i>i</i>	Insert the figure Use black font; Make the axes Response	e the proper black. F RINCIPLE.		ector graphic" i	n the pdf;
Ran, Adee Comment Type T The signaling rate is 5 SuggestedRemedy Change per comment. Response ACCEPT IN PRINCIPI	Comment Status A 3.125 GBd, so the number sho Response Status C		<i>i</i> = <i>i</i>	Insert the figure Use black font; Make the axes Response ACCEPT IN PF	e the proper black. F RINCIPLE.		ector graphic" ii	n the pdf;

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 168.7.12 Page 45 of 53 2025/7/8 10:02:06

C/ 168	SC	168.7.12	P 41	L 9	# 193
Dawe, Piers	5		Nvidia		
Comment Ty y axis ca		E optimised	Comment Status A		ref_receiver
SuggestedR Change		-	-18 to 0) to (-15 to -3)		
Response ACCEP See con		PRINCIPLE	Response Status C		
C/ 168	SC	168.7.12	P 41	L15	# 111
Zimmerman	, Geo	rge	ADI,APLgp,C	sco,Marvell,OnS	Semi,Sony,SenTekse
Comment Ty	ype	т	Comment Status A		ref_receiver
of the lir don't kn SuggestedR See con	ne 1 ow we Remea nment er mor	The equation I enough <i>ly</i> t. Adjust lo	abels, each indicating which ons need more words to des what you meant to write a go cation of "Meets equation co ory words and converting the	cribe the measure ood solution. onstraints" so that	rement. I'm sorry, but l at it meets all 3 lines.
Response			Response Status C		
Follow t	reatm		3dj CL183.9.12. medy with editorial license.		
C/ 168	SC	168.7.12	P 41	L15	# 52
Ran, Adee			Cisco System	s, Inc.	
	əl "Me		Comment Status A on constraints" appears betw ines, which is incorrect.	veen curves. It si	<i>ref_receivel</i> uggests that the allowed
SuggestedR					
Move th	e labe	el below the	e bottom line.		
Response			Response Status C		
ACCEP	T IN F	RINCIPLE			

ACCEPT IN PRINCIPLE. See comment #111.

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

168 SC 168.7.12 P**41** L32 # 49 an, Adee Cisco Systems, Inc. mment Type E Comment Status A ref receiver Cross-reference to equation 168-4 is not active. Similarly for equations 168-5 and 168-6 in the subsequent paragraphs. uggestedRemedy Make the cross-references active. sponse Response Status C ACCEPT IN PRINCIPLE. Implement suggested remedy with editorial license. 168 SC 168.7.12 P**41** L32 # 84 mms, William **NVIDIA** mment Type E Comment Status A ref receiver The Figure 168-6 has an x-axis of TECQ but the test below the figure references SECQ. Line 32, 35, and 38 ggestedRemedy Not sure if this is an error sponse Response Status C ACCEPT IN PRINCIPLE. See comment #111. 168 SC 168.7.12 P**41** L37 # 194 awe, Piers Nvidia omment Type E Comment Status A ref_receiver 100GBASE-BR10 ggestedRemedy 100GBASE-BR10 Response Status C sponse ACCEPT IN PRINCIPLE. See comment #111.

Cl	168
SC	168.7.12

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C/ 168	SC 168.7.12	P 41	L 40	# 50	C/ 168	SC 168.7.13	P 42	L 1	# 79
Ran, Adee)	Cisco System	s, Inc.		Johnson, J	John	Broadcom		
Comment	Type TR	Comment Status A		ref_receiver	Comment	Type TR	Comment Status A		consistency_d
receive		n 168-5 have equal signs and not need to be equal to a va				ressed receiver s d specified in 12	ensitivity test method in 1 1.8.10.	68.7.13 needless	y reiterates the test
	,	ne ligule.			Suggestea	Remedy			
Suggested Either RS.	,	ion to have a "lower than" va	lue, or define th	e term as the maximum	with a	short list of exce	method of 802.3dj D1.5, ptions. Replace the entire	ty of 168.7.13 with	the following text:
	PT IN PRINCIPLE	Response Status C			measu metho — The	red using the d defined in 121. SECQ of the st	itivity of each lane shall be 8.10 with the following exc essed receiver conformar	ceptions:	
C/ 168	SC 168.7.12	P 41	L 40	# 195		5, except e test fiber is not	used. The transition time	of the stressed rea	ceiver conformance test
Dawe, Pier	rs	Nvidia			signal				
Comment Units s	<i>Type</i> E should be upright r	Comment Status A		ref_receiver	— Witl turned	h the Gaussian r off, the	ue specified in Table 168- oise generator on and the	sinusoidal jitter a	
Suggested Per co	<i>Remedy</i> mment				6.		est source should be no g f the test pattern generato		lue specified in Table 168- n ratio of the E/O
	PT IN PRINCIPLE omment #111.	Response Status C			given i — The Stress	e required values ed eye e for PAM4 (SEC n	sing test patterns specified of the "Stressed receiver CQ), lane under test" and "	sensitivity (OMAo	
					Response ACCE	PT.	Response Status C		

C/ 168 SC 168.7.13

C/ 168	SC 168.7.13	P 42	L38	# 196	C/ 168	SC 168.7.13	P 42	L 44	# 199
Dawe. Pie		Nvidia	200	100	Dawe. Pier		Nvidia		100
Comment In this confo signal suppo Suggester Try to Response ACCE	<i>Type</i> E s section we have: o rmance signal, opti l, input signal, signa osed to use the san <i>dRemedy</i> o clean this up, as m	Comment Status A conformance test signal, sig cal test signal, stressed receiver cor ne name for a thing, every tim nuch as is reasonable. Response Status C	eiver conforman formance input	ce test signal, test signal. We are	Comment T While it Suggested Add tey should same g Response ACCEF	<i>Type</i> T t should be obvio <i>Remedy</i> kt saying that the be operational w joes for transmitt	Comment Status A us PMD's transmitter and any o hen stressed sensitivity (and er measurements such as T Response Status C	l regular sensitiv	/ity) is measured. The
Cl 168 Dawe, Pie	SC 168.7.13 ers	P 42 Nvidia Comment Status A	L 39	# 197	See co C/ 168 Wienckows	mment #79. SC 168.7.13.1 ski, Natalie	P 42 IVN Solutions	L35 5 LLC	# 263
"SRS Suggester Spell Response ACCE	" is not explained. <i>dRemedy</i> it out each time	It is used only three times. Response Status C			Suggested	168-7 is part of 1 Re <i>medy</i> Figure 168-7 after	Comment Status A 68.7.13.1, not 168.7.13. the first paragraph of 168.7 Response Status C	.13.1.	bucket_E
<i>Cl</i> 168 Dawe, Pie	SC 168.7.13	P 42 Nvidia	L 42	# 198	C/ 168 Dawe, Pier	SC 168.7.13.1	P 43 Nvidia	L 2	# 200
text to Fig 16 Suggeste Expla Response ACCE	says "The reflectand o tell the reader wha 58-7. <i>dRemedy</i> in this fully or delete	Response Status C			Response ACCEF		Response Status C		bucket_E2

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 168.7.13.1 Page 48 of 53 2025/7/8 10:02:06

	3.3 P43	L 33	# 201	C/ 168	SC 168.8.2	P 44	L17	# 204
Dawe, Piers	Nvidia			Dawe. Piers		Nvidia		
Comment Type E Now that we have a d SuggestedRemedy	Comment Status A efinition of TECQ, this can be according to 168.7.5, except t	,	<i>consistency_dj</i> is not used" to "is	Comment Typ Most sect A host sys may emit	ions like this stem that fails laser radiatio se, the host r	Comment Status A have a footnote: to meet the manufacturer's re n in excess of the safety limits nanufacturer is required to obt	of one or more	safety standards. In
Response ACCEPT IN PRINCIF See comment #79.	Response Status C LE.			If this foot Response	note is requir	Response Status C		
C/ 168 SC 168.7.1	3.3 P43	L 41	# 202	Implemen	t suggested r	emedy with editorial license.		
the limits of the stand SuggestedRemedy	Comment Status A The word may is used to indic ard (may equals is permitted to sed may result" to "under-stres Response Status C LE.	o).		Simms, Willia Comment Typ another b SuggestedRe move tabl Response ACCEPT.	e E reak in text fo <i>medy</i> e after text	Response Status C	L17	# <u>85</u> bucket_E2
Cl 168 SC 168.8.1 Dawe, Piers Comment Type E Links to be made by s SuggestedRemedy Should be forest gree Response ACCEPT.		L3	# 203 bucket_EZ	Wienckowski, Comment Typ tables sho SuggestedRe	be E buld not be in <i>medy</i> ble 168-12 aft	P45 IVN Solutions <i>Comment Status</i> A the middle of a paragraph er the paragraph text. <i>Response Status</i> C	L19 LLC	# <u>264</u> bucket_EZ

C/ 168 SC 168.9

Cl 168	SC 168.9	P 45	L 26	# 205	C/ 168	SC 168.9	P 45	L 36	# 206
Dawe, Pier	S	Nvidia			Dawe, Pie	rs	Nvidia		
Comment T	Гуре Т	Comment Status R		consistency_CL140	Comment	Туре Т	Comment Status R		bucket(quick review)
		3 at 1310 nm. 10GBASE-BR			This gi	ives the disper	sion ranges for the upstream dir	ection only	
		0GBASE-BR10, also 1260 n 1303.6 nm so the same cabl			Suggested	IRemedy			
the cha	annel insertion lo	ss using the link model, it's 6			Add tw	o more rows fo	or the dispersion ranges for the	downstream d	irection.
	303.6 nm				Response		Response Status C		
Suggested	-				REJEC	CT.			
Change 10.4).	e 6.3 to 6 (or 6.1). Change the budget for 10	GBASE-BR10	from 10.6 to 10.3 (or		spersion cover s simplification	s both directions. .)		
Response	_	Response Status C			C/ 168	SC 168.9	P 45	L 44	# 207
REJEC Keen o		R PMDs in previous clauses.			Dawe, Pie	rs	Nvidia		
··		•			Comment	Туре Т	Comment Status A		bucket_EZ
C/ 168	SC 168.9	P 45	L 30	# 271	Other	clauses have c	changed to the IEC definition		
Maniloff, E		Ciena			Suggested	IRemedy			
Comment T	51	Comment Status A		consistency_dj			IA-526-7/method A-1" to "the IE	C 61280-4-2 o	ne-cord reference
		ical analysis is being used to in G.652 Appendix I. The do			metho				
used to	arrive at the CI	0 values. 802.3dj currently in	cludes the follow	ving text: "The	Response		Response Status C		
	ion specificatior REC G.652, App	is are based on the statistica	l link design me	thodology documented in	ACCE	PT.			
Suggested	· · · ·				C/ 168	SC 168.10	P 46	L1	# 208
00		D values in Table168-12 indi	cating the meth	od used to calculate the	Dawe, Pie	rs	Nvidia		
	ion values.		5		Comment	Туре Е	Comment Status A		bucket_EZ
Response		Response Status C			Table	168-12 contain	is numbers not definitions		
	PT IN PRINCIPL	E.			Suggested	IRemedy			
Add to	footnote b:	cations are based on the stat	istical link desig	n methodology	Chang	e "defined in" t	to "given in" or "of"		
"The di			istical mill desig	in meanodology	Response		Response Status C		
docum	ented in REC G.652, App								

C/ 168 SC 168.10 Page 50 of 53 2025/7/8 10:02:06

Cl 168	SC 168.10	P 46	L 9	# 209	C/ 168	SC 168.11	P 4 7	L39	# 211
Dawe, Pier	S	Nvidia			Dawe, Pier	S	Nvidia	I	
Comment 7	Гуре Е	Comment Status A		bucket_EZ	Comment	Туре Е	Comment Status	Α	interoperation
		or type G.657.A2 (bend insen	sitive) fibers or t	he requirements in			for interoperation betw esn't say "Requiremen		PMDs" other similar
Suggestedl	comma, as in 15	51 11 1.			Suggested	Remedy			
	,	or type G.657.A2 (bend insen	sitive) fibers, or	the requirements in	Delete	"Requirements	for" here and in the tal	ble title.	
Response		Response Status C			Response		Response Status	с	
ACCEF	PT.				ACCE	PT.	·		
C/ 168 Dawe, Pier Comment 1	Type E	P 46 Nvidia Comment Status A	L26	# 210 bucket_EZ(quick review)	"Intero Chang "Chanr BR40".	peration betwee e the table title onel characteristic	title of 168.11 into: n 100GBASE-BRx PM of Table 168–15 into: cs for interoperation be specify the maximum d	etween 100GBASE-BF	
	100GBASE-BR	tion 10 km for 100GBASE-BF 40.	K 10, 20 KIII 10I	00GDASE-DR20 01 40	C/ 168	SC 168.11	P 4 7		# 219
Suggestedl	Remedy						۲ <i>۹۲</i> Marve		# 219
		tion *at* 10 km for 100GBAS	E-BR10, 20 km	for 100GBASE-BR20 or	Dudek, Mik Comment		Comment Status		interoperation
40 km 1	for 100GBASE-								re can't be different loss
Response ACCEF	PT.	Response Status C			specs t betwee	for the two direc	tions. To be complia 40 would have to be r	nt in both directions it	appears that the loss dB which is a very small
C/ 168	SC 168.11	P 47	L 39	# 212	Suggested	•			
Dawe, Pier	S	Nvidia			00		in Table 168-15 into o	ne row. With min loss	of 8.3dB and max loss of
Comment 7	Гуре Т	Comment Status R		interoperation	10dB				
		to introduce the table, which s			Response		Response Status	С	
dispers	ion limits of the	R10. Presumably the mixed shorter-reach PMD.	link has to stay	within the chromatic		PT IN PRINCIPL mment #130.	.E.		
Suggested	-				C/ 168	SC 168.12.1	P48	3 L14	# 213
	ning like: Interoperation b	between 100GBASE-BRx PM	IDs		Dawe, Pier		Nvidia		
The 10	0GBASE-BR20	and 100GBASE-BR40 PMD	s can interopera	`	Comment		Comment Status		bucket EZ
		ovided that the fiber optic cab able 168-12 are met, with the				o be made by st			
minimu	im channel inse	rtion loss values, which are g	iven in Table 10	68-15 for the two link	Suggested	Remedv			
		Attenuators may be used to a 100GBASE-BR10 and 1000			00		. Also at like 47		
		tever the case is).			Response	Ū	Response Status	c	
esponse		Response Status C			ACCE	PT.		-	
REJEC See co	CT. mment #130.								
OMMENT	STATUS: D/dis			d T/technical E/editorial G/g NSE STATUS: O/open W/writ		U/unsatisfied Z	/withdrawn	C/ 168 SC 168.12.1	Page 51 of 53 2025/7/8 10:02:

C/ 168	SC 168.12.1	P 48	L 28	# 214	C/ 168 SC 168.12.	3 P49	L 28	# 109
Dawe, Pier	s	Nvidia			Zimmerman, George	ADI,APLgp	,Cisco,Marvell,C	nSemi,Sony,SenTekse
Comment 1	Гуре Е	Comment Status A		bucket_EZ	Comment Type T	Comment Status R		consistency_c
Blank s	sub-row?				,	section of the PICS, not a ca ed out in their own table.	apability or optior	. These are requiremetns
Suggestedi	-				SuggestedRemedy			
Remov	e. Also in 168.12	.3, twice				68.12.3, add new section 16	8 12 4 1 Delav a	nd skew specifications
Response ACCEF	PT.	Response Status C			and renumber subsec	quent PICS statements. Go is one-by-one to populate (thi	through 168.3 ar	nd call out the delay
C/ 168	SC 168.12.3	P 49	L 13	# 215	Response	Response Status C		
Dawe, Pier	s	Nvidia			REJECT.			
Comment 7	Гуре Е	Comment Status A		bucket_EZ	Keep consistent with	802.3cp.		
The ON	NU silent start ap	plies to the U PHYs but not the	D PHYs		C/ Content SC Conten	nts P12	LO	# 133
Suggestedl	Remedy				Dawe, Piers	Nvidia		
Create	major options for	U and D. Status of F12 ONU s	ilent start be	comes U:M	Comment Type E	Comment Status A		bucket_E
Response		Response Status C			Contents is missing			
ACCEF	РТ.				SuggestedRemedy			
C/ 168	SC 168.12.3	P 49	L15	# 104	Add Contents			
Slavick, Je	ff	Broadcom			Response	Response Status C		
Comment 7 INS is 1	51	<i>Comment Status</i> A onal in 168.12.4.8 so it needs a	*	bucket_EZ	ACCEPT. See comment #258.			
Suggested	Remedy				C/ Introduc SC Introdu	iction P8	L 4	# 56
00		e item column in 168.12.3			Regev, Alon	Keysight		
Response ACCEPT.		Response Status C			Comment Type E "802.3xx" should be "	Comment Status A '802.3dk"		bucket_E2
, COL					SuggestedRemedy "802.3xx" should be "	'802.3dk"		
					Response ACCEPT.	Response Status C		

C/ Introduc SC Introduction

C/ Introduc SC Introduction	on P8	L 31	# 55
Regev, Alon	Keysight		
Comment Type E "802.3xx" should be "802			bucket_EZ
SuggestedRemedy "802.3xx" should be "802	2.3dk"		
Response ACCEPT. See comment #27.	Response Status C		
C/ Particip SC Participan	ts P7	L 4	# 54
Regev, Alon	Keysight		
Comment Type E "P802.3xx" should be "P			bucket_EZ
SuggestedRemedy change "P802.3xx" to "P	802.3dk"		
Response	Response Status C		

C/ Particip SC Participants