	.186aa.1	P 36	L 35	# 1	CI 45	SC 45.2.1.1	86ab.8	P38	L 33	# 4
Bruckman, Leon		Huawei			Bruckman, I	Leon		Huawei		
Comment Type T	Commen	t Status D		bucket	Comment T	уре Т	Commer	nt Status D		bucket
The "IFEC bypass in error indication func				e bypass of the FEC l.6.2.		EC bypass inc C error indicati			a one one indica	tes that the bypass of
SuggestedRemedy					SuggestedF	Remedy				
Change: "When set	-			·	Change indicatio		et to one to in	dicate that the d	ecoder has this a	bility to bypass error
to: "When set to a o Proposed Response	Response	oles bypass of the Status W	e error indication	function."		bit is set to or on function."	ne to indicate	that the decoder	r has this ability to	bypass the error
PROPOSED ACCE	PT.				Proposed R	esponse	Respons	e Status W		
C/ 45 SC 45.2.1	.186aa.1	P 36	L 37	# 2	PROPC	SED ACCEP	г.			
Bruckman, Leon		Huawei			C/ 45	SC 45.2.1.1	86ah.2	P 41	L 40	# 5
Comment Type E	Commen	t Status D		bucket	Bruckman, I	Leon		Huawei		
Text not clear					Comment T	ype E	Commer	nt Status D		bucket
SuggestedRemedy				f the Inverse RS-FEC	Inconsis	stent bracketir	g. In clause '	153.2.4.1.1 the v	ariable is indicate	d as: fas_lock <x></x>
152.5.2.3).", to: "Writes to bit 1.2 not have the ability t 152.5.2.3)."				overse RS-FEC does PCS layer (see	clauses Proposed R	45.2.1.186ah	3 to 45.2.1.1 Response	86ai.12. e S <i>tatus</i> W		nes in the following
Proposed Response PROPOSED ACCE	•	e Status W				"fas_lock[x]" 45.2.1.186ai.			5.2.1.186ah.1 to 4	5.2.1.186ah.9 and in
C/ 45 SC 45.2.1	.186aa.2	P 36	L 44	# 3	C/ 45	SC 45.2.1.1	86aj	P 45	L16	# 6
		Huawei			Bruckman, I	Leon		Huawei		
3ruckman, Leon							-	at Status D		
	Commen	t Status D		bucket	Comment T	ype TR	Commer			
Comment Type E Text not clear	Commen	t Status D		bucket	Lane id		all be separat	ed from lane loc	k, so the value of	lane mapping is
Comment Type E Text not clear SuggestedRemedy					Lane id	entification sha ent on the land	all be separat	ed from lane loc	k, so the value of	lane mapping is
Comment Type E Text not clear SuggestedRemedy	this bit are ignoi	red and reads ref	turn a zero if the l	bucket	Lane id depend <i>SuggestedF</i> Add the depend	entification sha ent on the land <i>Remedy</i> Iane identifica ent on these b	all be separat e identification ation status b its instead of	ed from lane loc n status. its to the MDIO a	and make the lane	lane mapping is e mapping register esented in contribution
Comment Type E Text not clear SuggestedRemedy Change: "Writes to t	this bit are ignor to bypass correc t are ignored an	red and reads ref ction.", d reads return a		nverse RS-FEC does	Lane id depend <i>SuggestedF</i> Add the depend bruckm	entification sha ent on the land <i>Remedy</i> Iane identifica	all be separat e identification ation status b its instead of 20.	ed from lane loc n status. its to the MDIO a fas lock. Detalis	and make the lane	e mapping register
Comment Type E Text not clear SuggestedRemedy Change: "Writes to t not have the ability t to: "Writes to this bit have the ability to by	this bit are ignor to bypass correc t are ignored an ypass error corr	red and reads ref ction.", d reads return a ection."		nverse RS-FEC does	Lane id depend <i>SuggestedF</i> Add the depend	entification sha ent on the land Remedy I lane identifica ent on these b an_3ct_01_03	all be separat e identification ation status b its instead of 20.	ed from lane loc n status. its to the MDIO a	and make the lane	e mapping register
Comment Type E Text not clear SuggestedRemedy Change: "Writes to t not have the ability t to: "Writes to this bit have the ability to by	this bit are ignor to bypass correc t are ignored an ypass error corr <i>Response</i>	red and reads ref ction.", d reads return a		nverse RS-FEC does	Lane id depend SuggestedF Add the depend bruckm Response REJEC	entification sha ent on the land Remedy I lane identifica ent on these b an_3ct_01_03 T.	all be separat e identification ation status b its instead of 20. <i>Response</i>	ed from lane loc n status. its to the MDIO a fas lock. Detalis	and make the lane	e mapping register
Text not clear SuggestedRemedy Change: "Writes to t not have the ability t to: "Writes to this bit have the ability to by Proposed Response	this bit are ignor to bypass correc t are ignored an ypass error corr <i>Response</i>	red and reads ref ction.", d reads return a ection."		nverse RS-FEC does	Lane id depend SuggestedF Add the depend bruckm Response REJEC	entification sha ent on the land Remedy I lane identifica ent on these b an_3ct_01_03	all be separat e identification ation status b its instead of 20. <i>Response</i>	ed from lane loc n status. its to the MDIO a fas lock. Detalis	and make the lane	e mapping register

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

4/2/2020 12:07:15 PM

-									
CI 80	SC 80.1.5	P 50	L10	# <u>7</u>	C/ 152	SC 152.6.4	P 75	L 8	# 9
Bruckman,	Leon	Huawei			Bruckmar	ı, Leon	Huawei		
Comment	Туре Е	Comment Status D		bucket	Comment	Туре Т	Comment Status A		
	e 80.1.4 indicates in Table 80-4b	s that the clause 74 FEC is or	otional for 100Gl	BASE-Z, but it is not			cation ability" bit when set to on function can be bypass. S		
Suggested	Remedy				Suggeste	dRemedy			
Add cla	ause 74 to table	80-4b as optional.					e is set to one to indicate tha	t the decoder ha	s the ability to bypass
Proposed I	Response	Response Status W			error	indication.",			
	OSED ACCEPT					his variable is se tion function."	et to one to indicate that the o	lecoder has the a	ability to bypass error
		nt and will be removed from 8 add clause 74 to table 80-4b.	30.1.4, see resp	onse to comment 52,	Response)	Response Status C		
SO the	e is no need to a					EPT IN PRINCIP			
C/ 152	SC 152.5.3.4	P 66	L 38	# 8			e is set to one to indicate that	t the decoder ha	s the ability to bypass
Bruckman,	Leon	Huawei			error	indication.",			
Comment	Туре Е	Comment Status R					et to one to indicate that the o	lecoder has the a	ability to bypass the
		e bit error ratio in the data rec			error	indication function	on."		
		ne BIP block error ratio by sor aw the same wording in other			C/ 152	SC 152.6.7	P 75	L 26	# 10
Suggested	-		002.0 010000, 0	at it obtailed strailige.	Bruckmar	ı, Leon	Huawei		
00		ratio in the data received from	n the far-end PC	S can be estimated by	Comment	Туре Е	Comment Status D		buck
		error ratio by a factor of 1 081		,	Missi	ng word			
to [,] "Th	e bit error ratio ir	n the data received from the f	ar-end PCS can	be estimated by	Suggeste	dRemedy			
		errors by a factor of 1 081 344		be committed by	Chan	ge: "This variabl	e assigned by the FEC align	ment state diagra	am shown in Figure 91-9
Response		Response Status C			(see ?	152.5.4.3).",			
	nearly identical	text to the final para of 91.5.2				his variable is as 152.5.4.3)."	ssigned by the FEC alignmer	t state diagram s	shown in Figure 91-9
genera restore calcula an equ	ted by the far er the sequence o ation converts a b livalent bit-error i time). You can't	sted remedy is technically writed PCS, and the intervening to of bits over which they are call block error ratio (the number cratio (the estimate of the num simply divide a count of block lat block error count was over	ranscode/trans-o culated in the ab of BIP violations ber of bit errors < errors by a fixe	decode steps should osence of errors. The over a unit of time) to over that equivalent ed value to get a BER,	•	Response POSED ACCEP	Response Status W T.		

C/ 153 SC 153.2.1	P 82	L12	# 11	C/ 153	SC 153.2.3.2.4	P 87	L 3	# 14
Bruckman, Leon	Huawei			Bruckman, Le	on	Huawei		
Comment Type T	Comment Status R			Comment Typ	e E Con	nment Status D		
fec_align_status is a	noisy indication			Text no cl	ear			
SuggestedRemedy				SuggestedRe	medy			
	tatus" , with: "fecl_align_indica d in contribution bruckman_3ct		sentence. Details of	Ū.	'so this number are t			
Response	Response Status C			to: "so this	s amount of octets a	e transmitted"		
REJECT.				Proposed Res	sponse Resp	oonse Status W		
Cas response to som	mont 1E				ED ACCEPT IN PRI		ta	
See response to com	ment 15.				Change: "so this num 0 octets are transmit		10	
C/ 153 SC 153.2.3.	.2.4 P85	L16	# 12	C/ 153	SC 153.2.3.3.1	D 99	L 41	# 15
Bruckman, Leon	Huawei					P88	L 4 1	# 15
Comment Type E	Comment Status D			Bruckman, Le		Huawei		
	rrier signal payload rate is larg SE-ZR of course, but it will be			<i>Comment Typ</i> Separate diagram.	be TR Con lane identification fro	nment Status R m alignment, add rei	ference to the lan	e identification state
SuggestedRemedy				SuggestedRe	medy			
	e: "The Payload area of the S(080) × 99.5328 Gb/s ±20 ppm				remedy including pro _3ct_01_0320.	possed text for this	clause is presente	ed in contribution
Proposed Response	Response Status W			Response	Resp	oonse Status C		
PROPOSED ACCEP	т.			REJECT.	,			
C/ 153 SC 153.2.3.	.2.4 P85	L 50	# 13		s technically comple			ent and e process descriptions
Bruckman, Leon	Huawei				lignment and lane ide			
Comment Type E	Comment Status D		bucket		and consistent propo			
Text needs to be fixed	d							
SuggestedRemedy								
Change: "as the rat	ios of the two clock rates do ne	ot provide a case	where",					
to: "as the ratio of th	ne two clock rates does not pro	ovide a case whe	ere."					
Proposed Response	Response Status W							
PROPOSED ACCEP	,							

C/ 153	SC 153.2.3.3.5	P 89	L 34	# 16	C/ 153	SC 153.	2.4.1.1	P 90	L12	# <u>1</u> 8
Bruckman, L	_eon	Huawei			Bruckman	, Leon		Huawei		
Comment Ty	ype T	Comment Status D			Comment	Type TR	e Co	mment Status R		
support	Cm values other	be used to implement th than 188 and 189, there	may be failure cas	es in which the GMP				cording to the state di the alignment proces		ed for the lane
		that are different from the is case ? Also what is ex			Suggestee	dRemedy				
DI=II=1 On the c	? other hand, there	may be implementations	based on OTN rec	eivers that will be able	includ	ing proposse	ed text for tl	ecl_valid and lane_id_ nese variables is pres		
		ut there may also be 100 y accept the values spec				man_3ct_01				
SuggestedR	-	y accept the values spec			Response		Res	ponse Status C		
	-	ce: "If a C13:C0 value ot	hor than 188 or 180	or DI-1 and II-1 is	REJE	CT.				
		pper behavior is undefin			See re	esponse to c	omment 15	i.		
Proposed R		Response Status W			C/ 153	SC 153.	2.4.1.1	P 90	L12	# 19
	SED ACCEPT IN ent the proposed				Bruckman	, Leon		Huawei		
mpioni	sine the proposed				Comment	Type TR	Co	mment Status R		
there is	no standardized i	ng this sentence, althoug mapping of a client other at implements GMP map	than 100GBASE-F	R directly into OPU4 via		ariables are ckman_3ct_		cording to the update	of the deskew sta	ate diagram propossed
generati	ing the indicated	values)	ping of a client into	OP04 should only be	Suggestee	dRemedy				
	-		1.40	"						able_deskew. Details of
C/ 153	SC 153.2.3.3.6		L 43	# 17		nan 3ct 01		ext for these variable	s is presented in	contribution
Bruckman, L		Huawei			Response		_	ponse Status C		
Comment Ty		Comment Status R		a bias sa al la sut a cara andira a	REJE					
to claus		ation to the upper layer i GNAL_OK parameter of nt indication.			See re	esponse to c	comment 15	i.		
SuggestedR	Remedy				C/ 153	SC 153.	2.4.1.1	P 90	L12	# 20
		.2 rx_blobk_lock indicati			Bruckman	, Leon		Huawei		
	tion bruckman 3	edy including propossed	text for this clause	is presented in	Comment	Type TR	co	mment Status R		
Response	—	Response Status C			A new	variable is i	needed for	the SIGNAL OK indic	ation state diagra	m propossed in
REJECT					brucki	man_3ct_01	_0320.			
					Suggestee					
See res	ponse to commer	nt 15.						c_align_indication. De		ncluding propossed text).
					Response		Res	ponse Status C		
					REJE	CT.				
					See re	esponse to c	comment 15	i.		
			D/ / · · ·					2		
		ER/editorial required G atched A/accepted R/re		T/technical E/editorial G/		d 7/with draw		Comn	nent ID 20	Page 4 of 24

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

	1.1 <i>P</i> 90	L19	# <u>2</u> 1	C/ 153 S	C 153.2.4.1.	1 P 90	L 41	# 24
Bruckman, Leon	Huawei			Bruckman, Leo	n	Huawei		
comment Type TR	Comment Status R			Comment Type	TR	Comment Status R		
In the new state diagra fas_match.	am described in bruckman_3c	01_0320 there	is no need for			dated according to the state from the alignment process.		ssed for the lane
uggestedRemedy				SuggestedRem	ledy			
Remove fas_match				Details of r	emedy includ	ing propossed text for this va	ariable is presen	ted in contribution
esponse	Response Status C			bruckman_	3ct_01_0320).		
, REJECT.				Response		Response Status C		
				REJECT.				
See response to comm	nent 15.			See respor	ise to comme	ent 15		
153 SC 153.2.4.1	1.1 <i>P</i> 90	L 22	# 22	· · ·				
uckman. Leon	Huawei			C/ 153 S	C 153.2.4.2	P 91	L15	# 25
omment Type TR	Comment Status R			Bruckman, Leo	n	Huawei		
	updated according to the state	e diagrams propo	ssed for the lane	Comment Type	TR	Comment Status R		
identification separatio	on from the alignment process.				state diagram PARE functic	n described in bruckman_3ct on.	t_01_0320 there	is no need for the
uggestedRemedy	uding proposed toxt for this v	ariable is presen	tod in contribution	SuggestedRem	iedv			
bruckman_3ct_01_032	uding propossed text for this va 20.	anable is present			-	PARE function		
esponse	Response Status C			Response		Response Status C		
REJECT.				REJECT.				
See response to comm	ment 15.			See respor	ise to comme	ent 15.		
		L 29	# 23	C/ 153 S	C 153.2.4.3	P 91	L 27	# 26
153 SC 153.2.4.1	1.1 P 90							
	1.1 290 Huawei			Bruckman, Leo	n	Huawei		
uckman, Leon				Bruckman, Leo <i>Comment Type</i>		Huawei Comment Status R		
ruckman, Leon omment Type TR current_fecl needs to b	Huawei			Comment Type A new cour	TR			
ruckman, Leon omment Type TR current_fecl needs to b	Huawei <i>Comment Status</i> R be updated according to the st			Comment Type A new cour	TR nter is needed 3ct_01_0320	Comment Status R d for the alignmnet loss state		
ruckman, Leon omment Type TR current_fecl needs to b identification separation uggestedRemedy	Huawei Comment Status R be updated according to the st on from the alignment process. uding propossed text for this va		ppossed for the lane	Comment Type A new cour bruckman_ SuggestedRem Add the foll	TR ter is needed 3ct_01_0320 hedy lowing counter	Comment Status R d for the alignmnet loss state	ring loss of aligr remedy includin	nment
Cuckman, Leon Comment Type TR current_fecl needs to be identification separation cuggestedRemedy Details of remedy inclu- bruckman_3ct_01_032	Huawei Comment Status R be updated according to the st on from the alignment process. uding propossed text for this va 20.		ppossed for the lane	Comment Type A new cour bruckman_ SuggestedRem Add the foll this counte	TR ter is needed 3ct_01_0320 hedy lowing counter	Comment Status R d for the alignmnet loss state to keep the FAS position du er: fas_in_counter. Details of d in contribution bruckman_3	ring loss of aligr remedy includin	nment
ruckman, Leon omment Type TR current_fecl needs to b identification separation uggestedRemedy Details of remedy inclu	Huawei Comment Status R be updated according to the st on from the alignment process. uding propossed text for this va		ppossed for the lane	Comment Type A new cour bruckman_ SuggestedRem Add the foll	TR ter is needed 3ct_01_0320 hedy lowing counter	Comment Status R d for the alignmnet loss state to keep the FAS position du er: fas_in_counter. Details of	ring loss of aligr remedy includin	nment

C/ 153 SC 153.2.4.3 P91 L27 # 27	C/ 153 SC 153.2.4.4 P91 L35 # 29
Bruckman, Leon Huawei	Bruckman, Leon Huawei
Comment Type TR Comment Status R	Comment Type TR Comment Status R
New counters are needed for the lane identification state diagram propossed in bruckman_3ct_01_0320. SuggestedRemedy	The SIGNAL_OK parameter of the FEC:IS_SIGNAL.indication primitive is driven by fec_align_status. fec_align_status is false if any lane looses alignment, but this happens frequently due to pre-FEC high BER. According to the text in this case receiver may be impaired frequently.
Add the following counters: fecl_ok_count and fecl_bad_count. Details of remedy inc propossed text for these counters is presented in contribution bruckman_3ct_01_032	ding
Response Response Status C REJECT.	Add a stability state diagram for the fec_align_status variable. Details of remedy including the state diagram are presented in contribution bruckman_3ct_01_0320
REJECT.	Response Response Status C
See response to comment 15.	REJECT.
CI 153 SC 153.2.4.3 P91 L27 # 28	See response to comment 15.
Bruckman, Leon Huawei	C/ 153 SC 153.2.4.4 P92 L47 # 30
Comment Type TR Comment Status R	Bruckman, Leon Huawei
New counters are needed for the SIGNAL OK state diagram propossed in bruckman_3ct_01_0320.	Comment Type TR Comment Status R
SuggestedRemedy	New state diagrams are needed to separate the lane identification from the alignment
Add the following counters: align_ok_count and align_bad_count. Details of remedy	process.
including propossed text for these counters is presented in contribution bruckman_3ct_01_0320.	SuggestedRemedy New state diagrams are presented in contrbution bruckman_3ct_01_0320
Response Response Status C	Response Response Status C
REJECT.	REJECT.
See response to comment 15.	See response to comment 15.
	CI 153 SC 153.2.4.4 P93 L3 # 31
	Bruckman, Leon Huawei
	Comment Type TR Comment Status D Several issues with the SC-FEC deskew state diagram: fasalign_status and all_fas_valid are not defined, fec_enable_deskew is always false.
	SuggestedRemedy
	A updated SC-FEC deskew state diagram is presented in contrbution bruckman_3ct_01_0321
	Proposed Response Response Status W
	Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

153 SC 153.2.4.4	P 93	L 3	# 32	C/ 153	SC 153.2.5.	3 P 94	L 1	# 34
uckman, Leon	Huawei			Bruckman,	Leon	Huawei		
omment Type TR C	Comment Status D			Comment 7	Type TR	Comment Status F	2	
fec_enable_deskew is not c	efined					lidity MDIO control vailab	les are needed for th	e lane identification
iggestedRemedy				-		lignment process.		
Define fec_enable_deskew				Suggested	-	tification status (and O		in contribution
deskew process. The alignr is set to true when deskew					an_3ct_01_03	ntification status 1 and 2 20	registers, as detailed	In contribution
The definition is similar to the	le fec, enable, deskew v	variable definition	in 91 5 4 2 1 without	Response		Response Status	;	
allowing bits to be discarded	d during the deskew pro	cess to avoid cor	nmunication	REJEC	CT.			
impairment during the frequ	•	ses (due to pre-Fl	EC BER).	See res	sponse to com	ment 15.		
oposed Response Re PROPOSED ACCEPT IN P	esponse Status W RINCIPLE.			C/ 153	SC 153.2.5.	3 P94	L 8	# 35
Define fec_enable_deskew				Bruckman,	Leon	Huawei		
disabling of the deskew pro True when deskew is enable			leskew is enabled.	Comment 7	Type TR	Comment Status F	2	
In Figure 153-8 in the state	LOSS_OF_ALIGNMEN		nable_deskew<=false"	SC-FE	C align status :	shall be driven by the sta	ble fec alignment ind	ication
to "fec_enable_deskew<=tr	le"			Suggested	Remedy			
153 SC 153.2.5.2	P 93	L 39	# 33			atus with the new variabl		n (used in the SIGNAL
uckman, Leon	Huawei			OK sta	bility state diag	ram, see bruckman_3ct	_01_0320)	
omment Type E C	Comment Status D		bucket	Response		Response Status	;	
Text not clear				REJEC	CT.			
uggestedRemedy				See res	sponse to com	ment 15.		
Change: "An uncorrected F	EC codeword is a codev	word contains erro	ors",	C/ 153	SC 153.2.5	P 94	L10	# 36
to: "An uncorrected FEC co	deword is a codeword th	hat contains error	s"	Bruckman,	Leon	Huawei		
pposed Response Re	esponse Status W			Comment 7	Type TR	Comment Status F	2	
PROPOSED ACCEPT.				Lane ic	lentification sha	all be separated from lar	e lock, add the lane i	dentification status.
				Suggested	Remedy			
				Add the	e lane identifica	ation row to Table 153-2 tion bruckman_3ct_01_0		Details of remedy are
				Response		Response Status		
				REJEC	CT.	,		
				See rev	ananaa ta aam	mont 15		
				Seelles	sponse to com	ment 15.		
				36616	sponse to com	ment 15.		
				366 16	sponse to com	ment 15.		

	00 485 5		201	1.40	"		00 454	Dici		"
2/ 153	SC 153.3	1	P 94	L 48	# <u>3</u> 7	C/ 154	SC 154.5.2	P 104	L 41	# 39
Bruckmar	i, Leon		Huawei			Bruckman,	Leon	Huawei		
Comment	Type E	Comment	Status D			Comment	Туре Е	Comment Status D		
		ly sends 20 paral allel bit streams f			E-ZR PMA sublayer, it	Text no	ot clear			
				Sublayer		Suggested	lRemedy			
00	dRemedy							ransmit function shall convert		
					wise the 100GBASE- C-FEC sublayer."		,	D service interface messages	_	
			•				elivered to the N	1.request into two DQPSK op IDI "	lical signals on c	ninogonal polarizations
,	Response	Response S PT IN PRINCIPLI						, ,		
sends	s 20 parallel bi	e paragraph "Like streams to the S Gb/s ±20 ppm ([,]	C-FEC sublay	er, each at a nom	sublayer continuously ninal signaling rate of	by the PMD:I	PMD service in	it function shall convert the tw tterface messages PMD:IS_U 1.request into two DQPSK op e MDI,"	NITDATA_0.req	uest to
/ 153	SC 153.3	2.2.2	P 95	L 50	# 38	Proposed I	Response	Response Status W		
ruckmar	i, Leon		Huawei					T IN PRINCIPLE.		
Comment	Tvpe E	Comment	Status D		bucket	See re	solution to com	iment #67		
	not clear	00111110111				C/ 154	SC 154.7.1	P109	L 49	# 40
uggeste	dRemedy					Bruckman,	Leon	Huawei		
Chan	ge: "The selec	tion of the two lar	nes of the four-	lane interface is u	used to form each	Comment	Туре Е	Comment Status A		
	0	ymbols is arbitrar				"Minim	ium channel sp	acing" is not defined.		
to, "T	he coloction of	the two longs of	the four land is	torfang upod to f	orm each stream of	Suggested	Remedy			
	SK symbols is			iteriace used to i	onn each stream or		-	acing" is defined in ITU-T G.6	71 clause 3 2 3 1	17 as: "The centre-to-
	Response	Response S	Status W				•	equency or wavelength betwee		
•	POSED ACCE	,						ings are based on the grid fou	•	94.1]. CWDM channel
FRUF	OSED AULE	ΓΙ.				spacin	as are based o	n the grid found in [ITU-T G.69	94.21.".	

So in clause 154.8 it can be defined as: "The minimum channel spacing, as defined in Recommendation ITU-T G.671, shall be within the limits given in Table 154-8."

Response Status C

Response

ACCEPT IN PRINCIPLE. See resolution to comment #84

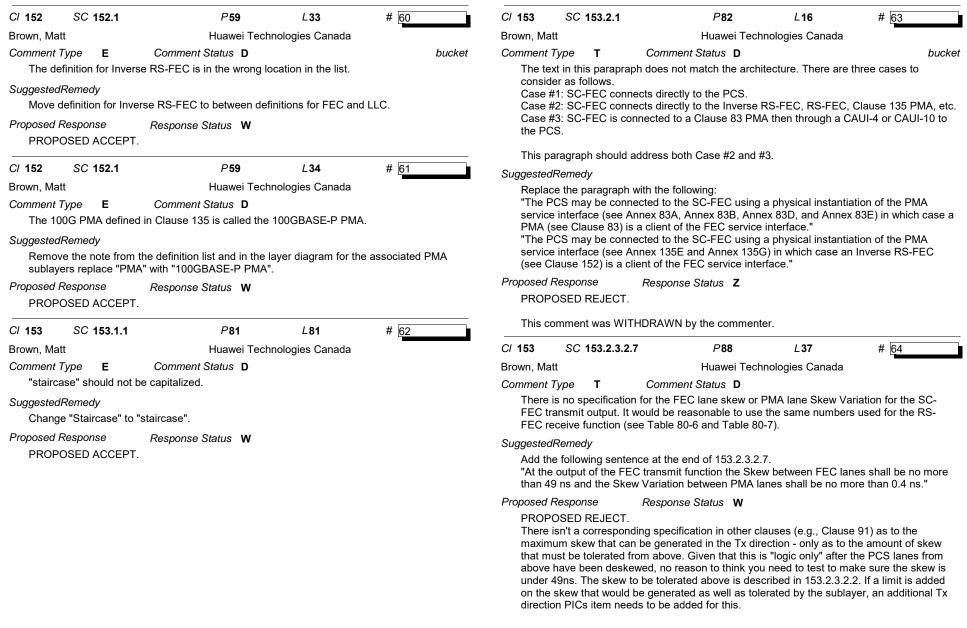
C/ 80	SC 80.1.5	P50	L 3	# 41	C/ 80	SC 80.1	P 49	L12	# 44
Trowbridge,		Nokia	-•		Maguire, Val		The Siemon		
Comment T		Comment Status D		bucket	Comment Ty		Comment Status D	- 1 3	bucke
SuggestedF	Remedy				SuggestedRe	emedy			
	e "Insert Table80- is follows:"	–4 after Table 80-4a as follo	ws:" to "Insert T	able80–4b after Table			R1 and in Clause154: with, e change mark to include th		1, and in Clause154"
Proposed R	Response	Response Status W			Proposed Re	sponse	Response Status W		
PROPC	DSED ACCEPT I	N PRINCIPLE.			PROPOS	SED ACCEPT.			
)–4 after Table 80–4a as foll	ows: "Insert Tab	le 80–4b after Table	CI 80	SC 80.5	P55	L1	# 45
80–4a a	as follows:"				Maguire, Vale	erie	The Siemon	Company	
CI 80	SC 80.2.4	P 51	L 5	# 42	Comment Ty	pe E	Comment Status D		bucke
Frowbridge,	Steve	Nokia			Suggest Editor's N		ation needs to be revisited,	input requested"	be formatted as an
Comment T	<i>уре</i> Е	Comment Status D		bucket					
T I C	t sentence is wro	ong given the additions in the	a rest of the narg	aranh	SuggestedRe	emeay			
The firs		ong given the additions in the	e rescor the para	agraph.	Format '	lakow variation	needs to be revisited input	traducated" as a	n Editoria Nota
SuggestedF	Remedy		e rest of the para	agraph.			needs to be revisited, input	t requested" as a	n Editor's Note.
SuggestedF Change Clause type of	Remedy the entire parag 83 specifies 40G the correspondin	graph to: BASE-R and 100GBASE-R Ig rate. Additional PMAs are	PMAs that may only applicable	be used with any PHY to specific PHY types:	Proposed Re PROPOS		Response Status W N PRINCIPLE.	t requested" as a	n Editor's Note.
SuggestedF Change Clause type of a) Claus b) Claus	Remedy the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies	graph to: BASE-R and 100GBASE-R Ig rate. Additional PMAs are PMA that may be used only a PMA that may be used in	PMAs that may only applicable y in a 100GBASI other 100GBAS	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types.	Proposed Re PROPOS	sponse SED ACCEPT I	Response Status W N PRINCIPLE.	t requested" as a	
SuggestedF Change Clause type of a) Claus b) Claus c) Claus	Remedy the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies se 153 specifies	graph to: BASE-R and 100GBASE-R Ig rate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10	PMAs that may only applicable y in a 100GBASI other 100GBAS	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types.	Proposed Re PROPOS See resp Cl 154	sponse SED ACCEPT I onse to comme SC 154.5.4	Response Status W IN PRINCIPLE. ent 58. P106	L9	n Editor's Note. # 4 <u>6</u>
Suggestedf Change Clause type of a) Clau: b) Clau: c) Clau: Proposed R	Remedy the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies se 153 specifies	graph to: BBASE-R and 100GBASE-R grate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W	PMAs that may only applicable y in a 100GBASI other 100GBAS	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types.	Proposed Re PROPOS See resp C/ 154 Maguire, Vale	sponse SED ACCEPT I onse to comme SC 154.5.4 erie	Response Status W IN PRINCIPLE. ent 58. P 106 The Siemon	L9	# <u>46</u>
Suggestedf Change Clause type of a) Clau: b) Clau: c) Clau: Proposed R PROPC	Remedy the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies se 153 specifies Response OSED ACCEPT II	graph to: BASE-R and 100GBASE-R Ig rate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W N PRINCIPLE.	PMAs that may only applicable y in a 100GBASI other 100GBAS 00GBASE-ZR PI	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY.	Proposed Re PROPOS See resp C/ 154 Maguire, Vale Comment Ty	sponse SED ACCEPT I onse to comme SC 154.5.4 erie pe E	Response Status W IN PRINCIPLE. ent 58. P106	L 9 Company	# 4 <u>6</u> Bucke
Suggestedf Change Clause type of a) Claus b) Claus c) Claus Proposed R PROPC Implem	Remedy a the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies se 153 specifies Response DSED ACCEPT II ent the suggeste	graph to: BASE-R and 100GBASE-R Ig rate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W N PRINCIPLE. ed remedy with editoral licens	PMAs that may only applicable y in a 100GBASI other 100GBAS 00GBASE-ZR PI se to ensure pro	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY.	Proposed Re PROPOS See resp C/ 154 Maguire, Vale Comment Ty	sponse SED ACCEPT I onse to comme SC 154.5.4 erie pe E (compliant 1000	Response Status W IN PRINCIPLE. ent 58. P106 The Siemon Comment Status D	L 9 Company	# 4 <u>6</u> Bucke
Suggestedf Change Clause type of a) Claus b) Claus c) Claus Proposed R PROPC Implem	Remedy the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies se 153 specifies Response DSED ACCEPT II ent the suggeste SC 152.7	graph to: BBASE-R and 100GBASE-R grate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W N PRINCIPLE. ed remedy with editoral licens	PMAs that may only applicable y in a 100GBASI other 100GBAS 00GBASE-ZR PI	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY.	Proposed Re PROPOS See resp Cl 154 Maguire, Vale Comment Ty, Should "(SuggestedRe	Sponse SED ACCEPT I onse to comme SC 154.5.4 erie pe E (compliant 1000 emedy	Response Status W IN PRINCIPLE. ent 58. P106 The Siemon Comment Status D	L 9 Company e line as "AND"?	# 4 <u>6</u> Bucke
Suggested/ Change Clause type of a) Clau: c) Clau: Proposed R PROPC Implem C/ 152	Remedy a the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies se 153 specifies Response DSED ACCEPT II ent the suggeste SC 152.7 Steve	graph to: BBASE-R and 100GBASE-R og rate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W N PRINCIPLE. ed remedy with editoral licent <i>P</i> 77 Nokia	PMAs that may only applicable y in a 100GBASI other 100GBAS 00GBASE-ZR PI se to ensure pro	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY.	Proposed Re PROPOS See resp Cl 154 Maguire, Vale Comment Ty, Should "(SuggestedRe	sponse SED ACCEPT I onse to comme SC 154.5.4 erie pe E (compliant 1000 emedy extraneous car	Response Status W IN PRINCIPLE. ent 58. P106 The Siemon Comment Status D GBASE-R)]" be on the same	L 9 Company e line as "AND"?	# 4 <u>6</u> Bucke
Suggested/ Change Clause type of a) Claus b) Claus c) Claus Proposed R PROPC Implem C/ 152 Trowbridge, Comment T Need to	Remedy a the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies se 153 specifies se 153 specifies Sesponse OSED ACCEPT II ent the suggeste SC 152.7 Steve Type ER	graph to: BBASE-R and 100GBASE-R grate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W N PRINCIPLE. ed remedy with editoral licens	PMAs that may only applicable y in a 100GBASI other 100GBAS 00GBASE-ZR PI se to ensure pro	to be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY. per formatting.	Proposed Re PROPOS See resp Cl 154 Maguire, Vale Comment Ty, Should "(SuggestedRe Remove Proposed Re	sponse SED ACCEPT I onse to comme SC 154.5.4 erie pe E (compliant 1000 emedy extraneous car	Response Status W IN PRINCIPLE. ent 58. P106 The Siemon Comment Status D GBASE-R)]" be on the same riage return or correct as ne	L 9 Company e line as "AND"?	# 4 <u>6</u> Bucke
Suggestedf Change Clause type of a) Claus b) Claus c) Claus c) Claus Proposed R PROPC Implem C/ 152	Remedy the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies Response DSED ACCEPT II ent the suggeste SC 152.7 Steve Type ER o replace vestigia number.	graph to: BBASE-R and 100GBASE-R og rate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W N PRINCIPLE. ed remedy with editoral licens <i>P</i> 77 Nokia <i>Comment Status</i> D	PMAs that may only applicable y in a 100GBASI other 100GBAS 00GBASE-ZR PI se to ensure pro	to be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY. per formatting.	Proposed Re PROPOS See resp Cl 154 Maguire, Vale Comment Ty, Should "(SuggestedRe Remove Proposed Re	sponse SED ACCEPT I onse to comme SC 154.5.4 erie pe E (compliant 1000 emedy extraneous car sponse	Response Status W IN PRINCIPLE. ent 58. P106 The Siemon Comment Status D GBASE-R)]" be on the same riage return or correct as ne	L 9 Company e line as "AND"?	# 4 <u>6</u> Bucke
Suggestedf Change Clause type of a) Claus b) Claus c) Claus Proposed R PROPC Implem Cl 152 Trowbridge, Comment T Need to clause to Claus	Remedy the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies Response DSED ACCEPT II ent the suggeste SC 152.7 Steve Type ER o replace vestigia number. Remedy	graph to: BBASE-R and 100GBASE-R og rate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W N PRINCIPLE. ed remedy with editoral licens <i>P</i> 77 Nokia <i>Comment Status</i> D	PMAs that may only applicable y in a 100GBASI other 100GBAS 00GBASE-ZR PI se to ensure pro	to specific PHY types: E-KP4 PHY. E-P PHY types. HY. per formatting. # 43	Proposed Re PROPOS See resp Cl 154 Maguire, Vale Comment Ty, Should "(SuggestedRe Remove Proposed Re	sponse SED ACCEPT I onse to comme SC 154.5.4 erie pe E (compliant 1000 emedy extraneous car sponse	Response Status W IN PRINCIPLE. ent 58. P106 The Siemon Comment Status D GBASE-R)]" be on the same riage return or correct as ne	L 9 Company e line as "AND"?	# 4 <u>6</u> Bucke
Suggestedf Change Clause type of a) Claus b) Claus c) Claus Proposed R PROPC Implem Cl 152 Trowbridge, Comment T Need to clause f Suggestedf Change	Remedy the entire parag 83 specifies 40G the correspondin se 94 specifies a se 135 specifies Response DSED ACCEPT II ent the suggeste SC 152.7 Steve Type ER o replace vestigia number. Remedy a "Clause 200" to 77 line 34.	graph to: BASE-R and 100GBASE-R grate. Additional PMAs are PMA that may be used only a PMA that may be used in a PMA that is used in the 10 <i>Response Status</i> W N PRINCIPLE. ad remedy with editoral licen: <u>P77</u> Nokia <i>Comment Status</i> D al "Clause 200" from the Fran	PMAs that may only applicable y in a 100GBASI other 100GBAS 00GBASE-ZR PI se to ensure pro	to specific PHY types: E-KP4 PHY. E-P PHY types. HY. per formatting. # 43	Proposed Re PROPOS See resp Cl 154 Maguire, Vale Comment Ty, Should "(SuggestedRe Remove Proposed Re	sponse SED ACCEPT I onse to comme SC 154.5.4 erie pe E (compliant 1000 emedy extraneous car sponse	Response Status W IN PRINCIPLE. ent 58. P106 The Siemon Comment Status D GBASE-R)]" be on the same riage return or correct as ne	L 9 Company e line as "AND"?	# 4 <u>6</u> Bucke

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: Comment ID

CI 45	SC 45.2.1	P 24	L 8	# 47	C/ 80	SC 80.1.3	P 49	L16	# 51
Maguire, V	/alerie	The Siemon C	Company		Brown, M	/latt	Huawei Tech	nologies Canada	1
Comment 802.30	<i>Type</i> E cg has published.	Comment Status D		buck		51	Comment Status D ble amendment instruction		bucke
Proposed	ce, "802.3cg-20xx Response	" with, "802.3cg-2019" Response Status W			Cha Imp	ort Figure 80-1 an	"Replace figure 80-1 with the d make the necessary chang		
PROP 	SC 45.2.1.186	6 P 36	L 9	# 48	"In F	igure 80-1, chang	struction to the following: je the list of medium types as)GBASE-P, or 100GBASE-Z		ke-out and underline
Maguire, ∖	/alerie	The Siemon C	Company		Propose	d Response	Response Status W		
Comment 802.30	<i>Type</i> E cg has published.	Comment Status D		bucke		POSED ACCEP			
Suggested Replac	lRemedy ce, "802.3cg-20xx	" with, "802.3cg-2019"			und	er CGMII as follow	and replace with "In Figure 8 /s:)GBASE-P, or 100GBASE-Z	-	
	Response OSED ACCEPT.	Response Status W			C/ 80	SC 80.1.4	P 49	L 25	# 52
		.			Brown, M	/latt	Huawei Tech	nologies Canada	1
C/ 125	SC FM	P 1	L 26	# 49	Comme		Comment Status D		bucke
Brown, Ma <i>Comment</i>		Huawei Techr Comment Status D	nologies Canada	buck	tran	scoding as this on	not relevant and for Clause e of many subfunctions withi		
spellin	Ig					edRemedy			
Suggested Chang	dRemedy ge "EEE" to "IEEE				"Sor	nge to: ne 100GBASE-Z ıse153."	Physical Layer devices also	use the FEC of C	lause 91 or the FEC of
,	Response POSED ACCEPT.	Response Status W				d Response POSED ACCEP ⁻	Response Status W		
C/ 1	SC 1.4	P 22	L 27	# 50	C/ 80	SC 80.2.2	P 50	L 34	# 53
Brown, Ma	att	Huawei Techr	nologies Canada		Brown, M	<i>l</i> att	Huawei Tech	nologies Canada	1
Comment only o	<i>Type</i> E ne defintion	Comment Status D		buck	001111101	••	Comment Status D added to the list of PHY typ	es.	bucke
S <i>uggested</i> Chang	<i>Remedy</i> ge "definitions" to '	'definition"			00	edRemedy 100GBASE-Z to t	he list of PHY types.		
•	Response OSED ACCEPT.	Response Status W			Propose	d Response POSED ACCEP ⁻	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: Comment ID

	P 51	L 6	# 54	C/ 80	SC 80.4	P 52	L 50	# <u>5</u> 7
Brown, Matt	Huawei Tech	nologies Canada		Brown,	Matt	Huawei Tech	nnologies Canada	1 1
Comment Type E There are no changes	Comment Status D marked in the paragraph.		bu		ent Type E need to describe the	Comment Status D e not-shown rows. It is suffic	cient to refer to "u	bucker
SuggestedRemedy Underline the last sent	tence.			00	s <i>tedRemedy</i> ange "unchanged 40)G rows" to "some unchange	ed rows".	
Proposed Response PROPOSED ACCEP1	Response Status W			Yo FE		the table size by deleting ro	ws for MAC, PCS	S, and 100GBASE-R
See response to comr	ment 42.			,	ed Response	Response Status WIIN PRINCIPLE.		
C/ 80 SC 80.3.2	P 51	L 30	# <u>5</u> 5					
Brown, Matt	Huawei Tech	nologies Canada		tab		changed rows not shown" a	nd remove uncha	inged rows from the
Comment Type E Fix amendment marku	Comment Status D		bu	Cl 80	SC 80.5	P55	L1	# 58
SuggestedRemedy				Brown,			nnologies Canada	
Space after "Figure 80	0-4" should be undelined.				ent Type E	Comment Status D		bucke
Proposed Response	Response Status W				proper editor's note.			
PROPOSED ACCEPT	Г.			00	stedRemedy	e by inserting editor's note tl	hat and include "[Editor's noto:"
C/ 80 SC 80.3.2	P 52	L1	# 56		ed Response	Response Status W		
		nalasian Concela			OPOSED ACCEPT.	,		
	Huawei Tech	nologies Canada						
Brown, Matt	Comment Status D	nologies Canada	bu	cket Cl 152	SC 152.1.1	P 58	L11	# 59
Brown, Matt Comment Type E Underlined text is not i	Comment Status D	nologies Canada	bu	cket			L 11 nnologies Canada	
Brown, Matt Comment Type E	Comment Status D required here.	nologies Canada	bu	cket Cl 152 Brown, Comm	Matt ent Type T	Huawei Tech Comment Status D	nnologies Canada	3
Brown, Matt Comment Type E Underlined text is not i SuggestedRemedy Remove underline on	Comment Status D required here. "Figure 80-4a". Response Status W	nologies Canada	bu	cket Cl 152 Brown, Comm Th 10	Matt ent Type T is new sublayer is in	Huawei Tech	nnologies Canada pport of 100GBAS	a SE-ZR which is a
Brown, Matt Comment Type E Underlined text is not i SuggestedRemedy Remove underline on Proposed Response	Comment Status D required here. "Figure 80-4a". Response Status W	nologies Canada	bı	cket C/ 152 Brown, Comm Th 10 10	Matt ent Type T is new sublayer is in 0GBASE-Z PHY and	Huawei Tech <i>Comment Status</i> D tended in this project for sup	nnologies Canada pport of 100GBAS	a SE-ZR which is a
Brown, Matt Comment Type E Underlined text is not i SuggestedRemedy Remove underline on Proposed Response	Comment Status D required here. "Figure 80-4a". Response Status W	nologies Canada	bı	cket C/ 152 Brown, Comm Th 10 10 Sugge Ch "Th FE	Matt ent Type T is new sublayer is in 0GBASE-Z PHY and 0GBASE-R PHYs. stedRemedy ange sentence to: ne Inverse RS-FEC s C) sublayer for	Huawei Tech <i>Comment Status</i> D tended in this project for sup	nnologies Canada oport of 100GBAS SE-P PHYs as w olomon Forward B	a SE-ZR which is a vell. It could be used for
Brown, Matt Comment Type E Underlined text is not i SuggestedRemedy Remove underline on Proposed Response	Comment Status D required here. "Figure 80-4a". Response Status W	nologies Canada	bu	Cket Cl 152 Brown, Comm Th 10 10 Sugge Ch "Th FE 10	Matt ent Type T is new sublayer is in 0GBASE-Z PHY and 0GBASE-R PHYs. stedRemedy ange sentence to: ne Inverse RS-FEC s C) sublayer for	Huawei Tech Comment Status D tended in this project for sup a might be used for 100GBA	nnologies Canada oport of 100GBAS SE-P PHYs as w olomon Forward B	BE-ZR which is a vell. It could be used for



C/ 153 SC 153.2.3.3.1 P88	L 46	# <u>6</u> 5	C/ 154	SC	154.5.2	P104	L 44	# 67
Brown, Matt Huawei Tecl	nologies Canada		Brown, Ma	itt		Huawei Techr	nologies Canada	i
Comment Type T Comment Status D The "support" of Skew and Skew Variation is ambii of Skew and Skew Variation. Also, the numbers are the same numbers used for the RS-FEC receive func- SuggestedRemedy Change the sentence to: "The FEC receive function ns between FEC lanes and a maximum Skew Variation of 4 ns between Proposed Response Response Status W PROPOSED ACCEPT.	e still TBD; it wou inction (see Table n shall tolerate a i	ld be reasonable to use 80-6 and Table 80-7).	tx_syn referei <i>Suggested</i> Chang "The F the PM interfa PMD:I	nange n nbol pai nce her IRemed je 154.5 MD Tra ID serv ce mes S_UNIT	rameter. A e is some fy 5.2. to the ansmit fur rice sages PM FDATA_1.	Comment Status D 1.2 is incorrect. It is a stream Although tx_symbol is earlier what mysterious. following: action shall convert the two D ID:IS_UNITDATA_0.request(request(tx_symbol) into two gonal polarizations and delive	defined in the re QPSK symbol s (tx_symbol) and DQPSK	eferenced 116.3 its treams requested by
Cl 153 SC 153.3.2 P96 Brown, Matt Huawei Tecl Comment Type T Comment Status D Skew tolerance and generation are not specified for end to end skew. Normally, for new 100GBASE PH however, the stack for 100GBASE-ZR is a bit differ SuggestedRemedy Define skew points in a similar way as for 100GBA Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Pending presentation and Task Force discussion	IYs we would sim rent and the PMA	e essential budgeting ply refer back to 80.5, is different in various	transm specifi The P DQPS <i>Proposed</i> PROP Chang reques PMD:I into tw accord The P	nit optic cations MD ma K optic: Resport OSED je to "TI sted by S_UNIT o DQP ding to t MD ma	al in this cla ps symbo al signals ose ACCEPT he PMD T the PMD T the PMD T DATA_0. SK optica the transm ps symbo		meter to phase of t the two DQPS :IS_UNITDATA_ zations and be of s clause. meter to phase of	changes to each of the K symbol streams _1.request(tx_symbol) Jelivered to the MDI, all

C/ 154 SC 154.5.3 P105 L39	# 68	C/ 83C	SC 83C.4	P120	L 8	# 70
Brown, Matt Huawei Technologies Canada		Brown, Mat			Fechnologies Canad	
Comment Type T Comment Status D		Comment 7		Comment Status D	comorgico canaa	bucke
The change made in D1.2 is incorrect. It is a stream of DPQSK symbol rx_symbol parameter. Although rx_symbol is earlier defined in the refer reference here is somewhat mysterious. The list of primitives is two so "and" not "to".	renced 116.3, its	Suggested	Remedy	ould refer to the inserted s v subclause 83C.4 at the o		s follows:"
SuggestedRemedy		Proposed F	Response	Response Status W		
Change the text in 154.5.3 to: The PMD Receive function shall convert the composite optical signal re	acaived from the	PROPO	DSED ACCEP	Т.		
MDI into two DQPSK symbol streams for delivery to the PMD service interface using		C/ 135A	SC 135A	P 122	L1	# 71
PMD:IS_ÚNITDATA_	, ,	Brown, Mat	t	Huawei T	Fechnologies Canad	la
0.indication(rx_symbol) and PMD:IS_UNITDATA_1.indication(rx_symbol the receive optical specifications in this clause.		Comment 7 Editing	51	Comment Status D s carried over from 802.30	cd and is not relevar	bucke nt in 802.3ct.
The PMD maps the phase changes on each of the DQPSK optical sign each rx symbol parameter as specified in Table 154-4.	hais to symbols on	Suggested	Remedv			
Proposed Response Response Status W		00	,	tion at the top of page 122	2.	
PROPOSED ACCEPT IN PRINCIPLE.		Proposed F	•	Response Status W		
Change to: "The PMD Receive function shall convert the composite optical signal r		PROPO	OSED ACCEP	Т.		
MDI into two DQPSK symbol streams for delivery to the PMD service in messages PMD:IS UNITDATA	nterface using the	C/ 135A	SC 135A.3	P 122	L	# 72
0.indication(rx_symbol) and PMD:IS_UNITDATA_1.indication(rx_symbol)	ol), all according to	Brown, Mat	t	Huawei T	echnologies Canad	la
the receive optical specifications in this clause. The PMD maps the phase changes on each of the retrieved DQPSK si each rx symbol parameter as specified in Table 154-4."	ignals to symbols on	Comment 7 Editina	51	Comment Status D build refer to the inserted s	ubclause.	bucke
and the last sentence of 154.5.3 to: "Table 154-4 shows the mapping of the phase change of the retrieved I	DQPSK signals to	Suggested	Remedy			
the DQPSK rx_symbol streams for delivery to the PMD service interfac	e."	U		v subclause 135A.3 at the	end of Annex 135A	as follows:"
Did 154 SC 154.5.4 P105 L48	# 69	Proposed F	Response DSED ACCEP	Response Status W		
Brown, Matt Huawei Technologies Canada						
Comment Type T Comment Status D	Bucket					
Although the service interface in 116.3 is used as a basis for specificati (which specifies the service interface for this PMD) further elaborates (leans, SIGNAL_OK parameter values, etc.) the details. Should reference	e.g., number of					
SuggestedRemedy Change "116.3" to "154.2".						
-						

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: Comment ID

PROPOSED ACCEPT.

2/ 154 S	SC 154.3.2	P 102	L 48	# 73	C/ 154	SC 154.5.4		P 106	L 20	# 75
assar, Peter		Huawei			Stassar, Pe	eter		Huawei		
omment Type	e TR	Comment Status A			Comment 7	Type TR	Comment	Status A		
	is no skew va	SP3, SP4 and SP5 needs a v ariation need to be removed b			monito	red	e replaced by de	escribing a conc	dition of the signa	al that is being
iggestedRen					Suggested					
Replace te 400 ps.The	ext by "Skew e Skew at SF	at SP2 is limited to 43 ns and P3 (the transmitter MDI) shall be less than 600 ps. The Skew	be less than 54 r	ns and the Skew	the ave signal.'	erage optical p	ower of the moo se to the average	dulated optical ge optical powe	•	tations that respond ed optical signal."
less than 1 service inte	134 ns and th erface is phy	he Skew Variation at SP4 sha sically instantiated so that the be less than 145 ns and the S	ll be less than 3.4 Skew at SP5 ca	4 ns. If the PMD an be measured, then	Response ACCEF	PT.	Response	Status C		
than 3.6 ns					C/ 154	SC 154.7.1		P 110	L 5	# 76
esponse		Response Status C			Stassar, Pe	eter		Huawei		
	IN PRINCIPL				Comment 7	Type TR	Comment	Status A		
Implement	t suggested r	emedy with editoral license.			The TE	BD for Average	e channel outpu	t power (max) n	eeds a value. Pi	roposed is 0 dBm,
						a sotting rand	no of 9 dB cuffi	ciont to most th	e requirements f	for the 80 km
	SC 154.5.4	Р 106 Нuawei	L 6	# 74	applica	ition, in line wi		le during previo	us meetings that	
assar, Peter			L 6	# 74	applica	ition, in line wittions the	th remarks mad	le during previo	us meetings that	
assar, Peter omment Type	e TR	Huawei			applica implem Suggested	ition, in line wittions the	th remarks mad optical output p	le during previo	us meetings that	
assar, Peter omment Type TBD for Si to achieve	e TR ignal_Detect distances up	Huawei Comment Status A Fail needs a value. Consideri o to at least 80 km on the bas	ng that this Clau	se primary objective is amplified black liink it	applica implem <i>Suggestedi</i> Replac	ition, in line with the stations the <i>Remedy</i>	th remarks mad optical output p (zero)	le during previo ower can be ea	us meetings that	
assar, Peter mment Type TBD for Si to achieve is propose unamplifed	e TR ignal_Detect distances up ed to use the d cases a low	Huawei <i>Comment Status</i> A Fail needs a value. Consideri	ng that this Clau is of an optically e of -30 dBm and	se primary objective is amplified black liink it	applica implem Suggested	ition, in line wi nentations the <i>Remedy</i> e TBD by "0"	th remarks mad optical output p	le during previo ower can be ea	us meetings that	
issar, Peter mment Type TBD for Si to achieve is propose unamplifec ggestedRen	e TR ignal_Detect distances up ed to use the d cases a low medy	Huawei Comment Status A Fail needs a value. Consider to to at least 80 km on the bas common average power valu ver threshold may be necessa	ng that this Clau is of an optically e of -30 dBm and ry	se primary objective is amplified black liink it d add a note that for	applica implem Suggested Replac Response	ition, in line wi nentations the <i>Remedy</i> e TBD by "0"	th remarks mad optical output p (zero) <i>Response</i>	le during previo ower can be ea	us meetings that	
ssar, Peter nment Type TBD for Si to achieve is propose unamplifec ggestedRen Replace T	e TR ignal_Detect distances up ed to use the o d cases a low <i>medy</i> BD by "-30" a	Huawei <i>Comment Status</i> A Fail needs a value. Consider to to at least 80 km on the bas common average power value ver threshold may be necessar and add a note "for applicatio	ng that this Clau is of an optically e of -30 dBm and ry	se primary objective is amplified black liink it d add a note that for	applica implem Suggested Replac Response ACCEF	ition, in line wi nentations the <i>Remedy</i> the TBD by "0" PT. SC 154.7.2	th remarks mad optical output p (zero) <i>Response</i>	le during previo ower can be ea <i>Status</i> C	us meetings that sily adjusted.	t for most
assar, Peter mment Type TBD for Sin to achieve is propose unamplifed ggestedRen Replace Th necessary	e TR ignal_Detect distances up ed to use the d cases a low medy	Huawei <i>Comment Status</i> A Fail needs a value. Consider to to at least 80 km on the bas common average power value ver threshold may be necessan and add a note "for application er value".	ng that this Clau is of an optically e of -30 dBm and ry	se primary objective is amplified black liink it d add a note that for	applica implem Suggested Replac Response ACCEF Cl 154 Stassar, Pe	ition, in line wi nentations the <i>Remedy</i> the TBD by "0" PT. SC 154.7.2 eter	th remarks mad optical output p (zero) <i>Response</i>	le during previo ower can be ea <i>Status</i> C <i>P</i> 111 Huawei	us meetings that sily adjusted.	t for most
assar, Peter omment Type TBD for Sin to achieve is propose unamplifec uggestedRen Replace Th necessary esponse	e TR ignal_Detect distances up ed to use the o d cases a low <i>medy</i> BD by "-30" a	Huawei <i>Comment Status</i> A Fail needs a value. Consideri to to at least 80 km on the bas common average power value ver threshold may be necessa and add a note "for applicatio er value". <i>Response Status</i> C	ng that this Clau is of an optically e of -30 dBm and ry	se primary objective is amplified black liink it d add a note that for	applica implem Suggested Replac Response ACCEF Cl 154 Stassar, Pe Comment T The TE	ition, in line wi nentations the <i>Remedy</i> the TBD by "0" PT. SC 154.7.2 eter <i>Type</i> TR BD needs to be	th remarks mad optical output p (zero) <i>Response</i> 2 <i>Comment</i>	le during previo ower can be ea Status C P111 Huawei Status A value. It is sugg	us meetings that sily adjusted.	t for most
assar, Peter omment Type TBD for Si- to achieve is propose unamplifed ggestedRen Replace Th necessary esponse ACCEPT I	e TR ignal_Detect e distances up ed to use the o d cases a low medy BD by "-30" a t to use a low	Huawei <i>Comment Status</i> A Fail needs a value. Consideri to to at least 80 km on the bas common average power value ver threshold may be necessa and add a note "for application er value". <i>Response Status</i> C	ng that this Clau is of an optically e of -30 dBm and ry	se primary objective is amplified black liink it d add a note that for	applica implem Suggested Replac Response ACCEF Cl 154 Stassar, Pe Comment T The TE above t Suggested	ition, in line wi nentations the <i>Remedy</i> se TBD by "0" PT. SC 154.7.2 eter <i>Type</i> TR 3D needs to be the proposed	th remarks mad optical output p (zero) <i>Response</i> 2 <i>Comment</i> e replaced by a	le during previo ower can be ea Status C P111 Huawei Status A value. It is sugg	us meetings that sily adjusted.	t for most # [77

2/154 SC	154.7.3	P111	L 36	# <u>7</u> 8	C/ 154	SC 154.7.3	P111	L 40	# 81
tassar, Peter		Huawei			Stassar, P	eter	Huawei		
omment Type	TR	Comment Status A			Comment	Type TR	Comment Status A		
dispersion to fiber. ITU-T \$ Recommend	1600 ps/n SG15 at its ation G.654	eting in Geneva it was agree m. This is appropriate for blac recent closing plenary meetir 4, adding new fiber type G.65 the discussion of the second	k links containii g 7 Feb 2020 c 4.E, optimized f	ng 80 km of G.652 onsented revised or low loss, but with	ps/nm	.nm.km is an ap ence of FWM	persion slope (max) (S0)" propriate minimum for bot		
		natic dispersion values. This n ck link, because it may be ap			Replac	ce TBD by 0.05			
case chroma a worst case number for 8	itic dispersi link disper 0 km links.	on over the wavelength range sion of 1931 ps/nm. 2000 ps/ The relevant ITU-T Recomm	of interest is 2 nm would be an endations provi	4.14 ps/nm, leading to appropriate rounded de a difference in	Response ACCE	PT IN PRINCIP	Response Status C LE.		
uggestedReme	dy	f 0.05 dB/km, implying a loss	difference of 4	dB over 80 km.		e 154-10 replac ce TBD by 0.05.	e for parameter fiber dispe	rsion slope replace	(max) by (min).
Replace 160	0 by 2000				C/ 154	SC 154.7.3	P111	L 42	# 82
esponse ACCEPT.		Response Status C			Stassar, P	eter	Huawei		
ACCEPT.					Comment	Type TR	Comment Status A		
154 SC assar, Peter	154.7.3	P 111 Huawei	L 37	# 79			ue 0f 25 dB for "Minimum of to comment #88 to D1.1.		
mment Type	TR	Comment Status A			Suggested	Remedy			
51		nm will occur only when using	g G.653 (dispers	sion shifted) fibers,	Replac	ce TBD by 25			
		d to be used in C-band applic ould be 0 ps/nm for 0 km.	ations. Therefo	re the minimum	Response ACCE	PT IN PRINCIP	Response Status C LE.		
uggestedReme Replace -200))			Replac	ce TBD by 25 in	Table 154-10.		
esponse		Response Status C			C/ 154	SC 154.7.3	P 111	L 43	# 83
ACCEPT.					Stassar, P	eter	Huawei		
154 SC	154.7.3	P111	L39	# 80	Comment	Type TR	Comment Status A		
assar, Peter	104.7.0	Huawei	200	# 00			is a black link there should etween TP2 and TP3"	not be a requireme	ent for "Maximum
omment Type The paramet deleted	TR er "Fiber ze	Comment Status A ero dispersion wavelength" do	es not seem to	useful. Should be	Suggested Delete		um discrete reflectance be	tween TP2 and TP	3" from Table
lggestedReme		re diaparaian wavalangth" fra			Response ACCE	PT IN PRINCIP	Response Status C LE.		
		ro dispersion wavelength" from			S	anonao ta aomi	nont 101		
esponse ACCEPT IN	PRINCIPLE	Response Status C =.			See re	esponse to comr	nent 104		
Delete row for	or "Fiber ze	ro dispersion wavelength" from	n Table 154-10						
DE: TD/toobni	cal required	d ER/editorial required GR/g	eneral required	T/technical E/editorial G/	deneral		Cor	nment ID 83	Page 16 of 2

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: Comment ID

Comment ID 83

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	SC 1.4	P 22	L	# 84	C/ 153	SC 153.2.4.4	4 P 92	L13	# 87
Stassar, Pe	eter	Huawei			Maniloff, E	ric	Ciena		
Comment T	Type TR	Comment Status A			Comment	Туре Е	Comment Status D		bucket
		tion of channel spacing. The p ecommendation ITU-T G.671.	roposed definiti	on is consistent with	—		Ild read COMP to be consiste	ent with the left s	ide of the block diagram
Suggested	Remedy				Suggested	le to COMP			
wavele are bas	ength between a	el Spacing: The center-to-cent Idjacent channels in a WDM a found in [ITU-T G.694.1]. CW .694.2]."	pplication. DWI	M channel spacings	Proposed PROP	Response OSED ACCEPT	Response Status W IN PRINCIPLE. e in the box on the right side,	, line 13 from FA	S_COMPARE to COMP
Response		Response Status C			C/ 153	SC 153.2.4.4	₽ 92	L14	# 88
ACCER	PT.				Maniloff, E	ric	Ciena		
C/ 1	SC 1.4	P 22	L	# 85	Comment	<i>Type</i> E COMPAR is a ty	Comment Status D		bucket
Stassar, Pe		Huawei			_		po		
Comment T	51	Comment Status A	less The survey	aad dafinitian is	Suggested		R to FAS COMPARE		
		tion of polarization dependent e currently in Recommendatio				—	—		
Suggested	Remedy	,			Proposed PROP	Response OSED ACCEPT	Response Status W		
Add "1	1 1 1010 0010			n loss due to a variation					
of the s	state of polariza	ation dependent loss: The vari tion (SOP) over all SOPs with el wavelength range (CWDM	in the channel f	requency range	C/ 154	SC 154.8.13	P113	L 47	# 89
of the s	state of polariza M link) or chann	tion (SOP) over all SOPs with el wavelength range (CWDM	in the channel f	requency range	Maniloff, E	ric	Ciena	L 47	# 89
of the s (DWDN	state of polariza M link) or chann	tion (SOP) over all SOPs with	in the channel f	requency range	Maniloff, E Comment	ric Type E	Ciena Comment Status A		
of the s (DWDN Response	state of polariza M link) or chann	tion (SOP) over all SOPs with el wavelength range (CWDM	in the channel f	requency range	Maniloff, E <i>Comment</i> The re	ric <i>Type</i> E ach will likely be tion, not the OS	Ciena	amplified case d	ue to the input power
of the s (DWDM Response ACCEF C/ 154	state of polariza M link) or chann PT. SC 154.7.3	ition (SOP) over all SOPs with el wavelength range (CWDM <i>Response Status</i> C	in the channel f and WWDM linl	requency range (s)	Maniloff, E Comment The re restric maxim reach	ric <i>Type</i> E ach will likely be tion, not the OS um of these applica	Ciena Comment Status A Imited to < 80km for the una NR. So the comment "The as tions to less than 80 km spec	amplified case d ssociated channe	ue to the input power el loss will likely limit the
of the s (DWDM Response ACCEF CI 154 Stassar, Pe Comment T	state of polariza M link) or chann PT. SC 154.7.3 eter <i>Type</i> T	ition (SOP) over all SOPs with tel wavelength range (CWDM <i>Response Status</i> C <i>P</i> 111 Huawei <i>Comment Status</i> A	in the channel f and WWDM lini <i>L</i> 36	requency range (s) # 86	Maniloff, E <i>Comment</i> The re restric maxim reach be in c	ric <i>Type</i> E ach will likely be tion, not the OS num of these applica clause 154.8.13	Ciena <i>Comment Status</i> A e limited to < 80km for the una NR. So the comment "The as	amplified case d ssociated channe	ue to the input power el loss will likely limit the
of the s (DWDM Response ACCEF C/ 154 Stassar, Pe Comment T The ter dispers	state of polariza M link) or chann PT. SC 154.7.3 eter Type T rm "residual" be sion" may be co hich is unlikely in	ition (SOP) over all SOPs with lel wavelength range (CWDM <i>Response Status</i> C <i>P</i> 111 Huawei	in the channel f and WWDM lini <i>L</i> 36 ter name "(resid spersion compe	# 86 dual) chromatic nsation inside the black	Maniloff, E Comment The re restric maxim reach be in c Suggestec Move reach	ric <i>Type</i> E ach will likely be tion, not the OS num of these applica clause 154.8.13 <i>IRemedy</i> the text "The ass	Ciena <i>Comment Status</i> A e limited to < 80km for the una NR. So the comment "The as tions to less than 80 km spec rather than 154.8.15 sociated channel loss will like tions to less than 80 km spec	amplified case d sociated channe sified for amplifie	ue to the input power el loss will likely limit the ed applications." should mum
of the s (DWDM Response ACCEF C/ 154 Stassar, Pe Comment T The ter dispers link, wh "(residu	state of polariza M link) or chann PT. SC 154.7.3 eter <i>Type</i> T rm "residual" be sion" may be co hich is unlikely in ual)".	ition (SOP) over all SOPs with el wavelength range (CWDM <i>Response Status</i> C <i>P</i> 111 Huawei <i>Comment Status</i> A etween brackets in the parame onfusing and imply usage of dia	in the channel f and WWDM lini <i>L</i> 36 ter name "(resid spersion compe	# 86 dual) chromatic nsation inside the black	Maniloff, E Comment The re restric maxim reach be in c Suggestec Move reach	ric <i>Type</i> E ach will likely be tion, not the OS of these applica clause 154.8.13 <i>IRemedy</i> the text "The asso of these applica of these applica	Ciena <i>Comment Status</i> A e limited to < 80km for the una NR. So the comment "The as tions to less than 80 km spec rather than 154.8.15 sociated channel loss will like tions to less than 80 km spec 4.8.13	amplified case d sociated channe sified for amplifie	ue to the input power el loss will likely limit the ed applications." should mum
of the s (DWDM Response ACCEF Cl 154 Stassar, Pe Comment T The ter dispers link, wh "(residu Suggested	state of polariza M link) or chann PT. SC 154.7.3 eter <i>Type</i> T rrm "residual" be sion" may be co hich is unlikely in ual)". <i>IRemedy</i>	ition (SOP) over all SOPs with el wavelength range (CWDM <i>Response Status</i> C <i>P</i> 111 Huawei <i>Comment Status</i> A etween brackets in the parame onfusing and imply usage of dia	in the channel f and WWDM lini <i>L</i> 36 ter name "(resid spersion compe Therefore it is p	# 86 dual) chromatic nsation inside the black	Maniloff, E Comment The re restric maxim reach be in c Suggested Move reach clause Response	ric <i>Type</i> E ach will likely be tion, not the OS of these applica clause 154.8.13 <i>IRemedy</i> the text "The asso of these applica of these applica	Ciena <i>Comment Status</i> A e limited to < 80km for the una NR. So the comment "The as tions to less than 80 km spec rather than 154.8.15 sociated channel loss will like tions to less than 80 km spec 4.8.13 <i>Response Status</i> C	amplified case d sociated channe sified for amplifie	ue to the input power el loss will likely limit the ed applications." should mum

/ 154 SC 8.1	P 112	L 6	# 90	C/ 154 SC 8.2	P 112	L 33	# 93
eAndrea, John	Finisar II-VI			DeAndrea, John	Finisar II-VI		
omment Type E	Comment Status D			Comment Type E	Comment Status D		
"Any of the test pattern that test." is not needed	s given for a particular test in ⊺ I	able 154-12 n	nay be used to perform	eliminate sentance.			
uggestedRemedy Remove sentance				SuggestedRemedy eliminate sentance "T 154-12."	he transmitter is modulated usi	ng the test patt	ern defined in Table
roposed Response PROPOSED REJECT. The intent of the senter for other in-force optica	Response Status W	a similar Table	e with test patterns as	Proposed Response PROPOSED REJECT See response to com			
Currently that whole pa				CI 154 SC 8.3	P 112	L 38	# 94
154 SC 8.1	P112	L16	# 91	DeAndrea, John	Finisar II-VI		
eAndrea, John	Finisar II-VI			Comment Type E	Comment Status D		
omment Type E	Comment Status D			Modify			
TBD not required				SuggestedRemedy	<i></i>		
ggestedRemedy				-	age optical power is measured	per the test set	up in Figure 53-6."
Eliminate TBD				Proposed Response	Response Status W		
oposed Response PROPOSED REJECT.	Response Status W	wined Carala		PROPOSED REJECT No reason has been p See also resolution to	provided why the current descrip	otion is inappro	priate or wrong.
#90	ded why TBD would not be req	uired. See also	o response to comment	C/ 154 SC 9.1	P 114	L 51	# 95
154 SC 8.1	P112	L19	# 92	DeAndrea, John	Finisar II-VI		
Andrea, John	Finisar II-VI	2.10		Comment Type E	Comment Status D		
mment Type E	Comment Status D			Modify sentence			
Consider dropping table				SuggestedRemedy			
ggestedRemedy				Ũ	coupled into a fiber or from an o	pen MDI active	e output"
Drop table since a spec	cific pattern is not required for	testing transmi	itter characteristics.	Proposed Response	Response Status W		
posed Response	Response Status W			PROPOSED REJECT	⊺. tion has been provided why the	current senter	nce is wrong or
PROPOSED REJECT.				inappropriate.			-
	ded why a list of test patterns i	s not required		The current sentence	is completely consistent with si	milar sentence	s in in-force ontical

C/154 SC 6	P 107	L25	# 96	C/ 154	SC 8.1	P 110	L 52	# <u>9</u> 8
DeAndrea, John	Finisar II-VI			DeAndrea,	, John	Finisar II-VI		
Comment Type E	Comment Status D			Comment	Туре Т	Comment Status D		
points between the optical black link" What are multic	"However, it does not enab al multiplexer and demultiple ichannel points? If a single nen mentioning interoperable	exer that are like channel is only	ely to be included in the supported through one	Clause	e 153.2.3.2.6 So channels provi iance.	are not required, based on Cla crambler for dual polarization of ide enogh randomization for of	optical signals. 7	The scrambler and dua
SuggestedRemedy				00	,	ompliance is to be achieved in	normal operatio	on and Clause
Drop sentaence.				153.2.	3.2.5 SC-FEC e	encoder, and Clause 153.2.3.2 Il for transmit parameter meas	2.6 Scrambler, p	
Proposed Response I	Response Status W			•	0	•	uments.	
PROPOSED REJECT.				Proposed	•	Response Status W		
points where more than or	ers to an essential character one channel is present in the ported by the specification.	e fiber and that			SED ACCEP	T IN PRINCIPLE. e.		
				C/ 154	SC 154.7.1	P 110	L 5	# 99
C/ 154 SC 7.2	P 111	L11	# 97	Schmitt, M	latt	CableLabs		
eAndrea, John	Finisar II-VI			Comment	Туре Т	Comment Status R		
Comment Type T	Comment Status A						· · · · ·	
				For the	e TBD value of	"Average channel output powe	er (max)" in Tab	le 154-8, propose
TBD value for receiver dar				adopti	ng the same va	lue as the CableLabs PHYv1.	0 specification,	which was selected as
TBD value for receiver dar				adopti safety	ng the same va threshold (as o	"Average channel output powe lue as the CableLabs PHYv1. pposed to a power level anyor	0 specification,	which was selected a
TBD value for receiver dar SuggestedRemedy		channels launch	ned at +1 dbm for 80	adopti safety S <i>uggested</i>	ng the same va threshold (as o <i>IRemedy</i>	lue as the CableLabs PHYv1. pposed to a power level anyor	0 specification, ne thought would	which was selected a d ever be used).
TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po	mage threshold. annel system can have 48 o ower for +1 dBm launch po	wer, 48 channel	ls, 17.8 dBm total	adopti safety S <i>uggested</i>	ng the same va threshold (as o <i>IRemedy</i>	lue as the CableLabs PHYv1.	0 specification, ne thought would	which was selected a d ever be used).
TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po power is realized. Occassi	mage threshold. annel system can have 48 o ower for +1 dBm launch pov sionally, mistakes are made	wer, 48 channel e, and this total (s, 17.8 dBm total power is applied to a	adopti safety S <i>uggested</i>	ng the same va threshold (as o <i>Remedy</i> ge "TBD" to "7" t	lue as the CableLabs PHYv1. pposed to a power level anyor	0 specification, ne thought would	which was selected as d ever be used).
TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po power is realized. Occassi	annel system can have 48 o ower for +1 dBm launch po sionally, mistakes are made or fiber span. Suggest usir	wer, 48 channel e, and this total (s, 17.8 dBm total power is applied to a	adoptii safety <i>Suggestec</i> Chang	ng the same va threshold (as o <i>IRemedy</i> je "TBD" to "7" t	lue as the CableLabs PHYv1. pposed to a power level anyor for "Average channel output p	0 specification, ne thought would	which was selected as d ever be used).
TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po power is realized. Occassi receiver without a DeMux threshold for receiver dam	annel system can have 48 o ower for +1 dBm launch po sionally, mistakes are made or fiber span. Suggest usir	wer, 48 channel e, and this total (s, 17.8 dBm total power is applied to a	adopti safety Suggested Chang Response REJEC	ng the same va threshold (as o <i>IRemedy</i> je "TBD" to "7" i CT.	llue as the CableLabs PHYv1. pposed to a power level anyor for "Average channel output p <i>Response Status</i> C	0 specification, ne thought would	which was selected as d ever be used).
TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po power is realized. Occassi receiver without a DeMux threshold for receiver dam	annel system can have 48 o ower for +1 dBm launch po sionally, mistakes are made or fiber span. Suggest usin nage threshold.	wer, 48 channel e, and this total (s, 17.8 dBm total power is applied to a	adopti safety Suggested Chang Response REJEO See re	ng the same va threshold (as o <i>IRemedy</i> ge "TBD" to "7" i CT. esolution to com	Ilue as the CableLabs PHYv1. opposed to a power level anyor for "Average channel output po <i>Response Status</i> C onment #76	0 specification, ne thought would ower (max)" in T	which was selected as d ever be used). Fable 154-8.
TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po power is realized. Occassi receiver without a DeMux threshold for receiver dam Response ACCEPT IN PRINCIPLE.	annel system can have 48 o ower for +1 dBm launch por sionally, mistakes are made or fiber span. Suggest usin nage threshold. <i>Response Status</i> C	wer, 48 channel e, and this total j ng 18 dBm as m	is, 17.8 dBm total bower is applied to a laximum damage	adoptii safety Suggested Chang Response REJEC See re Cl 154	ng the same va threshold (as o <i>Remedy</i> ge "TBD" to "7" to CT. esolution to com SC 154.8.1	Ilue as the CableLabs PHYv1. opposed to a power level anyor for "Average channel output po <i>Response Status</i> C oment #76 P 111	0 specification, ne thought would	which was selected as d ever be used).
TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po power is realized. Occassi receiver without a DeMux threshold for receiver dam Response ACCEPT IN PRINCIPLE. The TBD was addressed in	annel system can have 48 o ower for +1 dBm launch po sionally, mistakes are made or fiber span. Suggest usin nage threshold.	wer, 48 channel e, and this total j ng 18 dBm as m not attempting t	is, 17.8 dBm total bower is applied to a laximum damage	adoptii safety Suggested Chang Response REJEC See re C/ 154 Schmitt, M	ng the same va threshold (as o <i>Remedy</i> ge "TBD" to "7" CT. esolution to com <i>SC</i> 154.8.1 latt	Ilue as the CableLabs PHYv1. opposed to a power level anyor for "Average channel output po <i>Response Status</i> C oment #76 P111 CableLabs	0 specification, ne thought would ower (max)" in T	which was selected as d ever be used). Fable 154-8.
TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po power is realized. Occassi receiver without a DeMux threshold for receiver dam Response ACCEPT IN PRINCIPLE. The TBD was addressed in	image threshold. annel system can have 48 o ower for +1 dBm launch por sionally, mistakes are made or fiber span. Suggest usin nage threshold. <i>Response Status</i> C in comment 77 however is	wer, 48 channel e, and this total j ng 18 dBm as m not attempting t	is, 17.8 dBm total bower is applied to a laximum damage	adoptii safety Suggested Chang Response REJEC See re C/ 154 Schmitt, M Comment	ng the same va threshold (as o <i>Remedy</i> ge "TBD" to "7" f CT. esolution to com <i>SC</i> 154.8.1 latt <i>Type</i> E	llue as the CableLabs PHYv1. apposed to a power level anyor for "Average channel output po <i>Response Status</i> C ament #76 P111 CableLabs <i>Comment Status</i> D	0 specification, ne thought would ower (max)" in T <i>L</i> 1	which was selected a d ever be used). Fable 154-8. # 100
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TBD value for receiver dar SuggestedRemedy For amplified links, 48 cha km link. Total amplified po power is realized. Occassi receiver without a DeMux of threshold for receiver dam Response ACCEPT IN PRINCIPLE. The TBD was addressed in	image threshold. annel system can have 48 o ower for +1 dBm launch por sionally, mistakes are made or fiber span. Suggest usin nage threshold. <i>Response Status</i> C in comment 77 however is	wer, 48 channel e, and this total j ng 18 dBm as m not attempting t	is, 17.8 dBm total bower is applied to a laximum damage	adoptii safety Suggested Chang Response REJEC See re C/ 154 Schmitt, M Comment Should	ng the same va threshold (as o <i>Remedy</i> ge "TBD" to "7" i CT. esolution to com <i>SC</i> 154.8.1 latt <i>Type</i> E dn't Table 154-9 isn't inline with	llue as the CableLabs PHYv1. apposed to a power level anyor for "Average channel output pr <i>Response Status</i> C ament #76 P111 CableLabs <i>Comment Status</i> D 9 be in Sub-clause154.7.2 as in	0 specification, v ne thought would ower (max)" in T <i>L</i> 1 n previous drafts	which was selected as d ever be used). Fable 154-8. # 100
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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: Comment ID

Comment ID 100

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/ 154 SC 154.8.	1 P111	L 29	# <u>1</u> 01	C/ 154	SC 154.8.	1 P111	L 42	# 103
chmitt, Matt	CableLabs			Schmitt, M	latt	CableLabs	;	
omment Type E	Comment Status D			Comment	Туре Т	Comment Status A		
	-10 be in Sub-clause 154.7.3 as ext? If not, it should be moved		fts? Is there a reason it	downs	tream into the	al Return Loss is defined as fiber. Therefore, having "O	ptical return loss" i	n Table 154-8 and
uggestedRemedy Move Table 154-10	back into sub-clause 154.7.3.			thing r other u	measured at th usage in 802.3	at TP2" in Table 154-10 is re le same point (one implicitly, g, propose keeping "Optical r	one explicitly). To	o be consistent with
roposed Response	Response Status W			"Optic	al return loss a	at TP2" from Table 154-10.		
	CT. sue, which will be dealt with du	ring the final edi	ting just before	Suggested Delete	,	Table 154-10 for "Optical ret	urn loss at TP2".	
publication. The current position	of the Table is created automa	tically by Adobe	Framemaker.	Response ACCE		Response Status C PLE.		
/ 154 SC 154.8.	1 <i>P</i> 111	L11	# 102					
chmitt, Matt	CableLabs			Remo	ve "Optical ret	urn loss" in Table 154-8 and	leave it in Table 1	54-10.
omment Type T	Comment Status A			C/ 154	SC 154.8.1	1 P111	L 43	# 104
	f "Damage threshold" in Table			Schmitt, M	latt	CableLabs	;	
	ter and receiver are connected tput from the transmitter as def			Comment	Туре Т	Comment Status A		
signal were fed into	an optical ampplifier before bein fore, for additional safety in this	ng connected to	the receiver it could be			stassar_3ct_01_200213, pro TP2 and TP3" from Table 1		Maximum discrete
dBm.				Suggested	dRemedy			
uggestedRemedy Change "TBD" to "18	8" for "Damage threshold" in Ta	ble 154-9.		Delete TP3".	e the row from	Table 154-10 for "Maximum	discrete reflectant	ce between TP2 and
esponse	Response Status C			Response		Response Status C		
ACCEPT IN PRINCI	PLE.			ACCE	PT.			
See resolution to co	mment #77.							

C/ 1	SC 1	P 21	L14	# <u>1</u> 05	C/ 154	SC 154.11	P117	L 1	# <u>1</u> 07
Nicholl, Ga	ary	Cisco systems	5		Nicholl, Ga	ary	Cisco systems		
Comment	Туре Е	Comment Status D		bucket	Comment	Туре Т	Comment Status D		
The "ir	mportant Notice'	' is no longer required accordir	ng to IEEE.		lf Anne	ex J is inserted	in 154.9.1 then the PICs require	updating.	
Suggested	Remedy				Suggested	Remedy			
		h 24: IMPORTANT NOTICE:			Add "	General Safety	" PICS entry and use "Conform	is to J.2" for V	alue/format.
		ety, health, or environmental p m other devices or networks. I			Proposed	Response	Response Status W		
		sible for determining and com			PROP	OSED ACCEP	T IN PRINCIPLE.		
safety,	, security, enviro	nmental, health, and interferen							
applica regula	able laws and						PICS entry is not currently in the 125. Modify any "General Safety		
		s made available for use subje	ct to important	notices and legal			for Value/Comment.		
	mers. These	s appear in all publications co	ntaining this do	cument and may be	C/ 1	SC 1	P1	L 27	# 108
	under the			cument and may be	Nicholl, Ga		Cisco systems		# 100
		tice" or "Important Notices and	d Disclaimers C	oncerning IEEE	Comment		Comment Status D		bucke
Docun Thev c		ined on request from IEEE or	viewed at			21	20 and 802.3cq-2002 have now	heen annrove	
		rg/IPR/disclaimers.html					20 and 002.009 2002 have now	been appion	
Proposed	Response	Response Status W			Suggested	•	(X to 902 2cm 2020 and 902 2c	20XX to 802	200 2020 throughout
PROP	OSED ACCEPT				the dra		(X to 802.3cm-2020 and 802.3cd	1-2011 10 002	
C/ 154	SC 154.9.1	P114	L 44	# 106	Proposed	Response	Response Status W		
				# 100	PROP	OSED ACCEP	т.		
Nicholl, Ga		Cisco systems Comment Status D	6			00.00.4.0	P 49	L10	" 400
	51	ng general safety references a	cross all of IFF	F 802.3 in Annex J	C/ 80	SC 80.1.3		L10	# 109
P802.3	3cr is in the 1st \	NG ballot recirculation and is I	likely to comple	te the ballot cycle prior	Nicholl, Ga	,	Cisco systems		
		tion between TFs and the P80	2.3cr project sh	nould be maintained to	Comment	21	Comment Status D		bucke
•	his material in s	ync.				space between	"and " and "in"		
Suggested					Suggested	-			
		t subject to this clause shall co his clause shall conform to the			Delete	e extra space.			
specifi	ied in J.2". Add	Editor's Note to be removed p			Proposed	Response	Response Status W		
chang	es to P802.3cr.				PROP	OSED ACCEP	Т.		
Proposed	Response	Response Status W							
PROP	OSED ACCEPT								

Cl 80	SC 80.1.3	P 49	L14	# <u>1</u> 10	CI 80	SC 80.1.5	P 50	L 6	# <u>1</u> 13
Nicholl, Ga	ary	Cisco systems			Nicholl, Ga	ary	Cisco systems		
Comment	21	Comment Status D		bucket	Comment	Туре Е	Comment Status D		bucke
	diting instruction are 80-1" in the doo	states "Change Figure 80-1 in	80.1.3 as follo	ws:", but there is no	Table	80-4b is a new	table , so there should be no uno	derlining.	
Suggested		ument.			Suggestea	-			
00		update accordingly.				all underlining			
Proposed	Response POSED ACCEPT	Response Status W			Proposed PROP	Response OSED ACCEP	Response Status W T.		
Soo r	esponse to comm	opt 51			C/ 80	SC 80.3.2	P 51	L 28	# 114
	•				Nicholl, Ga	ary	Cisco systems		
C/ 80	SC 80.1.5	P 50	L 3	# 111	Comment	Туре Е	Comment Status D		bucke
Nicholl, Ga	ary	Cisco systems			Extra s	space between	100GBASE-R and 100GBASE-F	5	
	g instruction state	Comment Status D s "Insert Table80–4 after Tab	le 80-4a as fol	<i>bucket</i> lows:", but the tabel	Suggested Use st	-	the extra space after the "and"		
inserte	ed is actually Tab	le 80-4b.			Proposed	0	Response Status W		
S <i>uggested</i> Updat		on to read " "Insert Table80–4	b after Table 8	30-4a as follows:"	•	OSED ACCEP	,		
Proposed	Response	Response Status W			C/ 80	SC 80.3.2	P 51	L 30	# 115
PROP	POSED ACCEPT	IN PRINCIPLE.			Nicholl, Ga	ary	Cisco systems		
See re	esponse to comm	ent 41.			<i>Comment</i> Missin	<i>Type</i> E g underline, un	Comment Status D der space.		bucke
CI 80	SC 80.1.5	P 50	L 6	# 112	Suggestea	Remedy			
Nicholl, Ga	ary	Cisco systems			Chang	je "Figure 80–4	a, " to "Figure 80–4a, "		
<i>Comment</i> Table	51	Comment Status D a column for Clause 135.		bucket	Proposed PROP	•	Response Status W T IN PRINCIPLE.		
S <i>uggested</i> Add a	dRemedy column for Claus	se 135.				esponse to com			
	Response	Response Status W							

C/80 SC 8	80.3.2	P 52	L 1	# <u>1</u> 16	C/ 154 S	C 154.7.1	P110	L 26	# 119
icholl, Gary		Cisco systems	i		Lewis, David		Lumentum		
omment Type	Е	Comment Status D		bucket	Comment Type	, T	Comment Status D		
There should b	be no unde	erline in editing instruction					rance should be a minimum		
uggestedRemed	ly						ick link of 24 dB would result i loss from the black link of 2		
Remove under	erline in edi [:]	ting instruction					transmitter. Therefore the lir		
roposed Respon	ise	Response Status W			maximum.				
PROPOSED A		•			SuggestedRem	-			
C		-+ 50			Change de	scription to '	Optical return loss tolerance	e (min)"	
See response	e to comme	ni 56.			Proposed Resp	oonse	Response Status Z		
180 SC 8	80.4	P 52	L 49	# 117	REJECT.				
choll, Gary		Cisco systems	i		This comm	ent was WI	THDRAWN by the commenter	er.	
omment Type	E ance 802 3	Comment Status D cu in editing instruction		bucket	C/ 154 S	C 154.8.1	P 112	L 27	# 120
					D'Ambrosia, Jo	hn	Futurewei. U.	S. Subsidiary of	
IggestedRemedy	•	on from "Change Table80–5	(as modified by	LEEE Std 902 2od	Comment Type		Comment Status D	,	
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		nged 40G rows not					154-12 is TBD. There are no ng to Table 154-12 in the dra		ameters requiring a te
2018) as follow shown)" to	ws (unchar	nged 40G rows not				inition pointi			ameters requiring a te
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2018) as follow shown)" to "Change Table follows (uncha shown)"	ws (unchar le80–5 (as anged 40G ose	nged 40G rows not modified by IEEE Std 802.3 rows not	cd-2018 and IEI		pattern def SuggestedRen Delete the Proposed Resp PROPOSE	inition pointi nedy contents of t ponse ED REJECT.	ng to Table 154-12 in the dra the entire row for the "TBD" e <i>Response Status</i> W	aft	ameters requiring a te:
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2018) as follow shown)" to "Change Table follows (uncha shown)" oposed Respons PROPOSED A 152 SC 1 wis, David omment Type	ws (unchar le80–5 (as anged 40G nse ACCEPT. 152.5.1 E	nged 40G rows not modified by IEEE Std 802.3 rows not <i>Response Status</i> W <i>P</i> 61 Lumentum	L 47	EE Std 802.3cu-xx) as # [<u>118</u> <i>bucket</i>	pattern def SuggestedRem Delete the Proposed Resp PROPOSE See resolu Cl 154 S D'Ambrosia, Jo Comment Type	inition pointi nedy contents of to oonse D REJECT. tion to comm C 154.8.1 hn T R	ng to Table 154-12 in the dra the entire row for the "TBD" e <i>Response Status</i> W nents #90 and #123 <i>P</i> 112 Futurewei, U.	aft entry <i>L</i> 15 S. Subsidiary of	# <u>121</u> Huawei
2018) as follow shown)" to "Change Table follows (uncha shown)" roposed Respons PROPOSED A 152 SC 1 ewis, David comment Type	ws (unchar le80–5 (as anged 40G ase ACCEPT. 152.5.1 E pr Fig 152-2	nged 40G rows not modified by IEEE Std 802.3 rows not <i>Response Status</i> W <i>P</i> 61 Lumentum <i>Comment Status</i> D	L 47	EE Std 802.3cu-xx) as # [<u>118</u> <i>bucket</i>	pattern def SuggestedRem Delete the Proposed Resp PROPOSE See resolu Cl 154 S D'Ambrosia, Jo Comment Type	inition pointi nedy contents of f bonse D REJECT. tion to comm C 154.8.1 hn TR htry in Table	ng to Table 154-12 in the dra the entire row for the "TBD" e <i>Response Status</i> W nents #90 and #123 <i>P</i> 112 Futurewei, U. <i>Comment Status</i> D	aft entry <i>L</i> 15 S. Subsidiary of	# <u>121</u> Huawei
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C/ 154 SC 154.8.1	P 112	L 22	# 122	Cl 154 SC	154.11.13	3 P118	L 1	# 125
D'Ambrosia, John	Futurewei, U.	S. Subsidiary of H	luawei	Issenhuth, Tom		Huawei		
Comment Type TR	Comment Status D			Comment Type	Е	Comment Status D		
There has only been o 154-12 for the optical	one test pattern defined in Tal parameters.	ble 154- in that ca	n be used in Table	The PICs tabl		g in 154.11.3 are incomplete	9.	
SuggestedRemedy				00	•	PICS tables with the information	ation from issen	huth 3ct 04 0320
Change TBD in all opt	ical paramaeter entries to Pa	ttern 5.		Proposed Respon	•			
Proposed Response PROPOSED REJECT	Response Status W			, ,		Response Status W IN PRINCIPLE.		
See resolution to com	ments #90 and #123.					n entry for "General Safety" om comment 107.	is added, align	the Value/Commer
C/ 154 SC 154.8.1	P 112	L18	# 123	the value/Cor	nment irc	om comment 107.		
D'Ambrosia, John	Futurewei, U.	S. Subsidiary of H	luawei					
Comment Type E	Comment Status D							
	-12 seems incorrect. The ITe eing defined is the test patter							
SuggestedRemedy								
Change title of Table 1 subclauses.	154-12 to "Optical Parameter	Test-pattern defin	itions and related					
Proposed Response	Response Status W							
As soon as that has be	t patterns still needs to be co een established, the correct t isistent with existing in-force o	itle should be defii	ned.					
C/ 45 SC 45.2.1.2	1b P27	L 35	# 124					
Issenhuth, Tom	Huawei							
	Comment Status D as inserted by IEEE Std 802.3 2019 and modifed by IEEE St		e 45.24b was inserted					
SuggestedRemedy								
Change "as inserted b	y IEEE Std 802.3cu-20xx" to	as modified by IE	EEE Std 802.3cu-20xx"					
Proposed Response	Response Status W							