bucket

C/ 1	SC 1	P 1	L 27	# 108	C/ 1	SC 1.4	P 22	L	# 84
Nicholl, Ga	ary	Cisco systems			Stassar	, Peter	Huawei		
Comment IEEE S	<i>Type</i> E Std 802.3cm-202	<i>Comment Status</i> D 20 and 802.3cq-2002 have now	been approve	<i>bucket</i>	Comme We the	<i>nt Type</i> TR may need a defir one currently in F	<i>Comment Status</i> D nition of channel spacing. The p Recommendation ITU-T G.671.	roposed defini	tion is consistent with
Chang the dra Proposed PROP	je 802.3cm-20X) aft <i>Response</i> 'OSED ACCEPT	K to 802.3cm-2020 and 802.3c Response Status W	q-20XX to 802.	3cq-2020 throughout	Suggest Add wav are grid	edRemedy "1.4.181a Chanr elength between based on the gric found in [ITU-T (nel Spacing: The center-to-cente adjacent channels in a WDM ap I found in [ITU-T G.694.1]. CWE G.694.2]."	er difference ir oplication. DW DM channel sp	n frequency or DM channel spacings acings are based on the
C/ 1 Nicholl G	SC 1	P 21 Cisco systems	L 14	# 105	Propose PRC	d Response DPOSED ACCEF	Response Status W		
Comment The "ir	<i>Type</i> E mportant Notice"	Comment Status D	g to IEEE.	bucket	C/ 1 Stassar	SC 1.4 . Peter	P 22 Huawei	L	# 85
Delete intend interfe docum safety applica regula This IE disclai notice	Ines 14 through e lines 14 through ed to ensure saf rence with or fro hents are respon , security, enviro able laws and tions. EEE document is mers. These s and disclaimer	n 24: IMPORTANT NOTICE: Il ety, health, or environmental p m other devices or networks. Il sible for determining and comp nmental, health, and interferen s made available for use subject s appear in all publications cor	EEE Standards otection, or er nplementers o lying with all a ce protection p ct to important taining this do	s documents are not isure against f IEEE Standards ppropriate oractices and all notices and legal cument and may be	Suggest Suggest Add of th (DW Propose	may need a defin sistent with the of redRemedy "1.4.401a polariz the state of polariz /DM link) or chan ad Response DPOSED ACCEF	comment status D nition of polarization dependent ne currently in Recommendation zation dependent loss: The varia tation (SOP) over all SOPs within unel wavelength range (CWDM a <i>Response Status</i> W PT.	loss. The prop n ITU-T G.671 ation of insertion n the channel and WWDM lir	osed definition is on loss due to a variation frequency range iks)
Proposed	under the ng "Important No nents." can also be obtai standards.ieee.o <i>Response</i> OSED ACCEPT	tice" or "Important Notices and ined on request from IEEE or v rg/IPR/disclaimers.html <i>Response Status</i> W	Disclaimers C iewed at	oncerning IEEE	Cl 1 Brown, Comme only Suggest Cha Propose PRC	SC 1.4 Matt Int Type E one definition redRemedy Inge "definitions" of Response DPOSED ACCEF	P22 Huawei Techr Comment Status D to "definition" Response Status W PT.	L 27 lologies Canad	# <u>50</u> da <i>buck</i> e

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 1	Page 1 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 1.4	3/3/2020 1:33:07 PM
SORT ORDER: Clause, Subclause, page, line		

C/ 45	SC 45.2.1	P 24	L 8	# 47	CI 45	SC 45.2.1.1	36aa.1	P 36	L 35	# 1
Maguire, V	Valerie	The Siemon	Company		Bruckman	, Leon		Huawei		
Comment 802.3	<i>Type</i> E cg has published.	Comment Status D		bucket	Comment The "I	<i>Type</i> T FEC bypass ind	<i>Comme</i> ication enab	nt Status D le" bit when set to	a one enables	<i>bucket</i> the bypass of the FEC
S <i>ugg</i> ested Repla	dRemedy ce, "802.3cg-20xx"	' with, "802.3cg-2019"			error II Suggested	IRemedy	n, not the er	ror indication. Se	e text in clause s	91.6.2.
Proposed PROF	Response POSED ACCEPT.	Response Status W			Chang to: "W	je: "When set to hen set to a one	a one, this l , this bit ena	bit enables bypas ables bypass of th	s of the error inc	lication.", n function."
CI 45	SC 45.2.1.21b	P 27	L35	# 124	Proposed PROP	Response	Respons	se Status W		
Issenhuth	, Tom	Huawei					•			
Comment	Type E	Comment Status D			C/ 45	SC 45.2.1.1	36aa.1	P 36	L 37	# 2
States by IEE	s table 45.24b "as EE Std 802.3cn-20	inserted by IEEE Std 802. 19 and modifed by IEEE S	3cu-20xx" but ta td 802.3cu-20xx	ble 45.24b was inserted	Bruckman	, Leon	Commo	Huawei		hucket
Suggestee	dRemedy				Text n	ot clear	Comme			DUCKEI
Chang	ge "as inserted by l	IEEE Std 802.3cu-20xx" to	as modified by	IEEE Std 802.3cu-20xx"	Currenter	Bamadu				
Proposed PROF	Response POSED ACCEPT.	Response Status W			Chang does r	remedy je: "Writes to bit not have the abil 2 3) "	1.2200.1 ar ity to bypass	e ignored and rea indicating decod	ids return a zero ling errors to the	if the Inverse RS-FEC remote PCS layer (see
C/ 45	SC 45.2.1.186	P 36	L 9	# 48	102.0.	2.0).,	0.4 and image			
Maguire, V	Valerie	The Siemon	Company		not ha	ve the ability to	bypass deco	oding error indicat	ions to the remo	inverse RS-FEC does ote PCS layer (see
Comment	Type E	Comment Status D		bucket	152.5.	2.3)."		-		
802.3	cg has published.				Proposed	Response	Respons	se Status W		
Suggestee	dRemedy				PROP	OSED ACCEPT				
Repla	ce, "802.3cg-20xx"	' with, "802.3cg-2019"			C/ 45	SC 45.2.1.1	36aa.2	P36	L 44	# 3
Proposed	Response	Response Status W			Bruckman	leon	Journa	Huawei		
PROF	POSED ACCEPT.				Comment Text n	<i>Type</i> E ot clear	Comme	ent Status D		bucket
					<i>Suggested</i> Chang not ha	<i>IRemedy</i> je: "Writes to thi ve the ability to	s bit are igno bypass corre	ored and reads re ection.",	turn a zero if the	Inverse RS-FEC does
					to: "W have t	rites to this bit a he ability to bypa	re ignored a ass error coi	nd reads return a rrection."	zero if the Inver	se RS-FEC does not
					Proposed PROP	Response OSED ACCEP1	Respons	se Status W		
TYPE: TR	/technical required	ER/editorial required GF	/general require	d T/technical E/editorial G/ɑ	eneral			C/ 45	5	Page 2 of 25

i i 2 i i i i i i i i i i i i i i i i i	a required international Distriction of general		
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 45.2.1.186aa.2	3/3/2020 1:33:15 PM
SORT ORDER: Clause, Subclause, page, line			

C/45 SC 45.2.1.186ab.8 P38 L33 # 4	C/ 45 SC 45.2.1.186aj P45 L16 # 6
Bruckman, Leon Huawei	Bruckman, Leon Huawei
Comment Type T Comment Status D bucket	Comment Type TR Comment Status D
The "IFEC bypass indication ability" bit when set to a one one indicates that the bypass of the FEC error indication function can be bypass.	Lane identification shall be separated from lane lock, so the value of lane mapping is dependent on the lane identification status.
SuggestedRemedy	SuggestedRemedy
Change: "This bit is set to one to indicate that the decoder has this ability to bypass error indication.",	Add the lane identification status bits to the MDIO and make the lane mapping register dependent on these bits instead of fas lock. Detalis of remedy are presented in contribution bruckman_3ct_01_0320.
to:"This bit is set to one to indicate that the decoder has this ability to bypass the error	Proposed Response Response Status W
Proposed Pospense Despense Status W	PROPOSED ACCEPT IN PRINCIPLE.
PROPOSED ACCEPT.	Need for status bits dependent on the response to comment 15 which proposes to separate lane identification from lane lock.
C/ 45 SC 45.2.1.186ah.2 P41 L40 # 5	C/ 80 SC 80.1 P49 L12 # 44
Bruckman, Leon Huawei	Maguire Valerie The Siemon Company
Comment Type E Comment Status D bucket	Comment Type E Comment Status D buck
Inconsistent bracketing. In clause 153.2.4.1.1 the variable is indicated as: fas_lock <x></x>	Missing oxford comma.
SuggestedRemedy	SuggestedRemedy
Change: "fas_lock[7]", to:"fas_lock<7>". The same for all other 19 lanes in the following clauses 45.2.1 186ab 3 to 45.2.1 186ai 12	Replace, "100GBASE-LR1 and in Clause154: with, "100GBASE-LR1, and in Clause154"
	and extend the underline change mark to include the added ".".
Proposed Response Response Status W	and extend the underline change mark to include the added ",". Proposed Response Response Status W
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "fas_lock[x]" to "fas_lock <x>" in clauses 45.2.1.186ah.1 to 45.2.1.186ah.9 and in clauses 45.2.1.186ai 1 to 45.2.1.186ai 12</x>	Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "fas_lock[x]" to "fas_lock <x>" in clauses 45.2.1.186ah.1 to 45.2.1.186ah.9 and in clauses 45.2.1.186ai.1 to 45.2.1.186ai.12.</x>	Proposed Response Response Status W PROPOSED ACCEPT. C/ 80 SC 80.1.3 P49 L10 # 109 Nicholl, Gary Cisco systems
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "fas_lock[x]" to "fas_lock <x>" in clauses 45.2.1.186ah.1 to 45.2.1.186ah.9 and in clauses 45.2.1.186ai.1 to 45.2.1.186ai.12.</x>	and extend the underline change mark to include the added ",". Proposed Response Response Status W PROPOSED ACCEPT. C/ 80 SC 80.1.3 P49 L10 # 109 Nicholl, Gary Cisco systems Comment Type E Comment Status D buck Extra space between "and " and "in" L10 Cisco systems Cisco systems
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Change "fas_lock[x]" to "fas_lock <x>" in clauses 45.2.1.186ah.1 to 45.2.1.186ah.9 and in clauses 45.2.1.186ai.1 to 45.2.1.186ai.12.</x>	and extend the underline change mark to include the added ",". Proposed Response Response Status W PROPOSED ACCEPT. Cl 80 SC 80.1.3 P49 L10 # 109 Nicholl, Gary Cisco systems Comment Type E Comment Status D buck Extra space between "and " and "in" SuggestedRemedy Delete extra space.

C/ 80 SC 80.1.3

C/ 80	SC 80.1.3	P 49	L14	# 110	CI 80	SC 80.1.4	P 49	L 25	# 52
Nicholl, G	ary	Cisco system	6		Brown, M	latt	Huawei Techn	ologies Canad	la
Comment The e "Figur	<i>Type</i> E diting instruction s e 80-1" in the doc	Comment Status D states "Change Figure 80-1 ir ument.	1 80.1.3 as follows:	<i>bucket</i> ", but there is no	Comment The C transe	t <i>Type</i> T Clause 74 FEC is r coding as this one	Comment Status D not relevant and for Clause 91 of many subfunctions withing	it is not nece the Clause 9	<i>bucket</i> ssary to list out the 1 FEC.
Suggestee Impor Proposed PROF	dRemedy t Figure 80-1 and Response POSED ACCEPT I	update accordingly. <i>Response Status</i> W IN PRINCIPLE.			Suggeste Chan "Som Claus Proposed	dRemedy ge to: e 100GBASE-Z PI se153." I Response	hysical Layer devices also us Response Status W	e the FEC of (Clause 91 or the FEC of
See re	esponse to comm	ent 51.			PROF	POSED ACCEPT.			
C/ 80	SC 80.1.3	P 49	L16	# 51	CI 80	SC 80.1.5	P 50	L 3	# 41
Brown, Ma <i>Comment</i> this is	att <i>Type E</i> not an acceptable	Huawei Techr <i>Comment Status</i> D e amendment instruction	ologies Canada	bucket	Trowbridg Comment Editor	ge, Steve t <i>Type</i> ER r's note is incorrec	Nokia <i>Comment Status</i> D t		bucket
Suggested Chang Impor	dRemedy ge instruction to "F t Figure 80-1 and ately, change inst	Replace figure 80-1 with the f make the necessary change ruction to the following:	ollowing:" s.		Suggeste Chan 80-4a Proposed	dRemedy ge "Insert Table80 a as follows:" I Response	⊢4 after Table 80-4a as follov Response Status W	vs:" to "Insert	Table80–4b after Table
"In Fig "100G <i>Proposed</i> PROF	gure 80-1, change BASE-R, or 100G <i>Response</i> POSED ACCEPT I	the list of medium types as t BASE-P, or 100GBASE-Z. " <i>Response Status</i> W IN PRINCIPLE.	ollows:" with proper strike-	out and underline	PROF Chan 80–4a	POSED ACCEPT ge "Insert Table 8(a as follows:"	IN PRINCIPLE. 0–4 after Table 80–4a as follo	ows: "Insert Ta	ble 80–4b after Table
Remo under "100G	ve existing text ar CGMII as follows BASE-R, or 100G	nd replace with "In Figure 80- : BBASE-P, or 100GBASE-Z."	1, change the list o	of medium types out and underline.	C/ 80 Nicholl, G Comment Editin insert Suggeste Upda Proposed	SC 80.1.5 Gary t Type E ig instruction state: ed is actually Tabl dRemedy te editing instruction l Response	P50 Cisco systems Comment Status D s "Insert Table80–4 after Table 80-4b. on to read " "Insert Table80–4 Response Status W	L 3 le 80-4a as fo lb after Table a	# 111 bucket llows:", but the tabel 80-4a as follows:"
					See r	esponse to commo	ent 41.		

C/ 80	SC 80.1.5	P 50	L 6	# 113	CI 80	SC 80.2.2	P 50	L 34	# 53
Nicholl, G	Bary	Cisco systems			Brown, M	att	Huawei Techn	ologies Canac	la
<i>Comment</i> Table	<i>Type</i> E 80-4b is a new tab	Comment Status D le , so there should be no unde	erlining.	bucket	Comment 100G	<i>Type</i> T BASE-Z must be	Comment Status D added to the list of PHY types	i.	bucket
Suggeste Delete	<i>dRemedy</i> e all underlining in [·]	Table 80-4b			Suggester Add 1	dRemedy 00GBASE-Z to th	e list of PHY types.		
Proposed PROF	Response POSED ACCEPT.	Response Status W			Proposed PROF	Response POSED ACCEPT.	Response Status W		
CI 80	SC 80.1.5	P 50	L 6	# 112	C/ 80	SC 80.2.4	P 51	L 5	# 42
Nicholl, G	Bary	Cisco systems			Trowbridg	je, Steve	Nokia		
Comment	Туре Т	Comment Status D		bucket	Comment	Туре Е	Comment Status D		bucke
Table	80-4b is missing a	column for Clause 135.			The fi	rst sentence is wr	rong given the additions in the	rest of the pa	ragraph.
Suggeste	dRemedy				Suggeste	dRemedy			
Add a	a column for Clause	9 135.			Chang	ge the entire para	graph to:		
Proposed	Response	Response Status W			Claus type c	e 83 specifies 40 ^e of the correspondi	GBASE-R and 100GBASE-R ng rate. Additional PMAs are (PMAs that ma	y be used with any PHY
PROF	POSED ACCEPT.				a) Cla	use 94 specifies	a PMA that may be used only	in a 100GBAS	SE-KP4 PHY.
C/ 80	SC 80 1 5	P50	/ 10	# 7	b) Cla c) Cla	use 135 specifies	s a PMA that may be used in c a PMA that is used in the 10	other 100GBA	SE-P PHY types. энү
Bruckmar		Huawei			Proposed	Response	Response Status W		
Comment	Type F	Comment Status D		bucket	PROF	POSED ACCEPT	IN PRINCIPLE.		
Claus	e 80.1.4 indicates n in Table 80-4b	that the clause 74 FEC is optio	nal for 100	GBASE-Z, but it is not	Imple	ment the suggest	ed remedy with editoral licens	e to ensure pr	oper formatting.
Suggeste	dRemedy				C/ 80	SC 80.2.4	P 51	L 6	# 54
Add c	lause 74 to table 8	0-4b as optional.			Brown, M	att	Huawei Techn	ologies Canac	Ja
Proposed	Response	Response Status W			Comment	Туре Е	Comment Status D		bucke
PROF	POSED ACCEPT II	N PRINCIPLE.			There	are no changes	marked in the paragraph.		
Claus so the	e 74 is not relevan ere is no need to ac	t and will be removed from 80. Id clause 74 to table 80-4b.	1.4, see res	sponse to comment 52,	Suggestee Under	dRemedy rline the last sente	ence.		
					Proposed PROF	Response POSED ACCEPT	Response Status W IN PRINCIPLE.		
					See re	esponse to comm	ent 42.		

C/ 80	SC 80.3.2	P 51	L 28	# 114		CI 80	SC 80.3.2	P 52	L1	# 56
Nicholl, G	Bary	Cisco systems				Brown, M	att	Huawei Technol	logies Canada	
<i>Comment</i> Extra	t <i>Type</i> E space between 10	Comment Status D 0GBASE-R and 100GBASE-P			bucket	<i>Comment</i> Unde	<i>Type</i> E rlined text is not i	Comment Status D required here.		bucket
S <i>uggeste</i> Use s	dRemedy strikethrough for the	e extra space after the "and"				Suggeste Remo	dRemedy ove underline on	"Figure 80-4a".		
Proposed PROF	Response POSED ACCEPT.	Response Status W				Proposed PROF	Response POSED ACCEPT	Response Status W		
CI 80	SC 80.3.2	P 51	L 30	# 115		CI 80	SC 80.3.2	P 52	L 1	# 116
Nicholl, G	Bary	Cisco systems				Nicholl, G	Bary	Cisco systems		
Comment Missi	t <i>Type</i> E ng underline, under	Comment Status D			bucket	Comment There	<i>Type</i> E should be no ur	Comment Status D derline in editing instruction		bucket
S <i>uggeste</i> Chan	<i>dRemedy</i> ge "Figure 80–4a, '	" to "Figure 80–4a, "				Suggeste Remo	<i>dRemedy</i> ove underline in e	diting instruction		
Proposed PRO	Response POSED ACCEPT I	Response Status W N PRINCIPLE.				Proposed PROF	Response POSED ACCEPT	Response Status W		
See r	esponse to comme	ent 55.				See r	esponse to comr	nent 56.		
C/ 80	SC 80.3.2	P 51	L 30	# 55		CI 80	SC 80.4	P 52	L 49	# 117
Brown, M	latt	Huawei Techno	ogies Canada			Nicholl, G	Bary	Cisco systems		
<i>Comment</i> Fix ar	t <i>Type</i> E mendment markup.	Comment Status D			bucket	Comment Need	<i>Type</i> E to reference 802	Comment Status D		bucket
Suggeste	dRemedy					Suggeste	dRemedy			
Space	e after "Figure 80-4	should be undelined.				Chan	ge editing instruc	tion from "Change Table80–5 (a	as modified by II	EEE Std 802.3cd-
Proposed PROI	Response POSED ACCEPT.	Response Status W				2018) show to "Char follow show) as follows (unch n)" nge Table80–5 (a /s (unchanged 40 n)"	anged 40G rows not is modified by IEEE Std 802.3cd iG rows not	I-2018 and IEE	∃ Std 802.3cu-xx) as
						Proposed PROF	<i>Response</i> POSED ACCEPT	Response Status W		

CI 80	SC 80.4	P 52	L 50	# 57		C/ 83C	SC 83C.4	P120	L 8	# 70	
Brown, M	latt	Huawei Tech	nologies Canada			Brown, Ma	tt	Huawei Tecl	nnologies Canad	la	
Comment No ne	t <i>Type</i> E eed to describe the	Comment Status D not-shown rows. It is suffici	ient to refer to "und	changed" rows	bucket	Comment T Editing	<i>Type</i> E instruction sho	Comment Status D uld refer to the inserted subc	lause.		bucket
<i>Suggeste</i> Chan	<i>dRemedy</i> ge "unchanged 40	G rows" to "some unchange	d rows".			Suggested Change	<i>Remedy</i> e to "Insert new	subclause 83C.4 at the end	of Annex 83C a	s follows:"	
You r FEC.	night then reduce t	he table size by deleting rov	ws for MAC, PCS,	and 100GBAS	E-R	Proposed F PROP	Response OSED ACCEPT	Response Status W			
Proposed PROI	I Response POSED ACCEPT I	Response Status W N PRINCIPLE.				Cl 125 Brown Ma	SC FM	P 1 Huawai Tacl	L 26	# 49	
Chan table.	ge wording to "unc	hanged rows not shown" an	d remove unchang	ged rows from	the	Comment T spelling	Type E g	Comment Status D	mologica danad	20	bucket
C/ 80 Maguire,	SC 80.5 Valerie	P 55 The Siemon (L 1 Company	# 45		Suggested Change	<i>Remedy</i> e "EEE" to "IEE	E"			
Comment Sugg Edito	t Type E est that "skew varia r's Note.	Comment Status D ation needs to be revisited, i	input requested" b	e formatted as	<i>bucket</i> an	Proposed F	Response OSED ACCEPT	Response Status W			
Suggeste	dRemedy					C/ 135A	SC 135A	P 122	L1	# 71	
Form	at, "skew variation	needs to be revisited, input	requested" as an	Editor's Note.		Brown, Ma	tt	Huawei Tecl	nnologies Canad	la	
Proposed PROI	I Response POSED ACCEPT I	Response Status W N PRINCIPLE.				Comment T Editing	Type E instruction was	Comment Status D carried over from 802.3cd a	nd is not relevar	nt in 802.3ct.	bucket
See r	esponse to comme	ent 58.				Suggested Delete	Remedy editing instruction	on at the top of page 122.			
C/ 80 Brown, M	SC 80.5 latt	P 55 Huawei Tech	L 1 nologies Canada	# 58		Proposed F PROP	Response OSED ACCEPT	Response Status W			
Comment	t Type E	Comment Status D			bucket	C/ 135A	SC 135A.3	P 122	L	# 72	
Ourrenate						Brown, Ma	tt	Huawei Tecl	nnologies Canad	la	
Use p	proper editor's note	by inserting editor's note th	at and include "Ed	itor's note:".		Comment T Editing	<i>Type</i> E instruction sho	Comment Status D uld refer to the inserted subc	lause.		bucket
Proposed PROI	l Response POSED ACCEPT.	Response Status W				Suggested Change	<i>Remedy</i> e to "Insert new	subclause 135A.3 at the en	d of Annex 135A	as follows:"	
							_				

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 135A	Page 7 of 25
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 135A.3	3/3/2020 1:33:15 PM
SORT ORDER: Clause, Subclause, page, line		

C/ 152	SC 152.1	P 59	L 33	# 60	C/ 152	SC 1	52.5.1	P 61	L 47	# 118	
Brown, M	att	Huawei Techn	ologies Canada	1	Lewis, Da	vid		Lumentum			
<i>Comment</i> The d	<i>Type</i> E efinition for Invers	Comment Status D se RS-FEC is in the wrong loc	ation in the list.	bucket	<i>Comment</i> The c	<i>Type</i> aption for	E Fig 152-	Comment Status D 2 does not say what it is a fu	unction block dia	agram of.	bucket
Suggeste Move	dRemedy definition for Inve	erse RS-FEC to between defin	itions for FEC a	nd LLC.	Suggested Chang	dRemedy ge caption	, n to "Inve	erse RS-FEC sublayer function	onal block diagr	am".	
Proposed PROF	osed Response Response Status W PROPOSED ACCEPT. 52 SC 152.1 P59 L34 # 61					Respons OSED A	e CCEPT.	Response Status W		agram .	
CI 152	SC 152.1	P 59	L 34	# 61	C/ 152	SC 1	52.5.3.4	P66	L 38	# 8	
Brown, M	att	Huawei Techn	ologies Canada	1	Bruckmar	, Leon		Huawei			
Comment	Туре Е	Comment Status D			Comment	Туре	Е	Comment Status D			
The 1	00G PMA defined	d in Clause 135 is called the 1	ЛА.	It is st estima	range tha ated by d	at the the ividing th	bit error ratio in the data rec e BIP block error ratio by sor	eived from the f mething, if you a	ar-end PCS can already have a er	be ror	
Suggeste	aRemeay	the definition list and in the law		the energiated DNAA	ratio v	vhy divide	e it?. Í sa	w the same wording in other	802.3 cluses, b	ut it sounds strar	nge.
subla	ve the note from vers replace "PM/	A" with "100GBASE-P PMA".	yer diagram for	the associated PMA	Suggestee	dRemedy	,				
Proposed	Response	Response Status W			Change: "The bit error ratio in the data received from the far-end PCS can be estimated by dividing the BIP block error ratio by a factor of 1 081 344.",						ited by
PROF	POSED ACCEPT.				to: "Tł	ne bit erro	or ratio in	the data received from the f	ar-end PCS car	ו be estimated by	,
C/ 152	SC 152.1.1	P 58	L 11	# <u>5</u> 9	dividir	g the BIF	P block e	rrors by a factor of 1 081 344	4."	· · · · · · · · · · · · · · · · · · ·	
Brown, M	att	Huawei Techn	ologies Canada	1	Proposed	Respons	e	Response Status W			
Comment	Туре Т	Comment Status D	-		PROF	OSED R	EJECT.				
This r 100G 100G	new sublayer is inf BASE-Z PHY and BASE-R PHYs.	tended in this project for supp I might be used for 100GBASI	ort of 100GBAS E-P PHYs as w	E-ZR which is a ell. It could be used for	This is nearly identical text to the final para of 91.5.2.4, and to 82.2.15 from which it was derived, and the suggested remedy is technically wrong. The BIP values are actually generated by the far end PCS, and the intervening transcode/trans-decode steps should						was , ould
Suggeste	dRemedy				calcul	e the seq ation con	verts a b	lock error ratio (the number of	of BIP violations	sover a unit of tin	ne) to
Chang "The FEC) 100G	ge sentence to: Inverse RS-FEC s sublayer for BASE-R, 100GBA	sublayer specifies a Reed-Sol ASE-P, and 100GBASE-Z PH	omon Forward B Ys."	Error Correction (RS-	an eq unit of not kn	uivalent k time). Y owing wł	bit-error ra ou can't s nether tha	atio (the estimate of the num simply divide a count of block at block error count was over	ber of bit errors < errors by a fixe one second or	over that equival ed value to get a one hour.	lent BER,
Proposed	Response	Response Status W									
PROF	POSED ACCEPT.										

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				-				
C/ 152 SC 152.6.4	P 75	L 8	# 9	C/ 152	SC 152.7	P 77	L 2	# 43
Bruckman, Leon	Huawei			Trowbridge	e, Steve	Nokia		
Comment Type T	Comment Status D			Comment	Type ER	Comment Status D		
The "FEC bypass indica the FEC error indication	ation ability" bit when set to a function can be bypass. Se	a one one indic e text in clause	ates that the bypass of 91.6.2.	Need t clause	o replace vestigi number.	al "Clause 200" from the Frar	neMaker templa	ate with the actual
SuggestedRemedy				Suggested	Remedy			
Change: "This variable i error indication.",	s set to one to indicate that	the decoder ha	as the ability to bypass	Chang 6, page	e "Clause 200" to e 77 line 34.	o Clause 152" in the title of cl	ause 152.7, and	l also on page 77 line
to: "This variable is set t indication function."	to one to indicate that the de	ecoder has the	ability to bypass error	Proposed PROP	Response OSED ACCEPT.	Response Status W		
Proposed Response	Response Status W			C/ 153	SC 153.1.1	P 81	L 81	# 62
PROPOSED ACCEPT I	N PRINCIPLE.	the deceder be	a the chility to hyperce	Brown, Ma	itt	Huawei Techr	nologies Canada	3
error indication.",		the decoder ha	is the ability to bypass	Comment	Туре Е	Comment Status D	0	
· · · · · · · · · · · · · · · · · · ·				"stairca	ase" should not b	be capitalized.		
to: "I his variable is set i error indication function	to one to indicate that the de	ecoder has the	ability to bypass the	Suaaested	Remedv			
0/ 450 00 450 0 7	075	1.00	" [10]	Chang	e "Staircase" to '	"staircase".		
C/ 152 SC 152.6.7	P15	L 26	# 10	Proposed I	Response	Response Status W		
Bruckman, Leon	Huawei			, PROP	, OSED ACCEPT.			
Comment Type E	Comment Status D		bucket					
Missing word				C/ 153	SC 153.2.1	P82	L12	# 11
SuggestedRemedy				Bruckman	, Leon	Huawei		
Change: "This variable a (see 152.5.4.3).",	assigned by the FEC alignm	ient state diagra	am shown in Figure 91-9	Comment fec_ali	<i>Type</i> T gn_status is a no	Comment Status D		
to: "This variable is assi (see 152.5.4.3)."	gned by the FEC alignment	state diagram	shown in Figure 91-9	Suggested Replac	<i>Remedy</i> ce "fec align sta	tus" . with: "fecl align indicat	ion" twice in this	s sentence. Details of
Proposed Response	Response Status W			remed	y are presented i	n contribution bruckman_3ct	_01_0320.	
PROPOSED ACCEPT.				Proposed I	Response	Response Status W		
				PROP Pendir	OSED ACCEPT	IN PRINCIPLE. nd Task Force discussion		

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C/ 153	SC 153.2.1	P 82	L16	# 63	C/ 153	SC 153.2.3.	2.4 P85	L 50	# 13			
Brown, Ma	att	Huawei Tech	nologies Canada		Bruckma	n, Leon	Huawei					
<i>Comment</i> The te	<i>Type</i> T xt in this parapra	Comment Status D ph does not match the archit	ecture. There are	<i>bucket</i> three cases to	Comment Text	<i>Type</i> E needs to be fixed	Comment Status D		bucke			
consid Case # Case # Case # the PC	er as follows. #1: SC-FEC conr #2: SC-FEC conr #3: SC-FEC is cc :S.	nects directly to the PCS. nects directly to the Inverse F nnnected to a Clause 83 PMA	S-FEC, RS-FEC	, Clause 135 PMA, etc. CAUI-4 or CAUI-10 to	Suggeste Chan to: "	dRemedy ge: "as the rati .as the ratio of th	os of the two clock rates do not ne two clock rates does not provi	provide a cas de a case wł	se where", here."			
This p	aragraph should	address both Case #2 and #	3.									
Suggested	lRemedy											
Replac "The F service PMA ("The F service (see C	Replace the paragraph with the following: "The PCS may be connected to the SC-FEC using a physical instantiation of the PMA service interface (see Annex 83A, Annex 83B, Annex 83D, and Annex 83E) in which case PMA (see Clause 83) is a client of the FEC service interface." "The PCS may be connected to the SC-FEC using a physical instantiation of the PMA service interface (see Annex 135E and Annex 135G) in which case an Inverse RS-FEC (see Clause 152) is a client of the FEC service interface." <i>poposed Response</i> Response Status Z					SC 153.2.3. n, Leon : <i>Type</i> E no clear dRemedy	2.4 P87 Huawei Comment Status D	<i>L</i> 3	# <u>1</u> 4			
Proposed	Response	Response Status Z			Chan	ge: "so this num	ber are transmitted",					
PROP	OSED REJECT.	,			to: "so this amount of octets are transmitted"							
This c	omment was WI	THDRAWN by the commenter	r.		Proposed Response Response Status W							
Cl 153 Bruckman Comment GMP r the cas payloa	SC 153.2.3.2 , Leon <i>Type</i> E equires that carrise for 100GBASI d rate.	4 P85 Huawei Comment Status D ier signal payload rate is larg E-ZR of course, but it will be	L16 er than the carrie peneficial to indic	# 12 ed signal rate. This is cate the carrier signal	PROI Chan "so 1	POSED ACCEP ge Change: "so 89x80 octets are	T IN PRINCIPLE. this number are transmitted", to transmitted"					
Suggested At the (255/2	<i>Remedy</i> end of sentence: 27) × (3800 / 408	"The Payload area of the S 30) × 99.5328 Gb/s ±20 ppm	C-FEC frame has ", add: "(~104.13	a capacity of 367 Gb/s)"								
Proposed PROP	Response OSED ACCEPT.	Response Status W										

C/ 153 SC 153.2.3.2.4

Huawa T Comment Status cification for the FEC lane sk utput. It would be reasonable notion (see Table 80-6 and Ta by sentence at the end of 153 f the FEC transmit function the the Skew Variation between land <i>Be Response Status</i> EJECT. rresponding specification in co that can be generated in the erated from above. Given that	ei Technologies Canada D ew or PMA lane Skew Va to use the same number able 80-7). 2.3.2.7. te Skew between FEC la PMA lanes shall be no m W ther clauses (e.g., Claus	ariation for the SC- s used for the RS- nes shall be no more ore than 0.4 ns."	Brown, Matt Comment Type The "support" of of Skew and Ske the same number SuggestedRemedy Change the sen ns between FEC lanes and a may Proposed Response	Comr. Skew and Skew w Variation. Als ers used for the ence to: "The F imum Skew Va <i>Respo</i>	Huawei Techn ment Status D w Variation is ambig so, the numbers are RS-FEC receive func- EC receive function riation of 4 ns betwe	nologies Canada uous. Presumabl still TBD; it woul nction (see Table shall tolerate a n een PMA lanes."	e this means tolerance d be reasonable to use 80-6 and Table 80-7). naximum Skew of 180
T Comment Status cification for the FEC lane sk utput. It would be reasonable notion (see Table 80-6 and Ta set the see Table 80-6 and Ta set the Status status f the FEC transmit function the the Skew Variation between lane <i>Response Status</i> EJECT. rresponding specification in co that can be generated in the erated from above. Given that	D ew or PMA lane Skew Va to use the same number able 80-7). .2.3.2.7. the Skew between FEC la PMA lanes shall be no m W ther clauses (e.g., Claus	ariation for the SC- s used for the RS- nes shall be no more ore than 0.4 ns."	Comment Type The "support" of of Skew and Ske the same numbe SuggestedRemedy Change the sen ns between FEC lanes and a may Proposed Response	Comr. Skew and Skew w Variation. Als ers used for the ence to: "The F imum Skew Var <i>Respo</i>	ment Status D w Variation is ambig so, the numbers are RS-FEC receive fun EC receive function riation of 4 ns betwe	uous. Presumabl still TBD; it woul nction (see Table shall tolerate a n een PMA lanes."	e this means tolerance d be reasonable to use 80-6 and Table 80-7). naximum Skew of 180
cification for the FEC lane sk utput. It would be reasonable notion (see Table 80-6 and Ta and sentence at the end of 153 f the FEC transmit function the the Skew Variation between the <i>Response Status</i> EJECT. rresponding specification in co that can be generated in the erated from above. Given that	ew or PMA lane Skew Va to use the same number able 80-7). .2.3.2.7. le Skew between FEC la PMA lanes shall be no m W ther clauses (e.g., Claus	ariation for the SC- s used for the RS- nes shall be no more ore than 0.4 ns."	The "support" of of Skew and Ske the same number SuggestedRemedy Change the sen ns between FEC lanes and a may Proposed Response	Skew and Skew w Variation. Als ers used for the ence to: "The F imum Skew Van <i>Respo</i>	w Variation is ambig so, the numbers are RS-FEC receive fun EC receive function riation of 4 ns betwe	uous. Presumabl still TBD; it woul action (see Table shall tolerate a n een PMA lanes."	e this means tolerance d be reasonable to use 80-6 and Table 80-7). naximum Skew of 180
ng sentence at the end of 153 f the FEC transmit function the the Skew Variation between the <i>Response Status</i> EJECT. rresponding specification in contract of the that can be generated in the erated from above. Given that	.2.3.2.7. le Skew between FEC la PMA lanes shall be no m W ther clauses (e.g., Claus	nes shall be no more ore than 0.4 ns."	SuggestedRemedy Change the sen ns between FEC lanes and a may Proposed Response	ence to: "The F imum Skew Va <i>Respo</i>	EC receive function riation of 4 ns betwe	shall tolerate a n een PMA lanes."	naximum Skew of 180
Ing sentence at the end of 153 of the FEC transmit function the the Skew Variation between the end Response Status EJECT. The sponding specification in con- that can be generated in the erated from above. Given that	.2.3.2.7. The Skew between FEC la PMA lanes shall be no m W ther clauses (e.g., Claus	nes shall be no more ore than 0.4 ns."	Change the sen ns between FEC lanes and a may Proposed Response	ence to: "The F imum Skew Va <i>Respo</i>	EC receive function	shall tolerate a n een PMA lanes."	naximum Skew of 180
e Response Status EJECT. responding specification in c that can be generated in the erated from above. Given that	W ther clauses (e.g., Claus	- 04) to the	Proposed Response	Respo	neo Status M		
EJECT. rresponding specification in c that can be generated in the erated from above. Given tha	ther clauses (e.g., Claus						
rresponding specification in o that can be generated in the erated from above. Given that	ther clauses (e.g., Claus		PROPOSED AC	CEPT.			
erated from above. Given that	TX direction - only as to	e 91) as to the the amount of skew	C/ 153 SC 15	3.2.3.3.5	P 89	L 34	# 16
a deakewed, no reason to the	t this is "logic only" after	the PCS lanes from	Bruckman, Leon		Huawei		
e skew to be tolerated above	is described in 153.2.3.2	.2. If a limit is added	Comment Type	Comr	ment Status D		
t would be generated as well	as tolerated by the subla	ayer, an additional Tx	Since OTN devi	es may be use	d to implement the 1	100GBASE-ZR, a	and these devices
tem needs to be added for th	S.		support Cm valu	es other than 18	88 and 189, there m	ay be failure case	es in which the GMP
53.2.3.3.1 P88	L 41	# 15	GMP demmape	do in this case	? Also what is expe	ected the GMP de	mapper to do if
Huawe	ei		DI=II=1 ?	d there may be	a implementations h		aivers that will be able
TR Comment Status dentification from alignment.	D add reference to the lane	identification state	to handle the sit	uation, but there	e may also be 100Gl	BASE-ZR targete	d reduced functionality
5 ,			SuggestedRemedy	that only accep			
			Add the followin	n sentence: "If a	C13:C0 value other	r than 188 or 189	or DI=1 and II=1 is
dy including propossed text for	or this clause is presente	d in contribution	received, the GM	IP demapper be	ehavior is undefined	."	
01_0320.			Proposed Response	Respo	nse Status W		
e Response Status	W		PROPOSED AC	CEPT IN PRIN	CIPLE.		
Itation and Task Force discus	sion		Implement the p	roposed resolut	ion.		
			There is no harn there is no stand GMP. So any O generating the ir	n in adding this s lardized mappin FN kit that imple idicated values)	sentence, although v ng of a client other th ements GMP mappir	while the GMP m nan 100GBASE-F ng of a client into	echanism is generic, ≀ directly into OPU4 via OPU4 should only be
	e skew to be tolerated above at would be generated as well item needs to be added for thi 53.2.3.3.1 P88 Huawe TR Comment Status identification from alignment, a dedy including propossed text for 01_0320. e Response Status CCEPT IN PRINCIPLE. ntation and Task Force discus	e skew to be tolerated above is described in 153.2.3.2 at would be generated as well as tolerated by the subla item needs to be added for this. 53.2.3.3.1 P88 L41 Huawei TR Comment Status D identification from alignment, add reference to the lane dy including propossed text for this clause is presented 01_0320. e Response Status W CCEPT IN PRINCIPLE. htation and Task Force discussion	e skew to be tolerated above is described in 153.2.3.2.2. If a limit is added at would be generated as well as tolerated by the sublayer, an additional Tx item needs to be added for this. 53.2.3.3.1 P88 L41 # 15 Huawei TR Comment Status D identification from alignment, add reference to the lane identification state dy including propossed text for this clause is presented in contribution _01_0320. e Response Status W CCEPT IN PRINCIPLE. htation and Task Force discussion	 In the second procession of the secon	 be skew to be tolerated above is described in 153.2.3.2.2. If a limit is added at would be generated as well as tolerated by the sublayer, an additional Tx item needs to be added for this. 53.2.3.1 P88 L41 # 15 TR Comment Status D Indentification from alignment, add reference to the lane identification state of handle the situation, but there may be to handle the situation, but there implementations that only accept of the following sentence: "If a received, the GMP demapper be CEPT IN PRINCIPLE. Response Status W CCEPT IN PRINCIPLE. Thation and Task Force discussion 	 be skew to be tolerated above is described in 153.2.3.2.2. If a limit is added at would be generated as well as tolerated by the sublayer, an additional Tx item needs to be added for this. 53.2.3.1 P88 L41 # 15 FR Comment Status D Ite dentification from alignment, add reference to the lane identification state Comment Status N CCEPT IN PRINCIPLE. Intation and Task Force discussion CCEPT IN PRINCIPLE. Intation and Task Force discussion CCEPT IN PRINCIPLE. Item on and Task Force discussion CCEPT IN PRINCIPLE. Item on a total contribution of the total contribution. COEPT IN PRINCIPLE. Item on and Task Force discussion CCEPT IN PRINCIPLE. Item on a total contribution. CCEPT IN PRINCIPLE. Item on and Task Force discussion CCEPT IN PRINCIPLE. Item on and Task Force discussion CCEPT IN PRINCIPLE. Item on a total contribution. CCEPT IN PRINCIPLE. Item on a total contribution. COEPT IN PRINCIPLE. Item on a total contribution. COEPT IN PRINCIPLE. Item on and Task Force discussion COEPT IN PRINCIPLE. Item on a total contribution. COEPT IN PRINCIPLE. Item on the proposed resolution. There is no harm in adding this sentence, although there is no standardized mapping of a client other the GMP. So any OTN kit that implements GMP mapping generating the indicated values) 	 be skew to be tolerated above is described in 153.2.3.2.2. If a limit is added at would be generated as well as tolerated by the sublayer, an additional Tx item needs to be added for this. 53.2.3.3.1 P88 L41 # 15 FR Comment Status D Huawei TR Comment Status D Huawei Comment Status D Huawei Comment Status D Huawei TR Comment Status D Huawei Comment Status D Huawei TR Comment Status D Huawei Comment Status D Huawei TR Comment Status D Comment Status D Huawei TR Comment Status D Comment Status D Huawei Comment Status D Huawei Comment Status D Huawei Comment Status D Huawei TR Comment status D Comment Status D Huawei TR Comment and reference to the lane identification state Comment Status C Huawei Comment Status D Huawei Comment Status C Huawei Comment Status Huawei Comment Status Huawei Comment Status Huawei Comment Status Huawei Comment Status Hua

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C/ 153	SC 153.2.3.3.6	P 89	L 43	# 17	C/ 153	SC 153.2.4.1.1	P 90	L12	# 18
Bruckman	Leon	Huawei			Bruckman	, Leon	Huawei		
Comment	Type TR Com	ment Status D			Comment	Type TR	Comment Status D		
There to clau only or	should be an indication to se 153.2.1 the SIGNAL_ the FEC alignment indic	o the upper layer if b OK parameter of th ation.	lock lock is not a e FEC:IS_SIGNA	chieved, but according L.indication depends	New v identif	ariables are neede ication separation f	d according to the state dia from the alignment process	agrams proposs s.	ed for the lane
Suggested	Remedy				Suggester	Remedy	6 1 1 1 1 1		
Add th in 153.	e clause 82.2.19.2.2 rx_b 2.1. Details of remedy in ution bruckman_3ct_01	lobk_lock indication	to the SIGNAL_ ext for this clause	OK parameter defined is presented in	Add th includi bruckr	ng propossed text nan_3ct_01_0320.	es: fecl_valid and lane_id_ for these variables is prese	detected <x>. De ented in contribu</x>	tion
Dranaad		0020.			Proposed	Response	Response Status W		
Proposed I PROP	OSED ACCEPT IN PRIN	ONSE Status w CIPLE. Force discussion			PROP Pendir	OSED ACCEPT IN ng presentation and	N PRINCIPLE. d Task Force discussion		
					C/ 153	SC 153.2.4.1.1	P 90	L19	# 21
C/ 153	SC 153.2.4.1.1	P 90	L12	# 19	Bruckman	, Leon	Huawei		
Bruckman	Leon	Huawei			Comment	Type TR	Comment Status D		
Comment New va	Type TR Comi ariables are needed acco	<i>ment Status</i> D rding to the update	of the deskew sta	te diagram propossed	In the fas_m	new state diagram atch.	described in bruckman_3c	ct_01_0320 there	e is no need for
In bruc	kman_3ct_01_0320.				Suggested	lRemedy			
Suggested	Remedy				Remo	ve fas_match			
Add th remed bruckn	e following variables: fas y including propossed tex nan_3ct_01_0320.	_status, alignment_\ t for these variables	alid and fec_ena is presented in c	ble_deskew. Details of contribution	Proposed PROP	Response OSED ACCEPT IN	Response Status W PRINCIPLE.		
Proposed I	Response Respo	onse Status W			Pendir	ng presentation and	d Task Force discussion		
PROP Pendir	OSED ACCEPT IN PRIN og presentation and Task	CIPLE. Force discussion			C/ 153 Bruckman	SC 153.2.4.1.1	Р 90 Ниажеі	L 22	# 22
C/ 153	SC 153 2 4 1 1	P90	/ 12	# 20	Comment	Type TR	Comment Status D		
Bruckman	Leon	Huawei	L . .	m 20	fas_va identifi	lid needs to be up ication separation t	dated according to the state from the alignment process	e diagrams prop s.	ossed for the lan
	variable is needed for the		tion state diagram	n propossed in	Suggested	Remedy			
bruckn	nan_3ct_01_0320.				Details	s of remedy includi	ng propossed text for this v	ariable is prese	nted in contributio
Suggested	Remedv				bruckr	nan_3ct_01_0320.			
Add th for this	e following variable: fec_ variable is presented in	align_indication. De contribution bruckm	tails of remedy in an_3ct_01_0320.	cluding propossed text	d text Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.				
Proposed I	Response Respo	onse Status W			Pendir	ng presentation and	d Task Force discussion		
PROP Pendir	OSED ACCEPT IN PRIN	CIPLE Force discussion							

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

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					-						
C/ 153	SC 153.2.4.1.1	P 90	L 29	# 23	C/ 153	SC 153.2.4.3	P 91	L 27	# 26		
Bruckmar	n, Leon	Huawei			Bruckman	, Leon	Huawei				
Comment	Type TR Com	ment Status D			Comment	Type TR C	Comment Status D				
currer identif	nt_fecl needs to be update fication separation from th	ed according to the s e alignment proces	state diagrams pr s.	opossed for the lane	A new bruckr	counter is needed fo nan_3ct_01_0320 to	r the alignmnet loss stat keep the FAS position d	e diagram propo uring loss of alig	ssed in nment		
Suggestee	dRemedy				Suggested	IRemedy					
Detail bruck	s of remedy including prop man_3ct_01_0320.	possed text for this	variable is preser	nted in contribution	Add th this co	e following counter: founter is presented in	as_in_counter. Details o contribution bruckman_	f remedy includiı 3ct_01_0320.	ng propossed text for		
Proposed	Response Respo	onse Status W			Proposed Response Response Status W						
PROF Pendi	POSED ACCEPT IN PRIN ng presentation and Task	ICIPLE. Force discussion			PROPOSED ACCEPT IN PRINCIPLE. Pending presentation and Task Force discussion						
C/ 153	SC 153.2.4.1.1	P 90	L 41	# 24	C/ 153	SC 153.2.4.3	P 91	L 27	# 28		
Bruckmar	n, Leon	Huawei			Bruckman	, Leon	Huawei				
Comment	Type TR Com	ment Status D			Comment	Type TR C	Comment Status D				
fec_la identif	ne needs to be updated a fication separation from th	according to the stat e alignment proces	e diagrams propo s.	ossed for the lane	New c bruckr	ounters are needed fond fond the second s	or the SIGNAL OK state	diagram propos	sed in		
Suggestee	dRemedy				Suggested	IRemedy					
Detail bruck	s of remedy including pro man_3ct_01_0320.	possed text for this	variable is preser	nted in contribution	Add th includi	e following counters: ng propossed text for	align_ok_count and alig these counters is prese	n_bad_count. De ented in contribut	etails of remedy ion		
Proposed	Response Respo	onse Status W			Druckr	nan_3ct_01_0320.	0				
PROF Pendi	POSED ACCEPT IN PRIN ng presentation and Task	CIPLE. Force discussion			Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.						
Cl 153	SC 153.2.4.2	P 91	L15	# 25	Fendi						
Bruckmar	n, Leon	Huawei			C/ 153	SC 153.2.4.3	P 91	L 27	# 27		
Comment	Type TR Com	ment Status D			Bruckman	, Leon	Huawei				
In the	new state diagram descri	bed in bruckman_3	ct_01_0320 there	e is no need for the	Comment	Type TR C	Comment Status D				
FAS_	COMPARE function.				New c	ounters are needed for name act 01,0320	or the lane identification	state diagram pr	opossed in		
Suggeste	dRemedy				Suggostor	IPomody					
Remo	ove the FAS_COMPARE f	unction			Suggestet	e following counters:	feel ok count and feel	had count Deta	ils of remedy including		
Proposed	Response Respo	onse Status W			propos	ssed text for these co	unters is presented in co	ontribution bruck	man_3ct_01_0320.		
PROF	POSED ACCEPT IN PRIN	ICIPLE.			Proposed Response Response Status W						
i enui	ng prosoniation and Task				PROP Pendir	OSED ACCEPT IN P	RINCIPLE. ask Force discussion				

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C/ 153	SC 153.2.4.4	P 91	L 35	# 29	C/ 153	SC	153.2.4.4	P 92	L 47	# 30	
Bruckman	, Leon	Huawei			Bruckman	, Leon		Huawei			
Comment	Type TR	Comment Status D			Comment	Туре	TR	Comment Status D			
The S fec_al	IGNAL_OK param ign_status.	neter of the FEC:IS_SIGNAL	indication primi	tive is driven by	New s	tate dia ss.	grams are	needed to separate the lane	identification fi	om the alignment	
fec_al pre-FE	ign_status is false EC high BER. Acc	e if any lane looses alignmer ording to the text in this cas	nt, but this happe e receiver may b	ns frequently due to e impaired frequently.	Suggested	dRemed	ły				
Suggested	Remedy				New s	tate dia	grams are	presented in contrbution bru	ckman_3ct_01	_0320	
Add a the sta	stability state diag ate diagram are pi	gram for the fec_align_statu resented in contribution bruc	s variable. Detail kman_3ct_01_0	s of remedy including 320	Proposed PROP	Respon OSED	nse ACCEPT I	Response Status W N PRINCIPLE.			
Proposed	Response	Response Status W			Pendi	ng prese	entation ar	I ask Force discussion			
PROP	OSED ACCEPT	IN PRINCIPLE.			C/ 153	SC	153.2.4.4	P 93	L 3	# 31	
Pendir	ng presentation ar	nd Task Force discussion			Bruckman	, Leon		Huawei			
기 153	SC 153.2.4.4	P 92	L13	# 87	Comment	Туре	TR	Comment Status D			
Maniloff, E	Eric	Ciena		buckot	Sever are no	al issue ot define	s with the d, fec_ena	SC-FEC deskew state diagra ble_deskew is always false.	ım: fasalign_sta	atus and all_fas_va	lid
	COMPARE should	d read COMP to be consiste	nt with the left si	de of the block diagram	Suggested	Remed	ly				
Suggested	Remedy				A upd bruckr	ated SC man_3c	C-FEC desl t_01_0321	kew state diagram is present	ed in contrbutic	'n	
Chang	je to COMP				Proposed	Respon	ise	Response Status W			
^{>} roposed PROP Chang	Response OSED ACCEPT I je the state name	Response Status W IN PRINCIPLE. in the box on the right side,	line 13 from FAS	S_COMPARE to COMP	PROP Pendi	OSED /	ACCEPT I entation ar	N PRINCIPLE. Ind Task Force discussion			
C/ 153	SC 153.2.4.4	P 92	L 14	# 88							
√aniloff, E	Fric	Ciena									
Comment FAS_0	<i>Type</i> E COMPAR is a type	Comment Status D		bucket							
<i>uggested</i> chang	<i>IRemedy</i> e FAS_COMPAR	to FAS_COMPARE									
^v roposed PROP	Response OSED ACCEPT.	Response Status W									

C/ 153 SC 153.2.4.4

C/ 153 SC 153.2.4	4.4 <i>P</i> 93	L 3	# 32	C/ 153	SC 153.2	2.5.2	P 93	L 39	# 33
Bruckman, Leon	Huawe			Bruckman	, Leon		Huawei		
Comment Type TR	Comment Status	D		Comment	Type E		Comment Status D		bucket
fec_enable_deskew	is not defined			Text n	ot clear				
SuggestedRemedy				Suggested	lRemedy				
Define fec_enable_c	leskew as follows: "A Boo	olean variable that ena	bles and disables the	Chang	e: "An unco	rrected	FEC codeword is a codewo	rd contains e	errors",
deskew process. Th	e alignment start shall be	e maintained when fec_ t to false when deskew	align_status is false. It	to: "Ar	uncorrected		codeword is a codeword that	t contains err	rore"
				Bronosod	Posponso			contains ch	013
The definition is sim	ilar to the fec_enable_de	skew variable definitior	n in 91.5.4.2.1, without	FIOPOSEU	NESPONSE	ЕРТ	Response Status W		
allowing bits to be di	scarded during the deske	ew process to avoid co	mmunication	FROF	USED ACC				
Proposed Response			LO DENJ.	C/ 153	SC 153.2	2.5.3	P 94	L 1	# 34
		vv		Bruckman	, Leon		Huawei		
Define fec enable of	leskew as follows: "A boo	blean variable that indic	ates the enabling and	Comment	Type TR		Comment Status D		
disabling of the desk	ew process. Data may b	e discarded whenever	deskew is enabled.	Lane i	dentification	validity	MDIO control vailables are	needed for th	he lane identification
True when deskew is	s enabled. False when de	eskew is disabled." MENT_change "fec_e	anahle deskew<=false"	separa	ation from th	e alignn	nent process.		
to "fec_enable_desk	ew<=true"	Wielwi, change ice_c		Suggested	lRemedy				
	- D 0 4	/ 10	# 00	Add S	C-FEC line i	dentific	ation status 1 and 2 register	s, as detaileo	d in contribution
0/153 30 153.2.	b P 94	L10	# 36	bruckr	nan_3ct_01	_0320			
Bruckman, Leon	Huawe			Proposed	Response		Response Status W		
Comment Type TR	Comment Status	D		PROP	OSED ACC	EPT IN	PRINCIPLE.		
Lane identification s	hall be separated from la	ne lock, add the lane id	dentification status.	Fendi	ig presentat	ion anu			
SuggestedRemedy				C/ 153	SC 153.2	2.5.3	P 94	L 8	# 35
Add the lane identified	cation row to Table 153-2	after the second row.	Details of remedy are	Bruckman	, Leon		Huawei		
presented in contribu		0320.		Comment	Type TR		Comment Status D		
Proposed Response	Response Status	W		SC-FE	C align stat	us shall	be driven by the stable fec	alignment ind	dication
PROPOSED ACCER Pending presentation	PT IN PRINCIPLE.	sion		Suggested	IRemedy				
r chang procentatio				Replac	ce fec_align	status	with the new variable fec_al	ign_indicatio	on (used in the SIGNAL
				OK sta	ability state o	liagram	, see bruckman_3ct_01_03	20)	
				Proposed	Response		Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
				PROP	OSED ACC	EPT IN	PRINCIPLE.		
				Pendir	ng presentat	ion and	discussion in the meeting		

C/ 153 SC 153.2.5.3

CI 153	SC 152 2 1	DQA	/ 48	# 27	CI 154	SC 6	D107	/ 25	# 06
Bruckman	30 133.3.1	F 34	L 40	# 37	DoAndroo	lohn	F 107	L 2 3	# 90
Comment		Comment Status D			Commont		Comment Status D		
The S also re	C-FEC not only se eceives 20 paralle	ends 20 parallel bit streams I bit streams from the PMA	to the 100GBAS sublayer.	SE-ZR PMA sublayer, it	This se points	entence is und between the c	lear, "However, it does not enal pptical multiplexer and demultiple	ole interoperabi exer that are lik	lity at multichannel ely to be included in the
Suggester	dRemedy	e: "SC-FFC continuously se	ande " add: "Lik	ewise the 100GBASE	black l transfe	nk" What are r characteristi	multichannel points? If a single cs, then mentioning interoperab	channel is only ility through mu	supported through one ultichannel points is not
ZR PN	A sublayer contir	nuously sends 20 parallel bi	streams to the	SC-FEC sublayer."). Devee ek i			
Proposed	Response	Response Status W			Suggested	Remeay			
PROF	OSED ACCEPT I	N PRINCIPLE.			Diop s				
Add to sends (255/2	o the end of the pa 20 parallel bit stre 227) × 4.97664 Gb	aragraph "Likewise the 1000 eams to the SC-FEC sublay /s ±20 ppm (~5.59049868 0	BASE-ZR PMA er, each at a no bb/s)."	sublayer continuously minal signaling rate of	Proposed I PROP The qu	Response OSED REJEC oted sentence	Response Status W T. e refers to an essential characte	ristic of the bla	ck link, that it contains
C/ 153	SC 153.3.2	P 96	LO	# 66	points interop	where more th erability is not	nan one channel is present in th supported by the specification.	e fiber and that	at those points the
Brown, Ma	att	Huawei Tech	nologies Canad	а	C/ 154	SC 7.2	P111	L11	# 97
Comment	Туре Т	Comment Status D			DeAndrea.	John	Finisar II-VI		
end to howev wavs.	o end skew. Norma ver, the stack for 1	ally, for new 100GBASE PH 00GBASE-ZR is a bit differ	The PMA, but a Ys we would sin ent and the PMA	re essential budgeting nply refer back to 80.5, A is different in various	Comment TBD v	<i>Type</i> T alue for receiv	Comment Status D er damage threshold.		
Suggester	Remedy				Suggested	Remedy			
Define	e skew points in a ed with backgrour	similar way as for 100GBAS nd and proposals.	SE-R/P in 80.5.	A presentation will be	For an km link power	plified links, 4 Total amplifi is realized. Oc	8 channel system can have 48 ed power for +1 dBm launch po ccassionally, mistakes are made	channels launc wer, 48 channe e. and this total	hed at +1 dbm for 80 els, 17.8 dBm total power is applied to a
Proposed PROF	Response POSED ACCEPT I	Response Status W N PRINCIPLE.			receive thresh	er without a De old for receive	eMux or fiber span. Suggest usi r damage threshold.	ng 18 dBm as r	naximum damage
Pendi	ng presentation ar	nd Task Force discussion			Proposed I	Response	Response Status W		
C/ 153	SC 153.3.2.2.	2 P95	L 50	# 38	PROP The po	OSED REJEC wer referred t	T. o is inside the black link. The ch	naracteristics in	side the black link
Bruckman	i, Leon	Huawei			depen	ls on its desig	n and are fundamentally outside	e the scope of t	his specification.
Comment Text n	<i>Type</i> E ot clear	Comment Status D		bucket	Making applica thresh) connections ition, should fu olds.	to other equipment, inside the b undamentally not be taken as a	lack link or eve reference for de	en outside the described efining receiver damage
Suggestee	dRemedy								
Chang strean	ge: "The selection n of DQPSK symb	of the two lanes of the four- ools is arbitrary",	lane interface is	used to form each					
to: "Th DQPS	ne selection of the K symbols is arbi	two lanes of the four-lane in trary"	nterface used to	form each stream of					
Proposed PROF	Response POSED ACCEPT.	Response Status W							

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

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SC 7.2	3/3/2020 1:33:16 PM

C/ 154 SC 8.1	P 110	L 52	# 98	C/ 154	SC 8.1	P1	12	L 19	# 92
DeAndrea, John	Finisar II-VI			DeAndrea	, John	Finis	ar II-VI		
Comment Type T	Comment Status D			Comment	Туре Е	Comment Status	D		
Specific test patte	rns are not required, based on Cla	use 153.2.3.2.5	SC-FEC encoder, and	Consi	der droppi	ng table			
Clause 153.2.3.2.	6 Scrambler for dual polarization o	ptical signals. T	he scrambler and dual	Suaaested	dRemedv				
compliance.	novide enogri randomization for op	lical signal para		Drop t	able since	a specific pattern is not red	quired for	testing transm	itter characteristics.
' SuaaestedRemedv				Proposed	Response	Response Status	W		
Modify 154.8.1 to:	"Compliance is to be achieved in	normal operatio	n, and Clause	, PROF	, POSED RE	JECT.			
153.2.3.2.5 SC-FI pseudo random s	EC encoder, and Clause 153.2.3.2 ignal for transmit parameter measu	6 Scrambler, p irments."	rovide a sufficient	No clarification is provided why a list of test patterns is not required. See also response to comment #90					
Proposed Response	Response Status W			C/ 154	SC 8.2	P1	12	L 33	# 93
PROPOSED ACC				DeAndrea	. John	Finis	ar II-VI		
	orce.			Comment		Comment Status	D		
C/ 154 SC 8.1	P 112	L 6	# 90	elimin	ate sentan	ce.			
DeAndrea, John	Finisar II-VI			Suggester	Remedy				
Comment Type E	Comment Status D			elimin	ate sentan	ce "The transmitter is mod	ulated usir	ng the test pat	tern defined in Table
"Any of the test pa	atterns given for a particular test in	Table 154-12 r	nay be used to perform	154-12	2."			5 1	
that test." is not n	eeded			Proposed	Response	Response Status	w		
SuggestedRemedy				PROP	OSED RE	JECT.			
Remove sentance				See re	esponse to	comment #90			
Proposed Response	Response Status W			C/ 154	SC 8.3	P1	12	L 38	# 94
PROPOSED REJ	ECT.	h a similar Tabl	a with test nattorns as	DeAndrea	, John	Finis	ar II-VI		
for other in-force	optical clauses.		e with test patterns as	Comment	Туре Е	Comment Status	D		
Currently that who	ble part is "TBD".			Modify	/				
C/ 154 SC 8.1	P 112	L16	# 91	Suggested	Remedy				
DeAndrea. John	Finisar II-VI			Chang	ge to: "The	average optical power is m	easured p	per the test set	tup in Figure 53-6."
Comment Type E	Comment Status D			Proposed	Response	Response Status	w		
TBD not required				, PROF	, POSED RE	JECT.			
SuggestedRemedy				No rea	ason has b	een provided why the curre	ent descrip	otion is inappro	priate or wrong.
Eliminate TBD				See a	iso resolut	on to comment #90			
Proposed Response	Response Status W								
PROPOSED REJ	ECT.								
No clarification is #90	provided why TBD would not be re	quired. See als	o response to comment						

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

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C/ 154

SC 8.3

C/ 154	SC 9.1	P 114	L 51	# 95	C/ 154	SC 154.5.2	P104	L 41	# 39		
DeAndrea	a, John	Finisar II-VI			Bruckmar	ı, Leon	Huawei				
Comment Modif	<i>t Type</i> E Ty sentence	Comment Status D			<i>Comment</i> Text n	<i>Type</i> E ot clear	Comment Status D				
Suggeste Chan Proposed PROF No ev inapp The c claus	ggestedRemedy Change to: "whether coupled into a fiber or from an open MDI active output" oposed Response Response Status PROPOSED REJECT. No evidence / description has been provided why the current sentence is wrong or inappropriate. The current sentence is completely consistent with similar sentences in in-force optical clauses. 154 SC 154.3.2 P102 L48 # [73]					Text not clear SuggestedRemedy Change: "The PMD Transmit function shall convert the two DQPSK symbol streams requested by the PMD service interface messages PMD:IS_UNITDATA_0.request to PMD:IS_UNITDATA_1.request into two DQPSK optical signals on orthogonal polarizat and delivered to the MDI,", to: "The PMD Transmit function shall convert the two DQPSK symbol streams request by the PMD service interface messages PMD:IS_UNITDATA_0.request to PMD:IS_UNITDATA_1.request into two DQPSK optical signals on orthogonal polarizat					
Cl 154 Stassar, I Comment TBD t that tl each Suggeste Bapla	SC 154.3.2 Peter t Type TR for skew at SP2, i here is no skew v at 50 Gb/s dRemedy	P102 Huawei Comment Status D SP3, SP4 and SP5 needs a va ariation need to be removed b	L48 alue and additio ecause of the p	# 73	Proposed PROF See re	Response POSED ACCEP esolution to com	Response Status W T IN PRINCIPLE. ment #67				
Repla	ace text by "Skew	at SP2 is limited to 43 ns and	the Skew Varia	ation at SP2 is limited to							

400 ps. The Skew at SP3 (the transmitter MDI) shall be less than 54 ns and the Skew Variation at SP3 shall be less than 600 ps. The Skew at SP4 (the receiver MDI) shall be less than 134 ns and the Skew Variation at SP4 shall be less than 3.4 ns. If the PMD service interface is physically instantiated so that the Skew at SP5 can be measured, then the Skew at SP5 shall be less than 145 ns and the Skew Variation at SP5 shall be less than 3.6 ns."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. For Task Force discussion

C/ 154 SC 154.5.2

C/ 154	SC 154.5.2	P 104	L 44	# 67	C/ 154	SC 154.5.3		P 105	L 39	# 68
Brown, Ma	att	Huawei Tech	nologies Canada	a	Brown, Ma	att	Hu	uawei Techi	nologies Canad	a
Comment	Туре Т	Comment Status D			Comment	Туре Т	Comment Sta	tus D		
The cl tx_syr refere	hange made in D1. nbol parameter. All nce here is somew	2 is incorrect. It is a stream though tx_symbol is earlier hat mysterious.	n of DPQSK sym defined in the re	bols transferred via the ferenced 116.3 its	The cł rx_syr referei "and"	hange made in nbol parameter nce here is son	D1.2 is incorrect. It Although rx_symb newhat mysterious.	is a stream ol is earlier The list of p	of DPQSK syn defined in the r primitives is two	nbols transferred via the eferenced 116.3, its so connector should be
Suggestee	dRemedy				"and"	not "to".				
Chang	ge 154.5.2. to the fo	ollowing:			Suggested	dRemedy				
"The f the Pl interfa	PMD Transmit func MD service ace messages PMD	tion shall convert the two D	QPSK symbol s	treams requested by	Change the text in 154.5.3 to: The PMD Receive function shall convert the composite optical signal received from the MDL into two					
PMD: optica transr specif The P DQPS	IS_UNITDATA_1.re I signals on orthogonit optical ications in this clau MD maps symbols K optical signals a	equest(tx_symbol) into two onal polarizations and deliv use. from each tx_symbol para s specified in Table 154-4.	DQPSK rered to the MDI	all according to the changes to each of the	DQPSK symbol streams for delivery to the PMD service interface using the messages PMD:IS_UNITDATA_ 0.indication(rx_symbol) and PMD:IS_UNITDATA_1.indication(rx_symbol), all according to the receive optical specifications in this clause. The PMD maps the phase changes on each of the DQPSK optical signals to symbols on each rx_symbol parameter as specified in Table 154-4.					
Proposed	Response	Response Status W			Proposed	Response	Response Stat	us W		
PROF Chang reque PMD: into tw accorr The P DQPS	POSED ACCEPT IN ge to "The PMD Tra sted by the PMD se IS_UNITDATA_0.re vo DQPSK optical s ding to the transmit MD maps symbols SK optical signals a	N PRINCIPLE. ansmit function shall conve ervice interface messages equest(tx_symbol) and MD signals on orthogonal polar optical specifications in th from each tx_symbol para s specified in Table 154-4.	rt the two DQPS D:IS_UNITDATA izations and be is clause. meter to phase of	K symbol streams _1.request(tx_symbol) delivered to the MDI, all changes to each of the	PROP Chang "The F MDI in messa 0.indic the red The P each r and th "Table the DO	POSED ACCEP ge to: PMD Receive function two DQPSK ages PMD:IS_L cation(rx_symbol ceive optical sp MD maps the p rx_symbol para le last sentence a 154-4 shows t QPSK rx_symbol	T IN PRINCIPLE. Inction shall conver symbol streams for INITDATA_ b) and PMD:IS_UN ecifications in this c hase changes on e meter as specified i e of 154.5.3 to: he mapping of the p ol streams for delive	t the compo delivery to ITDATA_1.i lause. ach of the r n Table 154 bhase chan ery to the Pi	psite optical sign the PMD servio indication(rx_sy retrieved DQPS 4-4." ge of the retriev MD service inte	nal received from the ce interface using the rmbol), all according to K signals to symbols on red DQPSK signals to rface."
					C/ 154	SC 154.5.4		P 105	L 48	# 69

Brown, Matt	
-------------	--

Bucket

Although the service interface in 116.3 is used as a basis for specification, subclause 154.2 (which specifies the service interface for this PMD) further elaborates (e.g., number of leans, SIGNAL_OK parameter values, etc.) the details. Should reference 154.2 instead.

Comment Status D

Huawei Technologies Canada

SuggestedRemedy

Comment Type **T**

Change "116.3" to "154.2".

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 154	SC 154.5.4	P106	L 6	# 74	C/ 154	SC 154.7.1	P10)9 L49	# 40	
Stassar, F	Peter	Huawei			Bruckmar	n, Leon	Huaw	ei		
Comment	Type TR	Comment Status D			Comment	Type E	Comment Status	D		
TBD fo to ach is prop unam	or Signal_Detect ieve distances up posed to use the polifed cases a low	Fail needs a value. Consider to at least 80 km on the bas common average power valu ver threshold may be necess	ing that this Cla sis of an optical e of -30 dBm a ary	use primary objective is y amplified black liink it nd add a note that for	"Minimum channel spacing" is not defined. SuggestedRemedy "Minimum channel spacing" is defined in ITU-T G.671 clause 3.2.3.17 as: "The centre-to- centre difference in frequency or wavelength between adjacent channels in a WDM device DWDM channel spacings are based on the grid found in [ITU-T G.694.1]. CWDM channel spacings are based on the grid found in [ITU-T G.694.2].".					
Suggested Replan neces	<i>lRemedy</i> ce TBD by "-30" a sary to use a low	and add a note "for applicatio er value".	ns on unamplifi	ed links it may be						
Proposed	Response	Response Status W			So in Recor	clause 154.8 it	can be defined as: "The	e minimum channe	el spacing, as defined in	
PROP For div	OSED ACCEPT	IN PRINCIPLE.	ling		Proposed	Response	Response Status	W		
C/ 154	SC 154.5.4	P106	L 9	# 46	PROF See re	POSED ACCEF	PT IN PRINCIPLE.			
Maguire, V	/alerie	The Siemon (Company		C/ 154	SC 154 7 1	P1 [,]	10 / 5	# 76	
Comment Shoul	<i>Type</i> E d "(compliant 100	Comment Status D IGBASE-R)]" be on the same	line as "AND"?	Bucket	Stassar, F	Peter	Huaw	ei	# <u>1</u> 0	
Suggested Remo Proposed	dRemedy ve extraneous ca Response	rriage return or correct as ne Response Status W	eded.		Comment The T leavin applic impler	<i>Type</i> TR BD for Average g a setting range ation, in line wi mentations the	Comment Status e channel output power ge of 8 dB, sufficient to th remarks made during optical output power ca	D (max) needs a val meet the requirem g previous meeting in be easily adjuste	ue. Proposed is 0 dBm, ients for the 80 km is that for most ed.	
PROP	OSED ACCEPT.				Suggested	dRemedy		, ,		
C/ 154	SC 154.5.4	P106	L 20	# 75	Repla	ce TBD by "0"	(zero)			
Stassar, F	Peter	Huawei			Proposed	Response	Response Status	w		
Comment The T monite	<i>Type</i> TR BD needs to be r pred	Comment Status D eplaced by describing a cond	lition of the sigr	al that is being	PROF For di	POSED ACCEF scussion and c	PT IN PRINCIPLE. onfirmation in Task For	ce meeting.		
Suggested	Remedy									
Repla the av signal	ce "in response to erage optical pov ." by "in response	o the TBD of the optical signative ver of the modulated optical to the average optical powe	al and implemei r of the modula	ntations that respond to red optical signal."						
Proposed PROF	Response OSED ACCEPT	Response Status W IN PRINCIPLE.		-						

For discussion and confirmation in Task Force meeting.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 154 SC 154.7.1 Page 20 of 25 3/3/2020 1:33:16 PM

C/ 154	SC 154.7.1	P 110	L 5	# 99	C/ 154	SC 154.7.2	P 111	L 11	# 77			
Schmitt, M	<i>l</i> latt	CableLabs			Stassar, F							
Comment	Туре Т	Comment Status D			Comment	Type TR	Comment Status D					
For the adopti	e TBD value of "/ ing the same valu	Average channel output powe le as the CableLabs PHYv1.0	r (max)" in Tab specification,	le 154-8, propose which was selected as a	The T above	BD needs to be r the proposed T>	eplaced by a value. It is sug average output power.	gested to specify	y 3 dBm, which is			
safety	threshold (as op	posed to a power level anyon	e thought woul	d ever be used).	SuggestedRemedy							
Suggested	dRemedy				Repla	ce TBD by "3"						
Chang	ge "TBD" to "7" fo	r "Average channel output po	wer (max)" in ⁻	Table 154-8.	Proposed	Response	Response Status W					
Proposed	Response	Response Status W			PROPOSED ACCEPT IN PRINCIPI E							
PROP	OSED REJECT.				For dis	scussion and cor	firmation in Task Force mee	eting.				
This v See al	alue is unnecesa lso resolution to o	rily high for the intended appl comment #76	ication.		C/ 154	SC 154.7.3	P111	L 36	# 78			
C/ 154	SC 154 7 1	P110	/ 26	# 119	Stassar, F	Peter	Huawei					
	vid	Lumontum			Comment	Type TR	Comment Status D					
Commont					At the	January 2020 m	eeting in Geneva it was agre	ed to set the ma	aximum chromatio			
Comment	туре і				disper	sion to 1600 ps/r	nm. This is appropriate for bl	ack links contain	ing 80 km of G.6			
Optica	al return loss tolei	rance should be a minimum v	alue, not maxii	mum. For example, a	fiber. ITU-T SG15 at its recent closing plenary meeting 7 Feb 2020 consented revise							
return	loss from the bla	ICK IINK OF 24 dB Would result	in more power	reflected back into the	Recon	nmendation G.6	94, adding new fiber type G.t	54.E, optimized	for IOW IOSS, DUI			
reflect	ted back into the	transmitter Therefore the lim	it value of 25 o	B is a minimum not a	for us	are inside the bl	ack link because it may be a	new liber type s	erators/users The			
maxim	num.				tor usage inside the black link, because it may be appealing for operators/users. Th case chromatic dispersion over the wavelength range of interest is 24.14 ps/nm. lea							

SuggestedRemedy

Change description to "Optical return loss tolerance (min)"

Proposed Response Response Status W

PROPOSED REJECT.

The indication of "max" for Optical return loss tolerance has been consistently used in all inforce optical clauses, since Clause 52.

The value is not for a minimum value of "return loss" but rather for "return loss tolerance", thus it is about tolerance.

Currently there is no definition of this parameter is Clause 1. It could be confusing whether it should be max or min. If the Task Force feels that it would be needed to modify the current usage of "max" then a request to change it to "min" should be submitted into maintenance.

652 ed with cluded e worst case chromatic dispersion over the wavelength range of interest is 24.14 ps/nm, leading to a worst case link dispersion of 1931 ps/nm. 2000 ps/nm would be an appropriate rounded number for 80 km links. The relevant ITU-T Recommendations provide a difference in maximum attenuation of 0.05 dB/km, implying a loss difference of 4 dB over 80 km.

SuggestedRemedy

Replace 1600 by 2000

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

For discussion and confirmation in Task Force meeting.

C/ 154 SC 154.7.3 3 dB

C/ 154 SC 154.7.3	P 111	L 36	# 86	C/ 154	SC 154.7.3	P111	L 40	# 81		
Stassar, Peter	Huawei			Stassar, P	eter	Huawei				
Comment Type T The term "residual" betw dispersion" may be cont link, which is unlikely in	Comment Status D veen brackets in the parame using and imply usage of di the anticipated applications.	eter name "(resid spersion compe Therefore it is p	dual) chromatic nsation inside the black proposed to remove	Comment Type TR Comment Status D The TBD for "Fiber dispersion slope (max) (S0)" needs to be replaced by a value. 0.05 ps/nm.nm.km is an appropriate minimum for both G.652 and G.654.E fibers avoiding occurrence of FWM						
"(residual)". SuggestedRemedy				Suggested Replac	<i>Remedy</i> ce TBD by 0.05					
Remove "(residual)" in t Proposed Response PROPOSED ACCEPT I For discussion and conf	oth parameter entries in Ta Response Status W N PRINCIPLE. irmation in Task Force mee	ble 154-10. ting.		Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. For discussion and confirmation in Task Force meeting.						
CL 154 SC 154 7 3	P111	/ 37	# 79	C/ 154	SC 154.7.3	P 111	L 42	# 82		
Stassar, Peter Comment Type TR A dispersion of -200 ps/ which are not anticipate chromatic dispersion sh SuggestedRemedy Replace -200 by 0 (zero Proposed Response PROPOSED ACCEPT I	Huawei <i>Comment Status</i> D nm will occur only when usin d to be used in C-band appl build be 0 ps/nm for 0 km.) <i>Response Status</i> W N PRINCIPLE.	ng G.653 (disper ications. Therefo	rsion shifted) fibers, ore the minimum	Stassar, P Comment There with ag Suggested Replac Proposed PROP For dis	eter <i>Type</i> TR should be a valuation greed resolution <i>Remedy</i> the TBD by 25 <i>Response</i> OSED ACCEPT scussion and compared	Huawei <i>Comment Status</i> D ue Of 25 dB for "Minimum opti to comment #88 to D1.1. at th <i>Response Status</i> W TIN PRINCIPLE. nfirmation in Task Force mee	cal return loss a ne January 2020 ting.	t TP2" in accordance) meeting in Geneva		
Cl 154 SC 154.7.3 Stassar, Peter Comment Type TR The parameter "Fiber ze deleted SuggestedRemedy Delete row for "Fiber zel Proposed Response	P111 Huawei Comment Status D tro dispersion wavelength" of Response Status W	L 39 Loes not seem to om Table	# 80	Stassar, P Comment Becau discret Suggested Delete Proposed PROP For dis	eter <i>Type</i> TR se the medium i e reflectance be <i>Remedy</i> row for "Maxim <i>Response</i> OSED ACCEPT scussion and col	Huawei <i>Comment Status</i> D s a black link there should no stween TP2 and TP3" um discrete reflectance betwee <i>Response Status</i> W TIN PRINCIPLE. nfirmation in Task Force mee	t be a requirement the a requirement the TP2 and TP	# 0 <u>5</u> ent for "Maximum 3" from Table		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 154 SC 154.7.3 Page 22 of 25 3/3/2020 1:33:16 PM

C/ 154	SC 154.8.1	P 111	L 1	# 100	C/ 154	SC	154.8.1	P111	L 29	# 101		
Schmitt, I	Matt	CableLabs			Schmitt, Matt CableLabs							
Comment	Туре Е	Comment Status D			Comment	Туре	Е	Comment Status D				
Shoul that it	dn't Table 154-9 l isn't inline with th	be in Sub-clause154.7.2 as in nat text? If not, it should be m	previous draft oved there.	s? Is there a reason	Shouldn't Table 154-10 be in Sub-clause 154.7.3 as in previous drafts? Is there a reason i isn't inline with that text? If not, it should be moved there.							
Suggeste	dRemedy				Suggeste	dRemed	ly					
Move	Table 154-9 back	k into sub-clause 154.7.2.			Move	Table 1	54-10 bac	k into sub-clause 154.7.3.				
Proposed PROF This i public The c	Response POSED REJECT. s a cosmetic issu ation. urrent position of	Response Status W e, which will be dealt with duri the Table is created automati	ng the final ed cally by Adobe	iting just before Framemaker.	Proposed PROF This is public The c	Respor POSED s a cosr ation. urrent p	nse REJECT. netic issue osition of f	Response Status W e, which will be dealt with duri the Table is created automati	ng the final ed cally by Adobe	iting just before Framemaker.		
C/ 154	SC 154.8.1	P 111	L 11	# 102	C/ 154	SC	154.8.1	P111	L 42	# 103		
Schmitt, I	Matt	CableLabs			Schmitt, M	Matt		CableLabs				
Comment For th receiv same signa much dBm.	Type T The TBD value of "I ver if a transmitter as the max output were fed into an higher. Therefor	Comment Status D Damage threshold" in Table 19 and receiver are connected b ut from the transmitter as defin optical ampplifier before being e, for additional safety in this o	54-9, the most ack to back w aed in Table 19 g connected to case, propose	energy that could hit the ould nominally be the 54-8. However, if the o the receiver it could be setting the value to +18	Comment In tab downs "Optic thing other "Optic	<i>Type</i> le 86-10 stream i cal return measur usage in cal return	T), Optical F nto the fib n loss at T ed at the s n 802.3, pi n loss at T	Comment Status D Return Loss is defined as beir er. Therefore, having "Optica P2" in Table 154-10 is redund ame point (one implicitly, one ropose keeping "Optical return P2" from Table 154-10.	ng measured a al return loss" i dant, since the e explicitly). To n loss" in Table	It point TP2 looking n Table 154-8 and y are both the same o be consistent with e 154-8, and removing		
Suggeste Chan	dRemedy ge "TBD" to "18" t	for "Damage threshold" in Tab	le 154-9.		Suggester Delete	dRemed e the rov	<i>ly</i> w from Tal	ble 154-10 for "Optical return	loss at TP2".			
Proposed	Response	Response Status W			Proposed	Respor	nse	Response Status W				

PROPOSED REJECT. The proposed value is unnecessarily high. See resolution to comments #97 and #77. PROPOSED ACCEPT IN PRINCIPLE.

There is no earlier usage of black links inside IEEE 802.3 standards. The optical return loss is a characteristic of the black link between TP2 and TP3. Therefore it is more appropriate to remove it from the transmitter characteristics in Table 154-8 and leave it in Table 154-10.

C/ 154 SC 154.8.1

C/ 154	SC 154.8.1	P 111	L 43	# 104	C/ 154	SC 154.8.1	P 112	L 22	# 122			
Schmitt, M	hmitt, Matt CableLabs					D'Ambrosia, John Futurewei, U.S. Subsidiary of Huawei						
Comment	Туре Т	Comment Status D			Comment Type TR Comment Status D							
Per th reflect	e contribution sta tance between TF	issar_3ct_01_200213, propos 22 and TP3" from Table 154-1	e to remove "M 0.	aximum discrete	There has only been one test pattern defined in Table 154- in that can be used in Table 154-12 for the optical parameters.							
Suggestee	dRemedy				Suggested	lRemedy						
Delete	e the row from Ta	ble 154-10 for "Maximum disc	crete reflectance	e between TP2 and	Chang	e TBD in all opti	cal paramaeter entries to Pa	ttern 5.				
Proposed PROF See re	Response POSED ACCEPT esolution to comn	Response Status W IN PRINCIPLE. nent #83			Proposed PROP See re	Response OSED REJECT. esolution to comn	Response Status W					
CL 454	SC 454 9 4	D112	/ 45	# 101	C/ 154	SC 154.8.1	P 112	L 27	# 120			
0/104		F 112		# 121	D'Ambros	ia, John	Futurewei, U	S. Subsidiary o	f Huawei			
D'Ambros	D'Ambrosia, John Futurewei, U.S. Subsidiary of Huawei					Type TR	Comment Status D					
Comment Type TR Comment Status D The last entry in Table 154-11 is TBD. There are no other defined test patterns.						The last entry in Table 154-12 is TBD. There are no other test parameters requiring a test pattern definition pointing to Table 154-12 in the draft						
Suggestee	dRemedy				Suggested	lRemedy						
1. Del 2. Rer	ete the contents on the the contents of the the contents of the test of test o	of the entire row for the "TBD' 11 to "Test Pattern"	' entry		Delete	the contents of	the entire row for the "TBD" e	entry				
Proposed	Response	Response Status W			Proposed	Response	Response Status W					
PROF No ev appro See a	POSED REJECT. idence has been priate/necessary. Iso resolution to c	provided that not more than c	ne test pattern	is	PROP See re	OSED REJECT.	nents #90 and #123					
C/ 154	SC 154.8.1	P 112	L18	# 123								
D'Ambros	ia, John	Futurewei, U.S	6. Subsidiary of	Huawei								
Comment The tit 11. W	<i>Type</i> E tle for Table 154- /hat is actually be	Comment Status D 12 seems incorrect. The ITes eing defined is the test pattern	t pattern definit s during testing	ions are inTable 154- l of optical paramaeters								
Suggestee	dRemedy											
Chang subcla	ge title of Table 1 auses.	54-12 to "Optical Parameter T	est-pattern def	nitions and related								
Proposed	Response	Response Status W										
PROF The w As so The c	POSED REJECT. hole topic of test on as that has be urrent title is cons	patterns still needs to be corr en established, the correct titl sistent with existing in-force cl	ipleted. e should be de auses	fined.								

C/ 154 SC 154.8.1

C/ 154	SC 154.8.13	P 113	L 47	# 89	C/ 154	SC 154.11	P 117	L 1	# 107
Maniloff,	Eric	Ciena			Nicholl, G	ary	Cisco systems	3	
Commen	t Type E	Comment Status D			Comment	Туре Т	Comment Status D		
The r	each will likely be l	imited to < 80km for the una	mplified case d	ue to the input power	lf Ann	ex J is inserted i	n 154.9.1 then the PICs requir	e updating.	
restri maxii	ction, not the OSNI	R. So the comment "The as	sociated channe	l loss will likely limit the	Suggestee	Remedy			
reach	of these application	ons to less than 80 km spec	ified for amplifie	d applications." should	Add "	General Safety"	PICS entry and use "Conform	ns to J.2" for \	/alue/format.
be in	clause 154.8.13 ra	ther than 154.8.15			Proposed	Response	Response Status W		
Suggeste	edRemedy				PROF	OSED ACCEPT	IN PRINCIPLE.		
Move reach claus	e the text "The asso of these application e 154.8.15 to 154.8 d Response	ociated channel loss will like ons to less than 80 km spec 8.13 Response Status W	y limit the maxir fied for amplifie	num d applications." from	The "(suppo to "Co	General Safety" I rt of comment 1 nforms to J.2" fo	PICS entry is not currently in th 25. Modify any "General Safet or Value/Comment.	ne document b y" entries in re	out there is a proposal in esponse to comment 125
PRO	POSED REJECT.				C/ 154	SC 154 11 1	3 <i>P</i> 118	/ 1	# 125
The c	current sentence ""	The requirement for OSNR(193.6) [unamplit	ied] is intended to	Issenhuth	Tom	Huawei		" [[20
speci 80 kn	ty usage of the sar	ne receiver for unamplified a	applications with iated medium "	likely shorter links than	Comment	Type F	Comment Status D		
has b	een inserted in D1	.1 as a result to comment #	24 to D1.0.		The P	ICs tables startir	ng in 154.11.3 are incomplete.		
This	sentence is about "	OSNR(193.6) [unamplified]			Suggester	Remedy			
C/ 154	SC 154.9.1	P 114	L 44	# 106	Comp	lete the required	PICS tables with the information	ion from issen	huth 3ct 04 0320
Nicholl, G	Sary	Cisco system	s		Proposed	Response	Response Status W		
Commen	t Type T	Comment Status D			PROF	OSED ACCEPT	IN PRINCIPLE.		
P802 P802 to P8 keep	.3cr is harmonizing .3cr is in the 1st W 02.3ct. Coordination this material in syr	general safety references a G ballot recirculation and is on between TFs and the P8 ic.	across all of IEE likely to comple 02.3cr project sl	E 802.3 in Annex J. te the ballot cycle prior hould be maintained to	For TI the Va	⁻ discussion. If a alue/Comment fr	an entry for "General Safety" is om comment 107.	added, align	the Value/Comment with
Suggeste	edRemedy								
Chan equip speci chang	ge "All equipment : oment subject to thi fied in J.2". Add E ges to P802.3cr.	subject to this clause shall c s clause shall conform to th ditor's Note to be removed p	onform to IEC 6 e general safety prior to SA ballo	0950-1." to "All requirements as to align text with					
Proposed	l Response	Response Status W							
PRO	POSED ACCEPT.								

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 154 SC 154.11.13