Cl 45	SC 45.2.1.8.1	P 29	L 22	# 1	C/ 45	SC	45.2.1.27t	P32	L 18	# 4
Anslow, P	ete	Independent			Anslow, F	Pete		Independent		
Comment	Туре Е	Comment Status D		EZ	Commen	t Type	ER	Comment Status A		
The o type i	rder of entries in ⁻ n each row.	Table 45-12 above 10G is by	speed and ther	reach for the first PHY	The t 45 re	itle of Ta gisters.	able 45-311	o should contain the name o	of the register as	per the rest of Clause
Suggeste	dRemedy				Suggeste	dReme	dy			
Move row fo	the row for 25GB or 25GBASE-LR a	ASE-BR10, 25GBASE-BR20 Ind 25GBASE-ER.	, and 25GBASE	E-BR40 to be after the	Chan defini	ge the t tions" to	itle of Table BiDi PM	e 45-31b from "50G PMA/P A/PMD extended ability 2 re	MD extended ab gister bit definiti	oility 1 register bit ons"
Move row fo 2018	the row for 50GB or 50GBASE-FR, and changed by I	ASE-BR10, 50GBASE-BR20 50GBASE-LR, and 50GBASE EEE Std 802.3cn-2019.	, and 50GBASE E-ER inserted by	E-BR40 to be after the y IEEE Std 802.3cd-	Response ACCI	e EPT.		Response Status W		
Proposed	Response	Response Status W			C/ 78	SC	78.1.4	P 39	L 24	# <u>5</u>
FILO	-USED ACCEPT.				Anslow, F	Pete		Independent		
C/ 45	SC 45.2.1.27	a P 30	L 8	# 2	Commen	t Type	ER	Comment Status A		
Anslow, P Comment The ti 45 reg	rete <i>Type</i> ER tle of Table 45-31 gisters.	Independent <i>Comment Status</i> A a should contain the name o	f the register as	per the rest of Clause	The c https: The 2 Suggeste	order of i //www.ie 25G PH dRemed	rows in Tal eee802.org r's are in lir dy	/3/cj/comments/P8023-D2p ne with this order, but the 50	mment #65 agai b0-Comments-Fi 0G ones are not	nst P802.3cj D2.0: inal-byID.pdf#page=14
Suggeste	dRemedy				Chan	ge the c	order of the	50G PHYs to:		
Chan bit de	ge the title of Tab finitions" to "BiDi	le 45-31a from "10G and 25G PMA/PMD extended ability 1	PMA/PMD externation of the second sec	ended ability 1 register nitions"	50GE 50GE	BASE-FF BASE-BF	र २१०			
Response ACCE	e PT.	Response Status W			50GE 50GE 50GE 50GE	BASE-LF BASE-BF BASE-BF BASE-EF	२ २२० २४० २			
C/ 45	SC 45.2.1.27	a P 30	L 8	# 3						
Anslow, P	ete	Independent			Response	Э		Response Status W		
Comment Table	<i>Type</i> ER 45-31a is missing	Comment Status A g a reserved row			ACCI	EPT.				
Suggeste Add a	dRemedy reserved row for	bits 1.34.15:12								
Response ACCE	ept.	Response Status W								

-					-				
C/ 157	SC 157.1.4	P 44	L 12	# 6	C/ 158	SC 158.11.1	P 73	L 34	# <u>8</u>
Anslow, P	ete	Independent			Anslow, P	ete	Independent		
Comment In Tat follow	<i>Type</i> ER <i>Col</i> ble 157-3, Table 157-4, a the established practice	mment Status A and Table 157-5, the c an 802 3	olumn headings	for the PMDs do not	Comment Wrong	<i>Type</i> E g font size	Comment Status D		Ež
Suggester In Tal Delete Chan	dRemedy ble 157-3: e "10 Gb/s PMD" ge "10 km" to "10GBASI	E-BR10"			Suggestee Re-ap Proposed PROF	dRemedy ply paragraph ta Response POSED ACCEPT	g T,Text Response Status W		
Chang Chang In Tat Delete	ge "20 km" to "10GBASE ge "40 km" to "10GBASE ble 157-4: e "25 Gb/s PMD"	E-BR20" E-BR40"			<i>Cl</i> 160 Anslow, P	SC 160.7.9	P 115 Independent	L 30	# 9
Chang Chang Chang In Tal Delete	ge "10 km" to "25GBASI ge "20 km" to "25GBASI ge "40 km" to "25GBASI ole 157-5: a "50 Gb/s PMD"	E-BR10" E-BR20" E-BR40"			Comment A line Suggestee	Type ER for 50GBASE-Fl dRemedy	Comment Status A R should not be present in Figu	ıre 160-6	
Chan Chan Chan	ge "10 km" to "50GBASI ge "20 km" to "50GBASI ge "40 km" to "50GBASI	E-BR10" E-BR20" E-BR40"			Repla provid Response	le such a figure i	f you need it] <i>Response Status</i> W	a line for 50G	BASE-FR [I can
Response	Res	ponse Status W			ACCE	PT.			
ACCE	EPT.				C/ FM	SC FM	P 7	L 25	# 10
C/ 158	SC 158.8.6.1	P 60	L 1	# 7	Anslow, P	ete	Independent		
Anslow. P	ete	Independent			Comment	Туре Е	Comment Status D		EZ
Comment Figure	<i>Type</i> ER <i>Col</i> e 158-5 is a bit map and	<i>mment Status</i> A should be drawn in Fr	ameMaker so th	at it is maintainable.	The lis Worki Also,	st of participants ng Group or Tas "iam Lo" should	in Working Group ballot should k Force who are already listed presumably be "William Lo"	d not include th above.	ne officers of the
Suggeste	dRemedy				Suggestee	dRemedy			
Re-dr <i>Response</i>	aw Figure 52-7 in Frame Res	eMaker ponse Status W			Remo Corre	ve the names of ct "iam Lo"	the officers of the Working Gro	oup and Task F	Force from the list.
ACCE	PT IN PRINCIPLE.				Proposed PROF	Response POSED ACCEPT	Response Status W		
Get th	e bit map source file of	Figure 158-5							

C/ FM	SC FM	P 13	L 7	# <u>1</u> 1	C/ 30	SC 30.5.1.1.	2 P23	L1	# 14
Anslow, F	Pete	Independent			Anslow,	Pete	Independent		
Commen	t Type E	Comment Status D			EZ Commer	t Type E	Comment Status D		EZ
Para	graph mark missin	g after the 802.3cp abstract t	ext.		Inse	ting the 50G PHY	' types after 40GBASE-T would	l place them be	fore the generic
Suggeste	edRemedy				50Gl It se	BASE-R entry. ems more approp	riate to insert the new PHY type	es after 50GBA	SE-ER.
Inser	t a paragraph mari	k before "I wo companion"			Suggeste	edRemedy			
Proposed	d Response	Response Status W			Char	ige "after 40GBA	SE-T" to "after 50GBASE-ER"		
PRO	POSED ACCEPT.				Propose	l Response	Response Status W		
CI 30	SC 30.5.1.1.2	P 22	L 12	# 12	PRO	POSED ACCEPT	IN PRINCIPLE.		
Anslow, F	Pete	Independent			Cheo	k out recent Ame	ndements and projects to find	the correct inse	rtion location.
Commen	t Type E	Comment Status D			EZ CLAE	SC 45 24 6	Dac	/ 45	# 45
Inser	ting the 10G PHY	types after 5GBASE-T would	place them b	etween 5GBASE-T and	C/ 45	30 432.1.0	r 20	L 15	# 15
lt see	ems more appropri	ate to insert the new PHY typ	oes after 10GE	BASE-T.	Ansiow,				- -
Suaaeste	dRemedv	,			Commen	clovant recorved	values for hits 1.7.6:0 were ch	anged from bei	EZ na 1.1 v v v v hv IEEE
Char	nge "after 5GBASE	-T" to "after 10GBASE-T"			Std 8	602.3cn-2019.	values for bits 1.7.0.0 were cha	anged nom ben	
Proposed	d Response	Response Status W			Suggeste	edRemedy			
PRO	POSED ACCEPT				Rem	ove the row in stri	ikethrough for 1 1 x x x x x = re	served	
					chan	ge the remaining	entries to:		
Chec	ck out recent Amen	idements and projects to find	the correct in	sertion location.	111	$11 \times x = reserve$	a [in strikethrough] d [underlined]		
C/ 30	SC 30.5.1.1.2	P 22	L 34	# 13	111	101x = reserve	d [underlined]		
Anslow, F	Pete	Independent				1001 = reserve 1000 = 50GBA	ed [underlined] .SE-BR40-LI PMA/PMD [evistin	a row underline	d
Commen	t Type E	Comment Status D			<i>EZ</i> 111	0 1 1 1 = 50GBA	SE-BR20-U PMA/PMD [existin	g row underline	id]
Inser	ting the 25G PHY	types after 10GBASE-PR-U4	would place	hem before the generic					- 11
25GE	BASE-R entry.		"		110	$1 \times 1 \times$	d [in strikethrough]	ig row underline	u]
It see	ems more appropri	ate to insert the new PHY typ	bes after 25GE	BASE-1.	110	1 1 1 1 = 25GBA	SE-BR40-D PMA/PMD [existin	g row underline	ed]
Suggeste	edRemedy					1000-10004			al
Char	nge "after 10GBAS	E-PR-U4" to "after 25GBASE	E-T"		110	$0.1 \times x = reserve$	d fin strikethrough	ig row underline	u]
Proposed	d Response	Response Status W			110	0 1 1 1 = 10GBA	SE-BR10-D PMA/PMD [existin	g row underline	ed]
PRO	POSED ACCEPT	IN PRINCIPLE.			1 1 C 1 1 C	0 1 1 0 = reserve 0 1 0 x = reserve	ed [underlined] ed [underlined]		
Chec	k out recent Amen	ndements and projects to find	the correct in	sertion location.	Propose	l Response	Response Status W		
					PRO	POSED ACCEPT	-		

CI 45	SC 45.2.1.7.1	P 27	L 24	# <u>1</u> 6		C/ 1	SC 1.4	P 21	L 6	# 19
Anslow, P	ete	Independent				Dawe, Piers		Nvidia		
Comment	Type E	Comment Status D			ΕZ	Comment Typ	e T	Comment Status A		li
The o type ir	rder of entries in Tab n each row.	le 45-9 above 10G is by s	beed and then i	each for the first PH	łY	"The link i but it is sti transmiss	ncludes two ill technically	o different specifications": as I s y wrong. It disagrees with the	said, I know this definition of "lin peric cabling. (F	is copied from before k" in 1.4.302: "The from ISO/IEC 11801.)"
Suggested	Remedy			10 to be often the new		A link beir	ng a thing no	ot a document does not contain	n specifications.	
for 25	GBASE-LR, 25GBASE	E-BR10, 25GBASE-BR20, E-ER.	25GBASE-BR	40 to be after the rov	w	SuggestedRe	medy			
Move for 50 chang	the row for 50GBASI GBASE-FR, 50GBAS ed by IEEE Std 802.3	E-BR10, 50GBASE-BR20, SE-LR, 50GBASE-ER inse 3cn-2019.	50GBASE-BR rted by IEEE S	40 to be after the rov td 802.3cd-2018 and	w d	Change " ⁻ 10GBASE 10GBASE	Γhe link inclu -BR10-U." t -BR10-U; a	udes two different specificatior to e.g. "There are different spe link connects one to the other	ns for 10GBASE cifications for 10 ." Similarly for t	-BR10-D and JGBASE-BR10-D and the other PMD pairs.
Proposed	Response R	Response Status W				Consult th be done ir	e maintenai maintenan	nce committee for correct word ce.	ding. Fixing e.g	. 100BASE-BX10 can
PROF	OSED ACCEPT.					Response		Response Status C		
C/ 45	SC 45.2.1.7.2	P 28	L 19	# 17		ACCEPT	IN PRINCIP	LE.		
Anslow, P	ete	Independent				Change it	into "There	are different specifications for	10GBASE-BR1	0-D and 10GBASE-
Comment	Туре Е	Comment Status D			ΕZ	BR10-U; a	a transmissi	on path connects one to the of	ther."	
The o type ir	rder of entries in Tab n each row.	le 45-10 above 10G is by	speed and then	reach for the first P	ΉY	Apply cha	nges to 9 pl	aces in 1.4.		
Suggestee	lRemedy					C/ 157	SC 157.2.1	P 45	L 37	# 20
Move for 25	the row for 25GBAS	E-BR10, 25GBASE-BR20,	25GBASE-BR	40 to be after the rov	w	Dawe, Piers		Nvidia		-
Move for 50	GBASE-FR, 50GBASE	E-BR10, 50GBASE-BR20, SE-LR, 50GBASE-ER inse	50GBASE-BR rted by IEEE S	40 to be after the rov td 802.3cd-2018 and	w d	Comment Typ the specif	e E ic RS and xI	Comment Status D MII specified for each is		
Bronosod		Sch-2019.				SuggestedRe	nedy			
Proposed PROF	OSED ACCEPT.	esponse Status w				Make it m the specif	atch 157.2.2 ic RS and xl	2, 157.2.3, 157.2.4 and 157.2.5 MII for each are	5:	
C/ 108	SC 108.5.3.2	P 597	L	# 18		Proposed Res	ponse	Response Status W		
Dawe, Pie	rs	Nvidia				FROFUS	ED ACCEP	1.		
Comment	Туре Т	Comment Status A			FEC					
lf FEC 25 Gb	_bypass_indication_ /s, needs to be exter	enable is to be allowed, the definition of the d	e time-out peri	od, 60 ms to 75 ms f	for					
Suggested	Remedy									
Chang BR20,	e "a period of 60 ms and 60 ms to 75 ms	to 75 ms" to "a period of for all other PHY types"	150 ms to 187.	5 ms for 10GBASE-						
Response	F	Response Status C								
ACCE	PT IN PRINCIPLE.									
FEC b	ypass is not allowed	for 10GBASE-BR20. See	comment reso	ution of #22						
TYPE: TR	/technical required E	R/editorial required GR/g	eneral required	T/technical E/edito	orial G/ge	eneral	(Comme	ent ID 20	Page 4 of 15

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatistied Z/withdrawn SORT ORDER: Comment ID

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link

ΕZ

C/ 108	SC	: 108.4	P 592	L	# <u>2</u> 1	C/ 15	58	SC 158.1	P 48	L16	# 23	
Dawe, Pie	rs		Nvidia			Dawe	e, Piers		Nvidia			
Comment	Туре	т	Comment Status A		FE	EC Comr	ment Typ	be TR	Comment Status A			
108.4 be no	says t more	hat the max than 24576	kimum delay contributed by bit times (48 pause_quant	/ the 25GBASE- a or 983.04 ns).	R RS-FEC sublayer shal	ll E o	Expandin other way	g on D2.0 co /s are permis	mment 266: Clause 45 is sible. That's why all recer	one optional way of nt clauses say "and	doing managemen optionally with the	t;
Suggested Explai	dReme n that	edy when used	for 10GBASE-BR20 that's	2457 6 ns		rr ir	nanagen n Clause	1ent function 45, *** or eq	s that may be accessible t uivalent ***.	hrough the manage	ment interface defi	ned
Posponso	in that	when abea		2407.0113.		Sugg	estedRe	medy				
ACCE	PT IN	PRINCIPLI	E.			C	Change " and 160.	defined in Cl	ause 45" to "defined in Cla	ause 45, or equivale	nt", consistent with	159
Keep is 980	the 48 3.4 = 9	pause_qua 9803 bits	anta or 983.04 ns value, ap	ply it to the 10G	rate, the bit time @10G	Resp A	onse ACCEPT		Response Status W			
Chang	ge max	c bit time in	the new row of Table 44-2	as 9803		C/ 15	58	SC 158.1	P 48	L 33	# 24	
C/ 108	SC	108.5.3.2	P 597	L	# 22	Dawe	e, Piers		Nvidia			
Dawe Pie	rs		Nvidia			Comr	ment Typ	be E	Comment Status D			EZ
<i>Comment</i> 108.5.	<i>Type</i> 3.2 sa	T lys: "option	Comment Status A to perform error detection v	without error cor	FE rection to reduce the	EC A c. o	As this no an be ap optional, f	ote "Clause10 oplied to 10G the wording o	08 describes an FEC for 2 BASE-BRx PHYs" applies can be tightened up.	5GBASE-R PHYs, I to only one PMD n	out the same schen ow, and it's no long	ne jer
delay	contrik	CRASE P	e 25GBASE-R RS-FEC sub	player This op	tion shall not be used	Sugg	estedRe	medy				
25GB	ASE-L	R, or 25GB	ASE-ER PHY.	o ionn part of a z	JOBAGE-SIN,	C	Change t	he format of	the cross-reference to 108	so that "Clause 10	8" (with a space) is	а
Suggested	Reme	edv				h	ot link.	Change sent	ence to:	No but the come	a chama is used in	
Exten	d the li	ist of PHY t	ypes that must not bypass	error correction.		1	0GBASE	E-BR20 PHY	8."	rn rs, but the same	scheme is used in	
Response			Response Status C			Propo	osed Res	sponse	Response Status W			
ACCE	PT IN	PRINCIPLI	E.			Р	PROPOS	ED ACCEPT	Г.			
Chang form r	ge "Thi	s option sh	all not be used when the 2	5GBASE-R RS-I	EC sublayer is used to	C/ 15	58	SC 158.1	P 48	L 32	# 25	
into	artor	a 2000A01		ODAGE-ERTIT		Dawe	e, Piers		Nvidia			
"This of a 44	option	shall not be	e used when the 25GBASE	-R RS-FEC sub	ayer is used to form par	t Comr	ment Typ	pe T	Comment Status A			FEC
oran	JGBA	5E-BR20, 2	OGBASE-SK, 20GBASE-L	R, OF 25GBASE	ER PHY.	T to	able 159 oo.)-1 has an im	portant note excluding FE	C bypass. Presum	ably this applies he	re,
						Sugg	estedRe	medy				
						lr s	nsert not upported	e: "The optio d."	n to bypass the Clause 10	8 RS-FEC correction	on function is not	
						Resp	onse		Response Status C			
						A	CCEPT	IN PRINCIP	LE.			
						lr C	nsert not Clause 10	e b to Colum 08 RS-FEC c	n"10GBASE-BR20", Row' correction function is not su	'108—RS-FEC": "Ti upported."	he option to bypass	the
TYPE: TR COMMEN SORT OR	/techn T STA DER:	ical require TUS: D/dis Comment II	d ER/editorial required GF patched A/accepted R/rej D	R/general require ected RESPC	d T/technical E/editoria NSE STATUS: O/open	al G/general W/written C/c	closed U	l/unsatisfied	Co، Z/withdrawn	mment ID 25	Page 5 of 9/21/2020	15 12:51:23 Pi

C/ 158	SC 158.1.1	P 49	L1	# 26	C/ 158	SC 158.1	P 49	L 14	# 29
Dawe, Pier	rs	Nvidia			Dawe, Pie	rs	Nvidia		
<i>Comment</i> Blank	<i>Type</i> E line	Comment Status D		EZ	<i>Comment</i> The R	<i>Type</i> T S-FEC is require	Comment Status A ed to be present or absent d	epending on PHY	FEC
Suggested Remo	lRemedy ve				Suggestee Add th	<i>dRemedy</i> ne same note as	in figs 56-1a and 157-1: "No	OTE 1CONDITIO	ONAL BASED ON PHY
Proposed PROP	Response OSED ACCEPT.	Response Status W			TYPE Response ACCE	PT.	Response Status C		
C/ 157	SC 157.1.4	P 41	L 51	# 27	۳ bb ۸			VDE" to the DS E	EC block in Figure 159
Dawe, Pier	rs	Nvidia			Auu 1 1.	NOTE TCONDI	ITIONAL BASED ON PHT I		EC DIOCK III FIGURE 156-
Comment In "Imp	<i>Type</i> E Dementations cor	Comment Status A nforming to one or more PH responding clauses " there'	Y types mustsha s a "shall" but th	all meet the	Cl 157 Dawe Pie	SC 157.6	P 47 Nvidia	L 15	# 30
which Compa to one	won't do. are 56.1.3 Physic or more nomenc	al Layer signaling systems: latures meets the requireme	"A complete impents of the corres	plementation conforming sponding clauses."	Comment ONU	<i>Type</i> E Silent start	Comment Status D		EZ
Suggested Chang of the clause Response	IRemedy le to "Implementa corresponding s."	tions conforming to one or i Response Status C	more PHY types	meet the requirements	Suggester ONU Proposed PROF	dRemedy silent start Response POSED ACCEP1	Response Status W		
ACCE	PT.				C/ 158	SC 158.8	P 55	L 26	# 31
Cl 158 Dawe, Pier Comment Table too.	SC 158.6 rs <i>Type</i> T 159-6 has an imp	P 53 Nvidia <i>Comment Status</i> A portant note excluding FEC b	L 10 bypass. Presum	# 28 FEC ably this applies here,	Dawe, Pie <i>Comment</i> "Optic later it not re differe	rs <i>Type</i> TR al measurement was decided the quired, only the ont wording.	Nvidia Comment Status A t requirements" this was cop at this was incorrect; 802.3 i compliance is. So Clause 6	ied from Clause 3 s not a test spec, 8 and later optical	88 to 52 then 58-60 but the measurements are PMD clauses use
Sugaested	IRemedv				Suggestee	dRemedy			
Add no any op	ote for 10GBASE	-BR20 "The RS-FEC correc "	tion function ma	y not be bypassed for	Chang Defini	ge to: tion of optical pa	rameters and measurement	methods	
Response ACCE	PT IN PRINCIPLI	Response Status C E.			Response ACCE	PT.	Response Status W		
Same	comment as #25	, see #25 resolution			This n	nakes the subcla	ause title consistent to those	in Clauses 159 a	nd 160

-					-						
C/ 158	SC 158.8.1.1	P 55	L 40	# 32	C/ 158	SC 158.6.1	1 Pt	5 3 [-29	# <u>3</u> 5	
Dawe, Pie	ers	Nvidia			Dawe, Pie	rs	Nvidi	а			
Comment	Type TR	Comment Status X		refer-copy	Comment	Туре Е	Comment Status	D		E	Z
Way t patter techn kept.	too much old mate ns (bad idea), you ical problems with	erial copied in. For example a should reference the existing this very old material that w	, unless you are ng ones. Also, th ould have to be	defining new test here are multiple fixed if the material is	Side M Optica Transr	Node Suppress Il Return Loss mitter Reflecta	sion Ratio Tolerance nce				
, Sugaeste	dRomody				Suggested	Remedy					
Remo	ove most of the co	pied-in material and refer ba	ick to other claus	ses as needed	Side n Optica	node suppress al return loss to	olon ratio				
Proposed	Response	Posponso Status W			Transr	mitter reflectar	ice				
The r	eferring back meth	nod was used in TF review s	tage then mater	ials were conied back	But Op Check	otical Modulati	on Amplitude should ke	eep its capitals	8-7) and clause	e 150 160	
per W	G ballot commen	t resolution. Need group dis	cussion and deci	sion on this.	Proposed	Response				3 139, 100	
Crour	Commonto#22	12 11			PROP			vv			
Group	Comments#32, 4	43, 44			T NOT						
C/ 158	SC 158.6.1	P53	L 49	# 33	Check Clause	out the upper es 158-160	lower-case conventior/	in published A	memdments, u	pdate tables in	
Commont				E7	CI 158	SC 158 6 /		3 /		# 26	_
One o	of the notes has be	ecome separated, on the fol	lowing page		Dawe, Pie	rs	, , , , , , , , , , , , , , , , , , ,	a	-	# 50	_
Suggeste	dRemedy				Comment	Туре Т	Comment Status	R			
Make	the table full widtl	h			Do you	u want to make	e the average launch p	ower of OFF tra	ansmitter lower,	like 10GBASE-	
Proposed	Response	Response Status W			PR? 1 dBm fe	Then, it would or 10GBASE-E	help to set the signal d 3R20 because that's no	etect lower limit ot far below its s	t in Table 158-4 sensitivity	lower than -30	
PROF	POSED ACCEPT.				Suggested	Remedy					
C/ 158	SC 158.6.1	P 53	L 53	# 34							
Dawe, Pie	ers	Nvidia			Response		Response Status	С			
Comment	<i>Type</i> E	Comment Status D		EZ	REJE	CT.					
					Reuse	10GBASE-R	specs here				
Suggeste the op	<i>dRemedy</i> otical return loss to	olerance									
Proposed PROF	Response POSED ACCEPT.	Response Status W									

1 002.300 DZ. 1 DIDI 10, 23, and 30 00/3 Optical Access 1 113 13t Working Oroup recirculation ballot co	P802.3cp D2.1 BiDi 10, 25, and 50 Gb/s Optical Access PHYs 1st Working Group rec	circulation ballot cc	Sm
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C/ 158	SC 158.6.2	P 54	L 30	# 37		C/ 158	SC	158.8.7	P 72	L 12	# 39
Dawe, Pie	rs	Nvidia				Dawe, Pier	rs		Nvidia		
Comment 10GB/ work a	<i>Type</i> TR ASE-BR20 uses as a way of calibr	Comment Status R FEC so VECP, which was chorating the SRS for this PMD.	osen for a no-Fl	EC situation, may no	FEC ot	Comment 158.8.	<i>Type</i> 2 isn't a	E a clause	Comment Status D		EZ
Suggested Consid Response	<i>IRemedy</i> der using SEC (s	ee 95.8.8.2 and 95.8.5, but cl Response Status W	noose a limit ap	propriate for this PM	1D)	Chang Proposed PROP	iRemed je the c Respor	iy ross-refer ise ACCEPT.	ence format so that "Clause" Response Status W	does not appea	ar. Similarly in 160.8.7.
REJE Mainta conse	CT. ain the optical me rvative than SEC	easurement test for 10GBASE), the link should be able to clo	-R. Tests for 10	GBASE-R are more	9	<i>Cl</i> 158 Dawe, Pier	SC	158.8.2	P 57 Nvidia	L 32	# 40
Cl 158 Dawe, Pie Comment Footny recent Suggested Remo Maxim belo Dama abo Apply The re	SC 158.6.2 rs Type T ote a contradicts optical clauses in <i>Remedy</i> ve note a Chang num receive power ow average receing threshold ve average receine new note a to the receiver shall be a	P54 Nvidia Comment Status A the "Maximum receive power is a little different. e the row: er (for damage) ve power (min), to ive power (max) his row: bble to tolerate, without damage	L 33 (for damage)" r	# <u>38</u> ow. Also, the style i	in	Comment 802.3 specs SMF s See 12 Suggested Chang The ce optical definiti valid 1 The w	Type is not a in this of ignals a 21.8.2, <i>IRemed</i> ge subclession r SMSR)' ge conte enter wa spectri ions in l 0GBAS aveleng	TR test spec draft. It se are define 139.7.2 ar ly lause title atio (SMS c ent from: avelength, um analyz IEC 61280 SE-BRx sig th and SM	Comment Status A . Cannot say "shall be meas seems that while MMF signals d by "wavelength". nd 159.7.2 for examples. from "Center wavelength, sp R) measurements" to "Wave spectral width (RMS), and S ter per the centroidal waveler 0-1-3 under modulated condit gnal, or another representativ /SR shall be within the range	ured". There ar are defined by ' ectral width, and length and side MSR shall be n ngth, RMS spec ions using an a re test pattern.	re no spectral width "center wavelength", d side mode mode suppression neasured using an tral width, and SMSR ppropriate PRBS or a to: 158-6 if measured per
Response ACCE Follow	PT.	d note style in Table 159-7 Rx	spec.			Nodify With pa for cor Response ACCE	Table Table attern 1 nsistend PT.	3. The trai 158-11 so , 3 or or va cy with oth	nsmitter is modulated using to that it has rows for Wavelen alid 10GBASE-R signal (you er recent clauses). Remove <i>Response Status</i> W	ne test pattern o gth and Side m can allow squar "spectral width'	defined in Table 158-11. ode suppression ratio, re wave for Wavelength " from the table.

C/ 158	SC 158.8.11	P 70	L 21	# <u>4</u> 1	C/ 160	SC 160.7.4	P111	L37	# 44
Dawe, Pier	rs	Nvidia			Dawe, Pie	ers	Nvidia		
Comment There	<i>Type</i> T is no 3 dB electr	Comment Status A ical upper cutoff frequency sp	ec in this draft		Comment Too m	<i>Type</i> TR nuch repetition	Comment Status X		refer-copy
Suggested Remo	<i>IRemedy</i> ve this subclause	e or add such a spec.			Suggestee Refer	<i>dRemedy</i> to other clauses,	for several subclauses here		
Response ACCE	PT IN PRINCIPL	Response Status C E.			<i>Proposed</i> Group	Response Comments#32, 4	Response Status W 43, 44		
Remo	ve subclause 158	8.8.11			C/ FM	SC FM	P 8	L 3	# 45
C/ 158	SC 158.8.3	P 57	L 40	# 42	Grow, Rot	pert	RMG Consulti	ing	
Dawe, Pier	rs	Nvidia			Comment	Type E	Comment Status D		EZ
Comment	Type TR	Comment Status D			The V	VG member head	er paragraph has changed.		
Suggested Averag The averag	ASE-BRx signal, IRemedy ge optical power /erage optical po ethods given in IE le 158-11 for Av	wer shall be within the limits of EC 61280-1-1.	given in Table 1	58-6 if measured using	Worki Proposed PROF Repla Worki	ng Group at the b <i>Response</i> POSED ACCEPT ice with "The follow ing Group at the b	eginning of the IEEE P802.3 <i>Response Status</i> W IN PRINCIPLE. wing individuals were officers eginning of the IEEE P802.3	and members prop Working Gro	of the IEEE 802.3
signal	'	••••••••••••••••••••••••••••••••••••••			C/ FM	SC FM	P13	L 7	# 46
Make	similar changes i	for 158.8.4 and and other opti	cal parameter c	efinition subclauses	Grow, Rob	bert	RMG Consulti	ing	
Proposed PROP	Response OSED ACCEPT	Response Status W IN PRINCIPLE.			Comment Missir	<i>Type</i> E ng space after full	Comment Status D stop.		EZ
Need	group discussion				Suggestee	dRemedy			
C/ 158	SC 158.8.5	P58	L 1	# 43	Insert	space after full st	op.		
Dawe, Pier	rs	Nvidia			Proposed	Response	Response Status W		
Comment Don't o	<i>Type</i> TR copy all this stuff	Comment Status X - follow the way 159.7.4 does	; it.	refer-copy	PROF	POSED ACCEPT.			
Suggested Simila	<i>IRemedy</i> rlv for the followi	ng subclauses.							
Proposed Group	Response Comments#32,	Response Status W 43, 44							

CI 44	SC 44.3	P 24	L 6	# 47	C/ 158	SC	158.1	P53	L10	# 48
Grow, Rober	rt	RMG Consulting			Maki, Jeffe	ery		Juniper Networks	;	
Comment Tv	/pe ER	Comment Status D			Comment	Tvpe	TR	Comment Status A		link

Comment Type ER Comment Status D

Not a valid Change editorial instruction as all text is inserted (no unchanged text) and no insert location is provided.

SuggestedRemedy

The instruction should be an Insert with a specific location. For example, 'Insert new row at the end of Table 44-2, as modified by IEEE Std 802.3ch-2020, as follows (unchanged rows not shown):' Alternately, include an adjacent unchanged row to act as a location reference (risking additional coment by showing an unchanged row contrary to the instruction.)

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE

Change editorial instruction as "Insert new row at the end of Table 44-2, as modified by IEEE Std 802.3ch-2020, as follows (unchanged rows not shown):"

				4	
ki, Jeffery		Juniper Networks			
mment Type	TR	Comment Status A			

Earlier drafts clearly stated that that two PHYs for each speed and reach of Ethernet were being defined. An "up" PHY with -U Tx and -U Rx specs and a "down" PHY with -D Tx and -D Rx specs. Two kinds of modules would be built in the industry: (1) a -U Tx and a -D Rx and (2) -D Tx and -U Rx. Now the draft has changed approaches completely by defining implicitly two kinds of PMDs. a "up" PMD and a "down" PMD as indicated by the swapping of the -U Rx and -D Rx wavelengths specs. This is a large change only partially addressed in the draft. In particular, there is no clear definition of an "up" PMD and a "down" PMD as one finds for example in Cluase 58.1 for 100BASE-BX10. "100BASE-BX10-D PMD at one end and a 100BASE-BX10-U PMD at the other."

SugaestedRemedv

Updated text:

Within this clause these PMDs are jointly referred to by the term 10GBASE-BRx-D PMD at one end and a 10GBASE-BRx-U PMD at the other.

Response Response Status W

ACCEPT IN PRINCIPLE.

To clarify the -U -D definitions as follows:

In 158.1, change "Optical Line Terminal (OLT) PHYs transmit in the downstream direction and Optical Network Unit (ONU) PHYs transmit in the upstream direction" into "Optical Line Terminal (OLT) PMDs transmit in the downstream direction and receive in the upstream direction. Optical Network Unit (ONU) PMDs transmit in the upstream direction and receive in the downstream direction."

In 158.1, change "PHY variant is indicated with a suffix of D for OLT PHYs and U for ONU PHYs." into "PMD variant is indicated with a suffix of D for OLT PMDs and U for ONU PMDs "

C/ 159	SC 159.1	P86	L10	# <u>4</u> 9	C/ 160	SC	160.1	P 108	L 9	# 50
Maki, Jeffery	,	Juniper Networks			Maki, Jeffe	ry		Juniper Networks		
Comment Tv	vpe TR	Comment Status A		link	Comment	Tvpe	TR	Comment Status A		link

Earlier drafts clearly stated that that two PHYs for each speed and reach of Ethernet were being defined. An "up" PHY with -U Tx and -U Rx specs and a "down" PHY with -D Tx and -D Rx specs. Two kinds of modules would be built in the industry: (1) a -U Tx and a -D Rx and (2) -D Tx and -U Rx. Now the draft has changed approaches completely by defining implicitly two kinds of PMDs, a "up" PMD and a "down" PMD as indicated by the swapping of the -U Rx and -D Rx wavelengths specs. This is a large change only partially addressed in the draft. In particular, there is no clear definition of an "up" PMD and a "down" PMD as one finds for example in Cluase 58.1 for 100BASE-BX10, "100BASE-BX10-D PMD at one end and a 100BASE-BX10-U PMD at the other."

SuggestedRemedy

Updated text:

Within this clause these PMDs are jointly referred to by the term 25GBASE-BRx-D PMD at one end and a 25GBASE-BRx-U PMD at the other.

Response Response Status W

ACCEPT IN PRINCIPLE.

To clarify the -U -D definitions as follows:

In 159.1, change "Optical Line Terminal (OLT) PHYs transmit in the downstream direction and Optical Network Unit (ONU) PHYs transmit in the upstream direction. PHY variant is indicated with a suffix of D for OLT PHYs and U for ONU PHYs."

into

"Optical Line Terminal (OLT) PMDs transmit in the downstream direction and receive in the upstream direction. Optical Network Unit (ONU) PMDs transmit in the upstream direction and receive in the downstream direction. PMD variant is indicated with a suffix of D for OLT PMDs and U for ONU PMDs."

end and a 100BASE-BX10-U PMD at the other."

SuggestedRemedy

Updated text:

Within this clause these PMDs are jointly referred to by the term 50GBASE-BRx-D PMD at one end and a 50GBASE-BRx-U PMD at the other.

Earlier drafts clearly stated that that two PHYs for each speed and reach of Ethernet were

being defined. An "up" PHY with -U Tx and -U Rx specs and a "down" PHY with -D Tx and -

D Rx specs. Two kinds of modules would be built in the industry: (1) a -U Tx and a -D Rx

implicitly two kinds of PMDs. a "up" PMD and a "down" PMD as indicated by the swapping

of the -U Rx and -D Rx wavelengths specs. This is a large change only partially addressed

in the draft. In particular, there is no clear definition of an "up" PMD and a "down" PMD as

one finds for example in Cluase 58.1 for 100BASE-BX10. "100BASE-BX10-D PMD at one

and (2) -D Tx and -U Rx. Now the draft has changed approaches completely by defining

Response Response Status W

ACCEPT IN PRINCIPLE.

Page number is 101.

To clarify the -U -D definitions as follows:

In 160.1, change "Optical Line Terminal (OLT) PHYs transmit in the downstream direction and Optical Network Unit (ONU) PHYs transmit in the upstream direction. PHY variant is indicated with a suffix of D for OLT PHYs and U for ONU PHYs." into

"Optical Line Terminal (OLT) PMDs transmit in the downstream direction and receive in the upstream direction. Optical Network Unit (ONU) PMDs transmit in the upstream direction and receive in the downstream direction. PMD variant is indicated with a suffix of D for OLT PMDs and U for ONU PMDs."

FEC

C/ 157

Marris, Arthur

Comment Type **TR**

SC 157.2.4

P**44**

The Clause 51 PMA 16-bit service interface is incompatable with the serial client interface

Comment Status D

L1

Cadence Design Systems

51

C/ 108

Marris, Arthur

Comment Type

SC 108

TR

P**40**

The proposed changes to Clause 108 are not adequate to describe 10GBASE-R operation

Comment Status D

L7

Cadence Design Systems

SuggestedRemedy	of the for 10	Clause GBASE	108 RS-F	EC. Therefore the clause corr	elation in Tab	le 157-3 does not work		
The proposed changes to Clause 108 are not sufficient to support 10G operation. At least	eration. At least of the Clause 108 RS-FEC. Therefore the clause correlation in Table 157-3 does not work for 10GBASE-BR20. Same issue in Table 158-1 C) sublayer for Define a new PMA for 10GBASE-BR20 or modify clause 109 to support 10GBASE-R. <i>provided by the</i> PROPOSED ACCEPT IN PRINCIPLE. <i>interface is</i> A presentation will be submitted with detailed proposal. <i>VI</i> the serial PMA <i>CI</i> 160 SC 160.6.3 P110 L11 # 53 <i>NY</i> the serial PMA <i>Comment Type</i> TR Comment Status A <i>Ne</i> 25GBASE-R The "Power budget (for maximum TDECQ)" for 50GBASE-BR20 is not aligned with Tx/Rx spec in 160.6.1 and 160.6.2. The Power budget is calculated as "Channel insertion loss+ Allocation for penalties. <i>SUggestedRemedy</i> In Table 160-8, set "Power budget (for maximum TDECQ)" form 18.8dB to18.7dB for 50GBASE-BR20. <i>PMA</i>) using the of 25.78125 GBd <i>Response Response Status</i> C <i>ACCEPT</i> . <i>CI</i> 160 SC 160.6.3 P110 L11 # 54 <i>Vang</i> , Ruoxu Huawei <i>Comment Type</i> TR <i>Comment Status</i> A <i>Ne</i> "Power budget (for maximum TDECQ)" for 50GBASE-BR40 is not aligned with Tx/Rx spec in Table 160-6.3 P110 L11 # 54 <i>Vang</i> , Ruoxu Huawei <i>Comment Type</i> TR <i>Comment Status</i> A <i>Ne</i> "Power budget (for maximum TDECQ)" for 50GBASE-BR40 is not aligned with Tx/Rx spec in Table 160-6.3 The Power budget is calculated as "Channel insertion loss+ Allocatio							
make the following changes to Clause 108. Change Clause Title to: "Read Selemen Ferward Error Correction (RS FEC) sublayor for	Define a new DMA for 10GRASE-BR20 or modify clause 100 to support 10GRASE D							
10GBASE-R and 25GBASE-R PHYs"	Decine							
Change first sentence of 108.1.1 to: "This clause specifies a Reed-Solomon Forward Error	Proposea	Respon	ise	Response Status W				
Correction (RS-FEC) sublayer for 10GBASE-R and 25GBASE-R PHYs."	PROF	POSED	ACCEPT	IN PRINCIPLE.				
Change first sentence of 108.2 to: "This subclause specifies the services provided by the RS-EEC sublayer."	A presentation will be submitted with detailed proposal.							
Change first sentence of second paragraph of 108.2 to: "The FEC service interface is	d' d' d' d' d'ange to Clause 108 are not sufficient to support 10G operation. At leasts, owing changes to Clause 108 are not sufficient to support 10G operation. At least, see Title to: "Reed-Solomon Forward Error Correction (RS-FEC) subayer for 10GBASE-RPHYs' SuggestedRemedy sentence of 108.1.1 to: "This subclause specifies a Reed-Solomon Forward Error 10GBASE-RPHYs' Define a new PMA Not 10GBASE-BR20 or modify clause 109 to support 10GBASE-R. Sentence of second paragraph of 108.2 to: "This subclause specifies the services provided by the service interface is link to the refer for MAI continuously sends a bit stream to the 25GBASE-R A presentation will be submitted with detailed proposal. for 10BASE-RPC3 to transfer information to and from the 25GBASE-R Prove Status R Prove Status R g' the FEC1's UNITDATA-requestity. bit primitive, at a nominal signaling rate of 25.78125 GBd The "Power budget (for maximum TDECQ)" for 50GBASE-BR20 is not aligned with Tx/Rx spec in 100.6.1 are 100.6.2. The Power budget (for maximum TDECQ)" from 18.8dB to18.7dB for 50GBASE-BR20. Status R S' or PMA) continuously ends a bit stream to the RS-FEC using the TDATA-inquestity. bit primitive, at a nominal signaling rate of 25.78125 GBd The "Power budget (for maximum TDECQ)" from 18.8dB to18.7dB for 50GBASE-BR20. Allocation for penalties. S' or PMA) continuously ends a bit stream to the RS-FEC using the TDATA-inquest PM in the PS (or PMA) using the continuously ends a bit stream to the RS-FEC using the PS (or PMA) using the penaltic struct PM in the PS (or PMA) using the penalte sequal to the the PS (or PMA) using the PS (or PMA							
provided to allow the 25GBASE-R PCS to transfer information to and from the 25GBASE-R		# 53						
RS-FEC."	Wang, Ru	oxu		Huawei				
defined in Clause 51 is the client of the EEC service interface."	generation of the Clause 108 are not sufficient to support 10G operation. At least to follow the clause correlation in Table 157-3 does not work the following changes to Clause 108. of the Clause 108 are not sufficient to support 10G operation. At least the following changes to Clause 108 are not sufficient to support 10G operation. At least the following changes to Clause 108. of the Clause 108 RS-FEC. Therefore the clause correlation in Table 157-3 does not work the following changes to Clause 109. Ber And ZSGASER PHYS: in the Clause 109 are not sufficient to support 10G operation. Not support 10G BASE-RP CL in the clause 109 to support 10G BASE-R. Ber And ZSGASER PHYS: in the State of 109.2 to: This subclause specifies a Read-Stoomon Forward Error. C: in Clause 511 to the clause 109 to support 10G BASE-RP PHYS: C: in Clause 511 to the clause 109 to support 10G BASE-RP PHYS: C: in Clause 511 to the clause 109 to support 10G BASE-RP PHYS: C: in clause 510 to transfer information to and from the 25G BASE-R C: in Clause 511 to the clause 109 to support 10G BASE-RP PHYS: C: in clause 510 to transferace: C: clang the ECC service interface: C: clang the ECC service interface: C: clang the ECS service interface: C: clang the ECC service interface: C: clang the ECC service interface:							
In 108.2 change: "The PCS (or PMA) continuously sends a bit stream to the 25GBASE-R								
RS-FEC using the FEC:IS_UNITDATA.request(tx_bit) primitive, at a nominal signaling rate	spec i	n 160.6	.1 and 16	0.6.2. The Power budget is ca	culated as "C	hannel insertion loss+		
of 25.78125 GBd.	Alloca	ation for	penalties'	, which equals to 3.7 dB + 15	dB=18.7 dB. l	Please see the related		
FEC:IS UNITDATA.indication(rx bit) primitive, at a nominal signaling rate of 25.78125	comment on buGBASE-BR20 Allocation for penalties.							
GBd. The actual signaling rate is equal to the underlying PMD signaling rate."	SuggestedRemedy							
To: "The PCS (or PMA) continuously sends a bit stream to the RS-FEC using the	In Lable 160-8, set "Power budget (for maximum TDECQ)" from 18.8dB to18.7dB for							
FEC:IS_UNITDATA.request(tx_bit) primitive, at a nominal signaling rate of 25.78125 GBd for 25GBASE-R and at 10.3125 GBd for 20GBASE-R	50GB	ASE-DR	(20.			in Table 157-3 does not work to support 10GBASE-R. 1 # 53 R20 is not aligned with Tx/Rx as "Channel insertion loss+ 7 dB. Please see the related rom 18.8dB to18.7dB for 1 # 54 R40 is not aligned with Tx/Rx :alculated as "Channel dB + 18 dB=21.7 dB. Please benalties. rom 21.8dB to21.7dB for		
The RS-FEC continuously sends a bit stream to the PCS (or PMA) using the	Response	9		Response Status C				
FEC:IS_UNITDATA.indication(rx_bit) primitive, at a nominal signaling rate of 25.78125 GBd	ACCE	EPT.		S-FEC. Therefore the clause correlation in Table 157-3 does not work . Same issue in Table 158-1 rr 10GBASE-BR20 or modify clause 109 to support 10GBASE-R. <i>Response Status</i> W 'T IN PRINCIPLE. a submitted with detailed proposal. <i>P</i> 110 L11 # 53 Huawei <i>Comment Status</i> A for maximum TDECQ)" for 50GBASE-BR20 is not aligned with Tx/Rx 160.6.2. The Power budget is calculated as "Channel insertion loss+ as", which equals to 3.7 dB + 15 dB=18.7 dB. Please see the related SE-BR20 Allocation for penalties. Power budget (for maximum TDECQ)" from 18.8dB to18.7dB for <i>Response Status</i> C <i>P</i> 110 L11 # 54 Huawei <i>Comment Status</i> A for maximum TDECQ)" for 50GBASE-BR40 is not aligned with Tx/Rx and Table 160-7. The Power budget is calculated as "Channel ation for penalties", which equals to 3.7 dB + 18 dB=21.7 dB. Please nent on 50GBASE-BR40 Allocation for penalties. Power budget (for maximum TDECQ)" from 21.8dB to21.7dB for <i>Response Status</i> C				
for 25GBASE-R and at 10.3125 GBd for 20GBASE-R. The actual signaling rate is equal to	CI 160	50	160 6 3	D110	/ 11	# 54		
the underlying PMD signaling rate.		30	100.0.5		211	# 54		
Proposed Response Response Status W	Wang, Ru	oxu		Huawei				
PROPOSED ACCEPT IN PRINCIPLE.	Comment	Туре	TR	Comment Status A				
Need aroun discussion	The "I	Power b	udget (for	maximum TDECQ)" for 50GB	ASE-BR40 is	not aligned with Tx/Rx		
	insert	ion loss-	Allocatio	on for penalties" which equals	to $3.7 dB + 13$	8 dB=21 7 dB Please		
	see th	ne relate	d comme	nt on 50GBASE-BR40 Allocat	on for penalti	es.		
	Suggeste	dRemed	ly					
	In Tat	ble 160-8	8, set "Po	wer budget (for maximum TDE	ECQ)" from 21	.8dB to21.7dB for		
	50GB	ASE-BR	R40.	0	,			
	Response)		Response Status C				
	ACCE	PT.						

Comment ID 54

52

FEC

C/ 160 SC 160 6 3 P110 / 17 # 55	C/ 160 SC 160 3 P103 / # 58
Wang, Ruoxu Huawei	Stassar. Peter Huawei
Comment Type TR Comment Status A	Comment Type ER Comment Status D
The "Allocation for penalties" for 50GBASE-BR20 3.8dB is not aligned with Tx/Rx spec in 160.6.1 and 160.6.2. As other PAM4 based IEEE 802.3 standard, the penalty is calculated as "Allocation for penalties= TDECOmax+ (TxOMAouter min-Rx sensitivity-Channel	Skew constraints have been introduced in a separate subclause 160.3.1 while not for Delay constraints.
insertion loss)", which equals to 3.2+(0.4-(-15.1)-15)=3.7dB.	SuggestedRemedy
SuggestedRemedy	Introduce subclause 160.3.1 for Delay constraints and 160.3.2 for Skew constraints
In Table 160-8, set Allocation for penalties from 3.8dB to 3.7dB for 50GBASE-BR20.	Proposed Response Response Status W
Response Response Status C	
ACCEPT.	C/ 158 SC 158.6.2 P54 L # 59
C/ 160 SC 160.6.3 P110 L17 # 56	Stassar, Peter Huawei
Wang Rugyu Huawei	Comment Type ER Comment Status D
Comment Type TR Comment Status A	In accordance with the results of comment resolution on D2.0 the parameter "Receive
The "Allocation for penalties" for 50GBASE-BR40 3.8dB is not aligned with Tx/Rx spec in	indicated. Should have been visible for the reviewer in strike-through.
Table 160-6 and Table 160-7. As other PAM4 based IEEE 802.3 standard, the penalty is	SuggestedRemedy
Calculated as Allocation for penalties= TDECQmax+ (TXOMAOUTEr min-Rx sensitivity- Channel insertion loss)", which equals to 3.2+(3.4-(-15.1)-18)=3.7dB. 3.7dB is also aligned with 802.3cn 50GBASE-ER.	For D2.2 show deletion of "Receive electrical 3 dB upper cutoff frequency (max)" as strike- through
SuggestedRemedy	Proposed Response Response Status W
In Table 160-8, set Allocation for penalties from 3.8dB to 3.7dB for 50GBASE-BR40.	PROPOSED ACCEPT.
Response Response Status C ACCEPT.	D2.1 did delete the entire row in the table. But due to FrameMaker settings, this was not shown as strike-through changes in the markup verison.
C/ 158 SC 158.1.1 P48 L46 # 57	C/ 158 SC 158.6.3 P55 L17 # 60
Stassar. Peter Huawei	Stassar, Peter Huawei
Comment Type ER Comment Status D	Comment Type TR Comment Status D
Cross reference to be to "Clause 108" as a whole and not only to "108". Also in Line 50, same page.	Note d mentions suggests that the channel insertion loss has a relation to TDP: A transmitter wavelength of 1260 nm with a TDP of 3 dB is used to calculate channel insertion loss, and allocation for pagetties in this table. This is wrong, TDP is a transmitter
SuggestedRemedy Modify cross reference from "108" to "Clause 108", twice.	parameter and not channel insertion loss. This note applies to the channel insertion loss and not the allocation of penalties.
Proposed Response Response Status W	SuggestedRemedy
PROPOSED ACCEPT.	Change note d to: A transmitter wavelength of 1260 nm is assumed to calculate channel insertion loss. Alternatively the whole note can be deleted.
	Proposed Response Response Status W
	PROPOSED ACCEPT IN PRINCIPLE.
	Remove note d

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

Comment ID 60

Page 13 of 15 9/21/2020 12:51:23 PM

C/ 159	SC 159.6.3	P88	L20	# 61	C/ 158	SC 158.10	P 73	L12	# 64			
Stassar, P	eter	Huawei			Stassar, P	eter	Huawei					
Comment Type ER Comment Status D						Type TR	Comment Status D					
In note made	e b the allocation to the later subcl	of 5 dB is specifically called ause on	out, whereas in	note a reference is	The m 3 case	aximum dispersi s. This applies f	on level for the 1270 nm part or zero km distances	is not -19/-38/-	75 ps/nm but zero in all			
Suggested	Remedy				Suggested	Remedy						
Chang	ge note b to refer	to the relevant part in subcla	use 159.9 and/c	r 159.10	In Tab	le 158-13 modify	the maximum chromatic dis	persion from -19	9/-38/-75 to 0/0/0 ps/nm			
Proposed PROP	Response POSED ACCEPT	Response Status WIIN PRINCIPLE.			Proposed PROP	Response OSED ACCEPT	Response Status W					
C/ 159	SC 159.9	P 92	L	# 62	C/ 158	SC 158.10	P 73	L	# 65			
Stassar, P	eter	Huawei			Stassar, P	eter	Huawei					
Comment	Type TR	Comment Status D			Comment	Type ER	Comment Status D					
Refere	ences are made t	to Clause 88.10 and in 159.10	0 to Clause 88.1	1, making the reading a	The re	adability of Table	es 158-13 (and 159-12) if a fo	ormat similar to	Table 88-14 is used.			
bit cor	nplicated. Also it	is not precisely clear which e	exceptions apply	. It would be more	Suggester	Remedy						
straigh	ntforward reading	if subclauses 159.9 and 159	.10 are rewritter	n with full local content	Reform	nat Table 158-13	(and 159-12) to a format sin	nilar to Table 88	-14 A detailed proposal			
		1			will be	made in a prese	entation to the relevant TF me	eting				
Suggested	Remedy	0.0 and 450.40 with its sum l		-imilan way as 450.40	Proposed	Response	Response Status W	-				
and 15	58.11	9.9 and 159.10 with its own ic	ocal content in a	similar way as 158.10	PROP	OSED ACCEPT	IN PRINCIPLE.					
Proposed PROP	Response OSED ACCEPT	Response Status W IN PRINCIPLE.			A pres	entation will be s	submitted with detailed propo	sal.				
					C/ 159	SC 159.9	P 94	L	# 66			
C/ 160	SC 160.9	P 119	L	# 63	Stassar, P	eter	Huawei					
Stassar, P	eter	Huawei			Comment	Type TR	Comment Status D					
Comment	Type TR	Comment Status D			The m	aximum dispersi	on level for the first 3 column	is is not -19/-6/-	11 ps/nm but 0/0/0			
lt woul Table	ld make the read 159-12	ability significantly better if 16	60.9 would have	its own local copy of	ps/nm disper	This applies for sion has been do	zero km distances. Furthern ownwards instead of upwards	nore in some ca , e.g. 39.5 to 39	ses the rounding of the instead of 40.			
Suggested	Remedy				Suggested	Remedy						
Create local copy of Table 159-12 in clause 160.9						In Table 159-12 modify the chromatic dispersion from -19/-6/-11 to 0/0/0 ps/nm. Also						
Proposed Response Response Status W						modify 39 to either 39.5 or 40 ps/nm. This will also be taken into account in the detailed proposal that will be put into a presentation.						
PROP	USED ACCEPT				Proposed	Response	Response Status W					
					PROP	OSED ACCEPT						

C/ 160 SC 160.6	P 108	L	# 67	C/ 159	SC 159.7.1	P 88	L	# 70		
Stassar, Peter	Huawei			Stassar, Pe	eter	Huawei				
Comment Type TR	Comment Status D			Comment	Type TR	Comment Status D				
This comment is a respective specification method	epeat of comment #185 to D2.0 lology with the one used in P80	, proposing to	align the PAM4	Refere	nce is made to t	est patterns in clause 95	5, whereas it should	be to Table 159-9		
SuggestedRemedy	lology with the one used in 1 of	2.000 D2.2.		Suggested	Remedy					
A detailed presentat	ion will be submitted with specif	fic proposals fo	or modification	Modify reference to test patterns from clause 95 to Table 159-9						
Proposed Response	Boononoo Statua M			Proposed I	Response	Response Status W				
PROPOSED ACCEI	PT IN PRINCIPLE.			PROP	OSED ACCEPT	IN PRINCIPLE.				
A presentation will b	e submitted with detailed propo	sal.								
C/ 158 SC 158.8	P55	L	# 68							
Stassar, Peter	Huawei									
Comment Type ER	Comment Status D									
common to call it "D way as for 159.7 and	efinition of optical measurement 1 160.7	ind measurem	ent methods" in a similar							
SuggestedRemedy										
Rename title of subo methods"	clause 158.8 to "Definition of op	tical paramete	rs and measurement							
Proposed Response	Response Status W									
PROPOSED ACCE	PT.									
C/ 158 SC 158.8	P55	L	# 69							
Stassar, Peter	Huawei									
Comment Type TR	Comment Status D									
In subclause 158.8 r be added and be sin	eferences to the various param nilar to 159.7 and 160.7	eter requireme	ents are missing. Should							
SuggestedRemedy										
In 158.8 add referen	ces to requirements tables for v	arious paramo	eters							
Proposed Response	Response Status W									
PROPOSED ACCE	PT IN PRINCIPLE.									