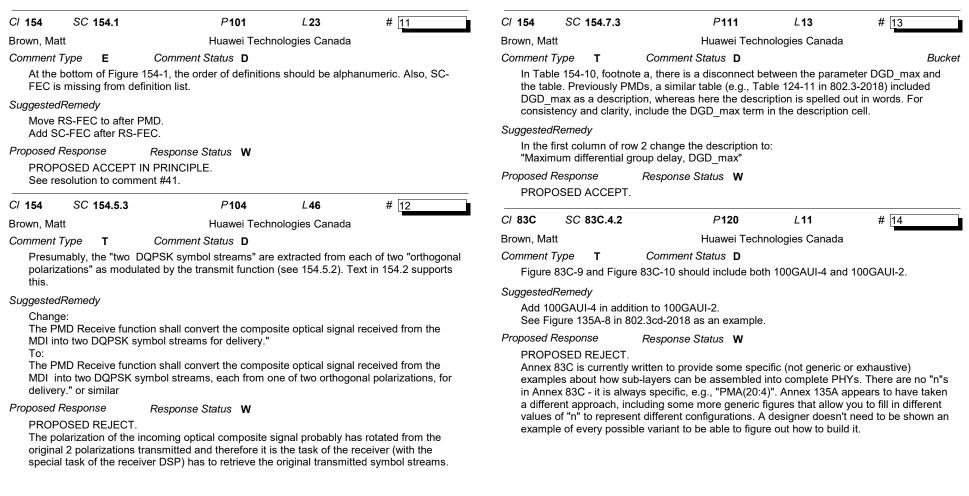
21 450									
C/ 153	SC 153.2.3.3	.1 P88	L 42	# 1	C/ 152	SC 152.2	P 59	L 40	# 4
rown, Mat	itt	Huawei Techn	nologies Canada		Brown, Mat	t	Huawei Teo	chnologies Canada	
comment	Туре Е	Comment Status D		bucket	Comment	Гуре Е	Comment Status D		
Predor		rame alignment signal is defir used thereafter but there are a l".			inverse	RS-FEC subla	nes the inverse FEC SI as d ayer. When referring to the s 'inverse FEC" sublayer.		
Suggested	Remedy				Suggested	Remedy			
	je all instances o 34 line 40.	f "frame alignment signal" to '	"FAS" after the ac	ronym is defined on	•		sublayer" to "inverse RS-FI	EC sublayer at Pag	_l e 59 line 41,
Proposed i	Response	Response Status W			Proposed I	•	Response Status W		
PROP	OSED ACCEPT		se.			he indicated co	Γ IN PRINCIPLE. rrection in both the title of 1	52.2 and the first se	entence of the sub-
7 1	SC 1.5	P 22	L 32	# 2	C/ 152	SC 152.5.1	P 61	L 24	# 5
rown, Mat	itt	Huawei Techn	nologies Canada		Brown, Mat	t	Huawei Teo	chnologies Canada	1
omment	Туре т	Comment Status D			Comment	Гуре Е	Comment Status D		
A new	acronym SC-FE	C is introduced in Clause 153	3 and the acronym	i has been added to	It is no	t immediately o	bvious which path is transm	nit function and whi	ch is receive functior
many o	clauses and ann	exes including 45, 80, 154, ar	າd 83C.		Suggested	Remedy			
Suggested	Remedy				00	,	tion" to downward path and	a label "Receive fu	unction" to the unwar
Add th	ie acronym SC-F	EC "staircase FEC" to the ac	ronym list in 1.5.		path.				
Proposed I	Response	Response Status W			Proposed I	Response	Response Status W		
					, PROP	, DSED REJECT			
PROP	OSED ACCEPT						-		
PROP	OSED ACCEPT								n which this is derive
-	SC 153.2.3.1	P 83	L 25	# 3	An unv	ritten conventi	on is that the Tx direction is		
/ 153	SC 153.2.3.1		L 25 nologies Canada	# 3	An unv				
/ 153 rown, Mat	SC 153.2.3.1			# [3	An unv	ritten conventi	on is that the Tx direction is		
7 153 Frown, Mat Comment 7 A new	SC 153.2.3.1 htt <i>Type</i> E acronym SC-FE	Huawei Techn <i>Comment Status</i> D C is introduced and defined n	nologies Canada near the beginning	Clause 153.	An unv kinds c	ritten convention f figures. SC 153.2.3.	on is that the Tx direction is	down and the Rx d	direction is up in thes
i 153 rown, Mat comment i A new Predor	SC 153.2.3.1 itt <i>Type</i> E acronym SC-FE minantly SC-FEC	Huawei Techn <i>Comment Status</i> D C is introduced and defined n is used thereafter but in mar	nologies Canada near the beginning ny places through	r Clause 153. out Clause 153. Only	An unv kinds c C/ 153	rritten conventio f figures. SC 153.2.3. t	on is that the Tx direction is	down and the Rx d	direction is up in thes # <mark>6</mark>
153 rown, Mat omment A new Predor SC-FE	SC 153.2.3.1 ttt <i>Type</i> E acronym SC-FE minantly SC-FEC CC is used in othe	Huawei Techn <i>Comment Status</i> D C is introduced and defined n	nologies Canada near the beginning ny places through	r Clause 153. out Clause 153. Only	An unv kinds c C/ 153 Brown, Mat Comment	rritten convention f figures. SC 153.2.3. t fype E	on is that the Tx direction is 1 P83 Huawei Teo Comment Status D	L24 L24 Chnologies Canada	direction is up in thes
7 153 rown, Mat Comment A new Predor SC-FE severa	SC 153.2.3.1 Itt <i>Type</i> E acronym SC-FE minantly SC-FEC C is used in othe al instances when	Huawei Techn Comment Status D C is introduced and defined n c is used thereafter but in mar er clauses including 45, 80, 15	nologies Canada near the beginning ny places through	r Clause 153. out Clause 153. Only	An unv kinds c C/ 153 Brown, Mai Comment It is no	rritten convention f figures. SC 153.2.3. t fype E t immediately o	on is that the Tx direction is 1 P83 Huawei Teo	L24 L24 Chnologies Canada	direction is up in thes # 6
C/ 153 Frown, Mat Comment A new Predor SC-FE severa Suggested Chang	SC 153.2.3.1 Itt Type E acronym SC-FE minantly SC-FEC C is used in othe al instances when <i>IRemedy</i> ge all instances o	Huawei Techn Comment Status D C is introduced and defined n c is used thereafter but in mar er clauses including 45, 80, 15	nologies Canada near the beginning ny places through 54, and 83C.Howe after the acronym	Clause 153. out Clause 153. Only ever, there are n is defined on page	An unv kinds c Cl 153 Brown, Mai Comment It is no Suggested	rritten convention f figures. SC 153.2.3. t Type E t immediately o Remedy	on is that the Tx direction is 1 P83 Huawei Teo Comment Status D	L24 L24 Chnologies Canada	direction is up in thes
C/ 153 Brown, Mat Comment T A new Predor SC-FE severa Suggested Chang 81 line	SC 153.2.3.1 Itt Type E acronym SC-FE minantly SC-FEC C is used in othe al instances when <i>IRemedy</i> ge all instances o	Huawei Techn <i>Comment Status</i> D C is introduced and defined n is used thereafter but in mar er clauses including 45, 80, 15 e "staircase FEC" is reused. f "staircase FEC" to SC-FEC	nologies Canada near the beginning ny places through 54, and 83C.Howe after the acronym	Clause 153. out Clause 153. Only ever, there are n is defined on page	An unv kinds c Cl 153 Brown, Mai Comment It is no Suggested A label	ritten convention f figures. SC 153.2.3. t Type E t immediately of <i>Remedy</i> "Transmit func	on is that the Tx direction is 1 P83 Huawei Tec <i>Comment Status</i> D bvious which path is transm	L24 L24 Chnologies Canada	direction is up in thes

/ 154 SC 1	94.1	P 100	L 8	# <u>7</u>	C/ 154	SC 154.1	P 100	L 8	# <u>9</u>
rown, Matt		Huawei Techr	nologies Canada		Brown, Ma	att	Huawei Te	chnologies Canada	
omment Type	E Comr	ment Status D		Bucke	Comment	Туре Е	Comment Status D		
The term "black SuggestedRemedy	t link" is used three s from "black link 3 46 e <i>Respo</i>	oughout this clause		OWDM channel" don't. required.	since neces introd clause Suggestee Do on 1. Rei 2. Cha	both references sary. I would ar uctory sentence a. <i>dRemedy</i> e of the followir move both refer ange "defined ir	erm "(see xxx)" for cases w in this sentence point to th gue that the references are and its implicit that everyth g: ences. (preferred) " and "also defined in" to "s ference and in the second	e same subclause o not necessary at al ing is going to be s ee".	only one reference is I since this is an pecified later in the
/ 154 SC 18			L 8 nologies Canada	# 8	Proposed PROF	Response	Response Status W	0	
, ji	-	ment Status D			C/ 154	SC 154.1	P101	L 26	# 10
clauses (e.g., 4	00GBASE-ZR PI	rtant element throug MD) and therefore a er succinctly defined	definition should	be added to 1.4. Note	Brown, Ma	att		chnologies Canada	
uggestedRemedy			in this Clause.		Comment	21	Comment Status D		
,	or "black link" to	1.4.					e considered technical. a not SMF but rather a more	complex "black linl	k".
A definition for	CCEPT IN PRING	onse Status W CIPLE. Is to be added to 1.4	L.		Chang	ure 154-1. ge "ZR = PMD F	OR SINGLE MODE FIBER BLACK LINK" or similar	,n	
	ck link is a link w nsfer characterist	where only the chara tics are specified, wi		put and output of the low the link is	, PROF Chang	ge "ZR = PMD F	Response Status W T IN PRINCIPLE. OR SINGLE MODE FIBER DWDM CHANNEL OVER A		



C/ 83C SC 83C.4.2	P120	L11	# 15	C/ 152	SC 152.1	P 58	L13	# 16
rown, Matt	Huawei Techno	ologies Canada		Brown, Ma	tt	Huawei Tech	nologies Canada	
omment Type T Col	mment Status D			Comment	Туре Т	Comment Status D		
Figure 83C-9 and Figure 83C- examples of Clause 135 PMA SuggestedRemedy Add Annex 135A to 802.3ct a Annex 135A. Proposed Response Res	not Clause 83 PMA>			conver a FEC MAC c 200G> Howey ZR PH	sion to the 1000 other than the 0 levice and the F (S specified by 8 ver, as the introc Y. To encourag	C was adopted as a baseline GBASE-ZR but rather as reus Clause 91 RS(544,514) FEC PMD device. The inverse FEC 802.3bs for 400GE and 200G ductory subclause is written it le general reuse of this subla	able sublayer for e or (b) permit correc is analogous to th E (see Clause 118 is targetting specif	ither (a) converting to ction between the e 400GXS and in 802.3-2018). ically the 100GBASE-
PROPOSED ACCEPT IN PR	, INCIPLE.				• •	hould be defined generically.		
For Task Force discussion. There could be merit to movin				Suggested		second sentence to: "This sul		
Annex 135A. In the event that also comment #14, where the the style of other figures in Ar the style of Annex 135A.	proposed change is pr	oposed to reject o	due to not following	differe In Figu update Chang In Figu chang chang If any the cla <i>Proposed</i> PROP At the	the FEC is used in FEC is used the definition li the the title of 830 in the side of 830	e "100GBASE-ZR" to "FEC" st. C.4 to "Partitioning examples igure 83C-10 FEC" (two places) IR PMA" to "PMA" ZR" to "100GBASE-Z/P" or ac fic to the 100GBASE-ZR PH 0 100GBASE-ZR (153 or 154) <i>Response Status</i> W T IN PRINCIPLE. e was created, SC-FEC was t	and "100GBASE-Z with Inverse RS-FE Id "100GBASE-P" ′ are required they ne only known case	R PMA" to "PMA and EC" should go in one of
				secon	d case where cla	3ck has adopted the optional ause 152 could be used. ed remedy with editorial licen		
				C/ 1	SC 1.5	P 22	L 48	# 17
				Brown, Ma	tt	Huawei Tech	nologies Canada	
				Comment	Type E	Comment Status D		Bucket
				only de		cedure" should not be capitali ouns are capitalized, except a		
				Suggested	Remedy			
				change	e to "generic ma	apping protocol"		
				Proposed PROP		Response Status W		
				Chang	e to "generic m	apping procedure"		
TYPE: TR/technical required ER/ COMMENT STATUS: D/dispatche SORT ORDER: Comment ID					Z/withdrawn	Comn	ent ID 17	Page 4 of 25 1/15/2020 9:48:

C/ 1	SC 1.5	P 22	L 45	# 18	C/ 80	SC 80.2.4	P 50	L 5	# 21
Brown, M	att	Huawei Techn	ologies Canada		Brown, M	att	Huawei Tecl	nnologies Canada	a
Commen	t Type E	Comment Status D	-		Comment	t <i>Type</i> T	Comment Status D	-	
	SK is used separa	tely from DP-DQPSK to defin	e a coding meth	od, rather than			(specified in 153)) is not a 10	0GBASE-R PMA	A (specified in 83).
add s	edRemedy separate acronym 1 I Response	for DQPSK Response Status W			100G Add r	ove ", with the ex BASE-ZR which new sentence at	is specified in Clause153." the end of the paragraph:		
'	POSED ACCEPT					PMA specific to	the 100GBASE-ZR PHY is s Response Status W	pecified in Clause	e 153."
CI 80	SC 80.1	P48	L 7	# 19	,	POSED ACCEP	•		
Brown, M	att	Huawei Techn	ologies Canada		C/ 152	SC 152.1.1	P 58	L12	# 22
Commen	51	Comment Status D	EB1 and 100CB	Bucket	Brown, M	att	Huawei Tecl	nnologies Canada	a
		aragraph, adding 100GBASE		ASE-LKI	Comment	t <i>Type</i> T	Comment Status D		bucket
00	dRemedy				The F	RS-FEC acronyn	n is introduced in the first sen	tence.	
upda	te this paragraph b	based on changes in 802.3cu			Suggeste	dRemedv			
Proposed	l Response	Response Status W			00		hange "Reed-Solomon FEC"	to "RS-FEC".	
PRO	POSED ACCEPT	IN PRINCIPLE				Response	Response Status W		
Claus	se 140 for 100GBA				, PROI	POSED ACCEP		ge 58.	
		SE-ZR use a single lane dat SE-FR, and Clause 140 for 2			C/ 152	SC 152.1	P 59	L35	# 23
		ause 154 for 100GBASE-ZR			Brown. M	att	Huawei Tecl	nnologies Canada	a
C/ 80	SC 80.3.2	P 50	L30	# 20	,	t Type T	Comment Status D	inclogico canad	bucket
Brown, M			ologies Canada			51	PMA above the Inverse RS-	FEC is defined ir	n Clause 135 not Clause
Commen	t Туре Т	Comment Status D		Bucket		dRemedy			
		ew class of PHY, 100GBASE fter 100GBASE-P. Also, " Fi			00		AUSE 83" to "CLAUSE 135"		
Suggeste	dRemedy				Proposed	l Response	Response Status W		
add "		er "100GBASE-P" with appro lete text	priate grammar a	and markup	PROP	POSED ACCEP	Т.		
Proposed	Response	Response Status W							
PRO	POSED ACCEPT								

C/ 152 SC 152.2	P 60	L 4	# <u>2</u> 4	C/ 152 SC	5152.3	P 60	L11	# 26
Brown, Matt	Huawei	Technologies Canada		Brown, Matt		Huawei Tech	nologies Canad	a
Comment Type T	Comment Status D	1		Comment Type	т	Comment Status D		
and alignment proce	arameter is sent upward ar ess rather than FEC codew			sublayer and	d the PMD	The restriction that all PMA sublayer consist of four or fe s not clear where this restrict	wer lanes is rer	noved below the Inverse
SuggestedRemedy				SuggestedReme	,		ion io conning in	
	tence of 152.2 to the follow OK when align_status (see s false."			Provide info	rmation in	dicating the source of this res	triction, perhap	s a subclause number.
Proposed Response	Response Status V	1		Proposed Respo		Response Status W		
0	PT IN PRINCIPLE. sentences of 152.2 to the number changed to 4]	indicated replacemen	ıt.	Change: "The restrict	ion that al	IN PRINCIPLE. PMA service interfaces betw r or fewer lanes is removed b		
•	<u> </u>				ion that al	PMA service interfaces betw	veen the RS-FE	C sublayer and the PMD
C/ 152 SC 152.6.		L14	# 25	sublayer cor sublayer."	nsist of fou	r or fewer lanes (see 91.3) is	removed below	the Inverse RS-FEC
Brown, Matt		Technologies Canada		Sublayer.				
Comment Type T tx_align_status doe:	Comment Status D s not appear in Figure 82-1		bucket			on is described in the final pa to the 20 PCS lane format, yo		
SuggestedRemedy								
Change "tx_align_st	atus" to "rx_align_status".			C/ 152 SC	5 152.5	P 60	L 28	# 27
Proposed Response	Response Status V	1		Brown, Matt		Huawei Tech	nologies Canad	а
PROPOSED ACCE	PT.			Comment Type	Е	Comment Status D		
				There is a re	eference to	"The FEC optional states in	Clause 91". Th	s is a bit vague.
				SuggestedReme	edy			
				Change to "	The optior	al states in Figure 91-8"		
				Proposed Respo	onse	Response Status W		
				states are do states suppo them. The intro pa clause. In th	n't seem to escribed. I prted", so ragraph of e detail in	be a lot of consistency acrost lowever, Clause 45 has creat calling these the "FEC option 152.5 is simply a high-level i 152.5.2.1 you get to the spect otted line in Figure 91-8 and	ted a specific va al states" seem intro of what is o cific description	ariable "FEC optional s a safe way to refer to or is not supported in the

C/ 152	SC 152.5	P 60	L 27	# 28	C/ 152	SC 152.5.1		P 61	L 24	# <u>3</u> 1
Brown, Mat	tt	Huawei Techr	nologies Canada		Brown, Matt			Huawei Tech	nologies Canada	
Comment T	Туре Е	Comment Status D		bucket	Comment Ty	rpe E	Comment S	Status D		
perpetu	ually valid. It is s	ive a reason for a specificatio sufficient to say simply that the	e EEE deep sleep	is not supported.	In Figure		ot immediately o	clear which pa	ath is transmit fun	ction and which is is
	ve to support EE	plane) and CR (twinax) PHYs EE.	being specified by	y ouz.sck there is no	SuggestedR	emedy				
, Suggestedl	Remedy					el "Transmit F ward) path.	unction" to the le	eft (downward	l) path and "Rece	ive Function" to the
Delete	"since all PHY t	ypes using this sublayer are o	optical".		Proposed R	esponse	Response S	tatus W		
Proposed F PROPC	Response OSED ACCEPT	Response Status W				SED REJECT e of Commen				
C/ 152	SC 152.5.4.2	3 P73	L 5	# 29	C/ 152	SC 152.5.1		P 61	L 40	# 32
Brown, Mat	tt	Huawei Techr	nologies Canada		Brown, Matt			Huawei Tech	nologies Canada	
Comment T		Comment Status D	····· 3···· • ······		Comment Ty	ре т	Comment S	Status D		buck
Since F	•	tes are mandatory for Inverse	e RS-FEC amp_ba	ad_count is not						layer. For the case zed) is used (see
conditio					Figure 1	,		,,		/
conditic S <i>uggested</i>	Remedy				Figure 1	20-5).		,,		, ,
conditic Suggested	Remedy	states are supported in the FE	EC synchronization	n process"	Figure 1 SuggestedR	20-5). emedy				
conditic Suggested Delete Proposed F PROPC	Remedy "if the optional s Response OSED ACCEPT	Response Status W IN PRINCIPLE.	EC synchronization	n process"	Figure 1 <i>SuggestedR</i> In Figure For the Similar t	20-5). emedy e 152-2. signals below o Figure 120-:	the Inverse RS- 5, add legend te	FEC change '	X	S" with inst italicized.
condition Suggested Delete Proposed R PROPO [Editor's	Remedy "if the optional s Response OSED ACCEPT 's note - page ch nent the propose	Response Status W IN PRINCIPLE.			Figure 1 SuggestedR In Figure For the Similar t "inst F Proposed R	20-5). emedy 152-2. signals below o Figure 120- MA or FEC, c	the Inverse RS- 5, add legend te lepending on wh <i>Response</i> S	FEC change ' xt: nich sublayer i	"FEC:IS" to "inst:I	
conditic Suggestedf Delete Proposed F PROPC [Editor's Implem 33, pag	Remedy "if the optional s Response OSED ACCEPT 's note - page ch nent the propose	Response Status W IN PRINCIPLE. nanged to 73]			Figure 1 SuggestedR In Figure For the Similar t "inst F Proposed R PROPO	20-5). emedy e 152-2. signals below o Figure 120- MA or FEC, c esponse SED ACCEP	the Inverse RS- 5, add legend te lepending on wh <i>Response S</i> Г.	FEC change ext: nich sublayer i tatus W	"FEC:IS" to "inst:I	."
conditic Suggested/ Delete Proposed R PROPO [Editor's Implem 33, pag	Remedy "if the optional s Response OSED ACCEPT 's note - page ch nent the propose ge 72. SC 152.6.6	Response Status W IN PRINCIPLE. hanged to 73] ad remedy. Delete the same v	vords also under re	estart_lock on line	Figure 1 SuggestedR In Figure For the s Similar t "inst F Proposed R PROPO	20-5). emedy e 152-2. signals below o Figure 120- MA or FEC, c esponse	the Inverse RS- 5, add legend te lepending on wh <i>Response</i> S Γ. 1	FEC change fixt: hich sublayer fi tatus W	"FEC:IS" to "inst: is below this PMA 	
conditic Suggested/ Delete Proposed F PROPO [Editor's Implem 33, pag C/ 152 Brown, Mat	Remedy "if the optional s Response OSED ACCEPT 's note - page ch tent the propose ge 72. SC 152.6.6 tt	Response Status W IN PRINCIPLE. hanged to 73] ad remedy. Delete the same v	vords also under re	estart_lock on line	Figure 1 SuggestedR In Figure For the s Similar t "inst F Proposed R PROPO C/ 152 Brown, Matt	20-5). emedy a 152-2. signals below o Figure 120- MA or FEC, c esponse SED ACCEP SC 152.5.2 .	the Inverse RS- 5, add legend te lepending on wh <i>Response S</i> ſ. 1	FEC change ' ext: hich sublayer i tatus W P62 Huawei Tech	"FEC:IS" to "inst:I	# [33]
conditic Suggested Delete Proposed R PROPO [Editor's Implem 33, pag C/ 152 Brown, Mat Comment 7 Since F 152.5.4	Remedy "if the optional s Response OSED ACCEPT 's note - page ch ent the propose ge 72. SC 152.6.6 tt Type T FEC optional sta	Response Status W IN PRINCIPLE. hanged to 73] ed remedy. Delete the same v P75 Huawei Techr Comment Status D ates are mandatory an associa e that controls the state mach	vords also under re L 18 nologies Canada ated ability bit is no	estart_lock on line # 3 <u>0</u> ot required. In	Figure 1 SuggestedR In Figure For the s Similar t "inst F Proposed R PROPO Cl 152 Brown, Matt Comment Ty The sen optional	20-5). emedy a 152-2. signals below o Figure 120- MA or FEC, c esponse SED ACCEP SC 152.5.2. C 152.5.2.	the Inverse RS- 5, add legend te lepending on wh <i>Response S</i> 7. 1 <i>Comment S</i> s unecessarily w ould be more th	FEC change ' ixt: itatus W P62 Huawei Tech Status D rordy. The refe an a note.	"FEC:IS" to "inst:I is below this PMA <i>L</i> 2 nologies Canada erence figure clea	# <u>33</u> <i>buck</i> arly indicates the
conditic Suggested/ Delete Proposed F PROPO [Editor's Implem 33, pag C/ 152 Brown, Mat Comment 7 Since F 152.5.4 uncond	Remedy "if the optional s Response OSED ACCEPT s note - page ch tent the propose ge 72. SC 152.6.6 tt Type T FEC optional stat 4.2.1 the variable ditionally forced to	Response Status W IN PRINCIPLE. hanged to 73] ed remedy. Delete the same v P75 Huawei Techr Comment Status D ates are mandatory an associa e that controls the state mach	vords also under re L 18 nologies Canada ated ability bit is no	estart_lock on line # 3 <u>0</u> ot required. In	Figure 1 SuggestedR In Figure For the s Similar t "inst F Proposed R PROPO C/ 152 Brown, Matt Comment Ty The sen optional "Note th	20-5). emedy a 152-2. signals below o Figure 120 MA or FEC, c asponse SED ACCEP SC 152.5.2. pe T tence below is state. This sh at the FEC op	the Inverse RS- 5, add legend te lepending on wh <i>Response S</i> 7. 1 <i>Comment S</i> s unecessarily w ould be more th	FEC change ' ixt: hich sublayer i Status W P62 Huawei Tech Status D rordy. The refe an a note. hin the dotted	"FEC:IS" to "inst:I is below this PMA <i>L</i> 2 inologies Canada erence figure clea I line of Figure 91	# <u>33</u> buck
conditic Suggested/ Delete Proposed F PROPO [Editor's Implem 33, pag C/ 152 Brown, Mat Comment 7 Since F 152.5.4 uncond Suggested/ Delete	Remedy "if the optional s Response OSED ACCEPT s note - page ch tent the propose ge 72. SC 152.6.6 tt Type T FEC optional stat 4.2.1 the variable ditionally forced to Remedy 152.6.6.	Response Status W IN PRINCIPLE. hanged to 73] ed remedy. Delete the same v P75 Huawei Techr Comment Status D tes are mandatory an associa e that controls the state mach to true.	vords also under re L 18 nologies Canada ated ability bit is no	estart_lock on line # 3 <u>0</u> ot required. In	Figure 1 SuggestedR In Figure For the Similar t "inst F Proposed R PROPO C/ 152 Brown, Matt Comment Ty The sen optional "Note th are man	20-5). emedy a 152-2. signals below o Figure 120 MA or FEC, o esponse SED ACCEPT SC 152.5.2. SC 152.5.2. pe T tence below is state. This sh at the FEC op datory in the o	the Inverse RS- 5, add legend te lepending on wh <i>Response S</i> 7. 1 <i>Comment S</i> s unecessarily w ould be more th tional states witl	FEC change ' ixt: hich sublayer i Status W P62 Huawei Tech Status D rordy. The refe an a note. hin the dotted	"FEC:IS" to "inst:I is below this PMA <i>L</i> 2 inologies Canada erence figure clea I line of Figure 91	# <u>33</u> <i>buck</i> arly indicates the
condition Suggested/ Delete Proposed F PROPO [Editor's Implem 33, pag C/ 152 Brown, Mat Comment 7 Since F 152.5.4 uncond Suggested/ Delete Delete Delete	Remedy "if the optional s Response OSED ACCEPT is note - page ch the propose ge 72. SC 152.6.6 tt Type T FEC optional stat 1.2.1 the variable ditionally forced to Remedy 152.6.6. "fec_optional_states"	Response Status W IN PRINCIPLE. hanged to 73] ed remedy. Delete the same v P75 Huawei Techr Comment Status D htes are mandatory an associa e that controls the state mach to true. tates"row in Table 152-2. 7 in Table 45-150ab.	vords also under re L 18 nologies Canada ated ability bit is no	estart_lock on line # 3 <u>0</u> ot required. In	Figure 1 SuggestedR In Figure For the s Similar t "inst F Proposed R PROPO C/ 152 Brown, Matt Comment Ty The sen optional "Note th are man SuggestedR Change	20-5). emedy a 152-2. signals below o Figure 120- MA or FEC, of esponse SED ACCEPT SC 152.5.2. The T tence below is state. This sh at the FEC op datory in the of emedy the sentence	the Inverse RS- 5, add legend te lepending on wh <i>Response S</i> 7. 1 <i>Comment S</i> s unecessarily w ould be more th tional states with context of the Inv	FEC change ixt: nich sublayer i <i>status</i> W P62 Huawei Tech Status D rordy. The refe an a note. hin the dotted verse RS-FEC	"FEC:IS" to "inst:I is below this PMA <i>L</i> 2 inologies Canada erence figure clea I line of Figure 91	# <u>33</u> <i>buck</i> Irly indicates the -8, and transition A,
condition Suggested/ Delete Proposed F PROPO [Editor's Implem 33, pag C/ 152 Brown, Mat Comment 7 Since F 152.5.4 uncond Suggested/ Delete Delete Delete	Remedy "if the optional s Response OSED ACCEPT s note - page ch tent the propose ge 72. SC 152.6.6 tt Type T FEC optional stat 4.2.1 the variable ditionally forced the Remedy 152.6.6. "fec_optional_stat row for 1.2201.7 45.2.1.186ab.7.	Response Status W IN PRINCIPLE. hanged to 73] ed remedy. Delete the same v P75 Huawei Techr Comment Status D htes are mandatory an associa e that controls the state mach to true. tates"row in Table 152-2. 7 in Table 45-150ab.	vords also under re L 18 nologies Canada ated ability bit is no	estart_lock on line # 3 <u>0</u> ot required. In	Figure 1 SuggestedR In Figure For the s Similar t "inst F Proposed R PROPO C/ 152 Brown, Matt Comment Ty The sen optional "Note th are man SuggestedR Change	20-5). emedy a 152-2. signals below o Figure 120- MA or FEC, of asponse SED ACCEPT SC 152.5.2. The sence below is state. This sh at the FEC op datory in the of emedy the sentence ry for the Invest	the Inverse RS- 5, add legend te lepending on wh <i>Response S</i> T. 1 <i>Comment S</i> s unecessarily w ould be more th tional states with context of the Inv to: "The FEC op	FEC change ixt: nich sublayer i itatus W P62 Huawei Tech Status D vordy. The refe an a note. hin the dotted verse RS-FEC	"FEC:IS" to "inst: is below this PMA <i>L</i> 2 nologies Canada erence figure clea I line of Figure 91 C sublayer."	# <u>33</u> <i>buck</i> Irly indicates the -8, and transition A,

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

C/ 152	SC 152.5.2.6	P 63	L 44	# 34	C/ 153	SC 153.2.3.2	2.4 P84	L 22
Brown, Mat	t	Huawei Techn	ologies Canada		Brown, Ma	t	Huawei T	Fechnologies Canada
is 20. 1	phrase "distribut	Comment Status D ed to multiple PCS lanes", I e likely came from Clause 82 defined.			Suggested	o spell out first Remedy	Comment Status D instance of each acronyn	n within each Clause.
Proposed I	e "multiple PCS la	anes" to "20 PCS lanes". <i>Response Status</i> W N PRINCIPLE.			"The g Proposed i		procedure (GMP) mappe Response Status W	
Followi	ng the practice in	clause 82, change "multiple	PCS lanes" to "tw	enty PCS lanes"	C/ 153	SC 153.3.2.	1 P95	L 20
100GA be requ Suggested	<i>Type</i> E bre likely the SC-F UI-4 or 100GAUI- uired. It is also po <i>Remedy</i>	Comment Status D EC will connect to the PCS 2 in which case RS-FEC wo ssible the interface could be	ould be in use and		Suggested Chang Proposed I	Type E 153-9 is the 10 R <i>emedy</i> e "100GBASE-F	Comment Status D OGBASE-ZR PMA. R" to "100GBASE-ZR". Response Status W	echnologies Canada
"The P service through 152) is Proposed F PROPO While a immed can ne The cu implem Change "The P instanti Annex	interface (see Ar Annex 135G) in a client of the FE Response DSED ACCEPT II a 100GAUI interfa iately adjacent to ver be a physical rrent text reference ientation, but C2C to the paragraph tt CS or Inverse RS ation of the PMA	ected to the SC-FEC using a nex 83A, Annex 83B, Annex which case a PMA (see Anne C service interface." <i>Response Status</i> W N PRINCIPLE. ce may exist above an Inver a SC-FEC sublayer and her instantion of any Clause 15G ces the C2M Annex83x which c should not be excluded. c) -FEC may be connected to the service interface (see Annex ce a PMA (see Annex 83) or	x 83D, Annex 83E, nex 83) or Inverse I rse RS-FEC sublay nce is irrelevant for 3 interface. h is most probable the SC-FEC using x 83A, Annex 83B,	and Annex 135D FEC (see Clause ver, it is never this clause since it for an an optional Annex 83D, and	Suggested Chang "The d Proposed I	Type E o spell out first Remedy e start of senter fferential quadr	Huawei T Comment Status D instance of each acronyn nce to: ature phase shift keying Response Status W	(DQPSK) encode ."

<u>3</u>6

37

38

bucket

bucket

bucket

C/ 153 SC	153.3.2.3.1	P 96	L 25	# 39	C/ 154	SC 154.1	P 101	L 23	# 41
rown, Matt		Huawei Techr	nologies Canada		Brown, Ma	tt	Huawei Teo	hnologies Canad	a
Comment Type	E Com	ment Status D			Comment	Туре Е	Comment Status D		
	nrases. However,	a period not a comma since this is defining		ved by sentences 3 steps a lettered list	In Figu from le		gend list should be in alpha	numeric order. Al	so, SC-FEC is missin
	•				Suggested				
SuggestedRemed Convert the p		es to a lettered list.				RS-FEC to afte C-FEC after RS			
roposed Respon	nse Resp	onse Status W			Proposed I	Response	Response Status W		
It isn't 3 steps		NCIPLE. Brd sentence clarifyin edy with editorial licer		l step is carried out.		irrent order is s	F IN PRINCIPLE. imilar to in-force clauses, for	instance 140.	
2/154 SC	154.1	P100	L10	# 40			LOMON FORWARD ERRO	R CORRECTION	"
rown. Matt		Huawei Techr	nologies Canada		by				
omment Type	E Com	ment Status D	lologico ounudu			EC = STAIRCA ECTION"	SE FORWARD ERROR		
		P-DQPSK the hypher	n is in the wrong i	place (see 1.5) Also		2011011			
		d out version should o			<i>Cl</i> 154 Brown, Ma	SC 154.1 tt	P 101 Huawei Teo	L 26 hnologies Canad	# <u>42</u>
uggestedRemed	dy				Comment	Туре Т	Comment Status D	Ū	
Change: DP-DQPSK (dual polarization -	· differential quadratu	re phase shift key	<i>r</i> ing) format			egend list note says ZR is a s for transmission across a		MF. The introduction
to: "dual-polariza	ation differential a	uadrature phase shift	keving (DP-DOP	SK)"	Suggested	Remedy			
Proposed Respon		onse Status W			Chang	e "PMD FOR S	INGLE MODE FIBER 80 km	"	
	ACCEPT IN PRIN				to	for BLACK LIN	/ !!		
		fferential quadrature	phase shift keying	g (DP-DQPSK)"	or	IOI BLACK LIN	N N		
-				•	"PMD f or simi	for DWDM BLA ilar	CK LINK"		
					Proposed I	Response	Response Status W		
					PROP		T IN PRINCIPLE.		

C/ 154	SC 154.2.	P 102	L 25	# 43	C/ 45	SC 45.2.1.1	B6al	P 44	L 42	# 46
Brown, Ma	tt	Huawei Techn	ologies Canada		Bruckmar	n, Leon		Huawei		
Comment	Туре Т	Comment Status D			Commen	tType E	Comment	Status D		Bucket
	_ /	nbol" is never defined in this C	lause.			anguage in this p ment, see for exa	• •		one used in simi	ilar paragraphs in this
Suggested Define	rx symbol".				Suggeste	dRemedy				
Proposed I PROP					regist					32-bit counter. When le, the register 1.2276
to'	SK symbol strear SK rx_symbol str					ers 1.2276 and <i>1</i>				32-bit counter. When le, register 1.2276 is
	onally in 154.5.2 SK symbol strear	change the two instances of ns"				Response	,	Status W		
	SK tx_symbol str	eams"			C/ 45	SC 45.2.1.1	86am	P 45	L 10	# 47
C/ 154	SC 154.3.2	P 102	L 50	# 44	Bruckmar	n, Leon		Huawei		
Brown, Ma	tt	Huawei Techn	ologies Canada		Commen			Status D		Bucket
Comment	Туре Е	Comment Status D	Ũ	Bucket		anguage in this p ment, see for exa			one used in sim	ilar paragraphs in this
Editor	s note should be	in prescribed format (not red	italic text).		Suggeste	dRemedy				
Single	editor's notes u	sing proper format. (tor's note" table format. se 154.			regist	er 1.2278 is read	l first,"		ed to read the 32 to read the 32-bi	2-bit counter value, the t counter value,
Proposed I	•	Response Status W			regist	er 1.2278 is read	l first,"			
PROP	OSED ACCEPT	•				Response	Response			
Execut	e modification in	proposed remedy with editor	ial license.		PRO	POSED ACCEP	IN PRINCIPL	.E		
C/ 154	SC 154.5.3	P104	L 51	# 45						ce from "Registers ad "Registers 1.2278
Brown, Ma			ologies Canada			.2279 are used t				
	DQPSK stream o	Comment Status D arries 50 Gb/s not 100 Gb/s. rring to the DQPSK signal on								
Suggested	Remedy	Gb/s signal" to "DQPSK 50 Gb								
	Response OSED ACCEPT "100 Gb/s"	Response Status W IN PRINCIPLE.								
		ed ER/editorial required GR/g				d Z/withdrawn		Comm	ent ID 47	Page 10 of 25 1/15/2020_9:48:0

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

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					,				
CI 45	SC 45.2.1.186an	P 45	L 29	# 48	C/ 80	SC 80.1.5	P 49	L 6	# <u>5</u> 0
Bruckma	n, Leon	Huawei			Bruckmar	n, Leon	Huawei		
Commen	t Type E Con	nment Status D		Bucket	Commen	t Type 🛛 E	Comment Status D		
	anguage in this paragrap		one used in sim	ilar paragraphs in this	Missi	ng the "R"			
	ment, see for example 45	.2.1.186ad			Suggeste	dRemedy			
00	edRemedy				Chan	ge "100GBASE	-Z" to "100GBASE-ZR"		
	nge: "Registers 1.2280, 1. e, the register 1.2280 is re		2283 are used to	read the 64-bit counter		l Response IDRAWN	Response Status W		
coun	: "Registers 1.2280, 1.228 ter. When registers 1.228 ter value, register 1.2280	0, 1.2281, 1.2282, a			C/ 153	SC 153.2.3		L 43	# 51
Proposed	d Response Resi	oonse Status W			Bruckmar		Huawei		
PRO	POSED ACCEPT				Comment The l	21	Comment Status D e FAS are 0x24, while ITU-T G	6.709 defines the	<i>bucke</i> em as 0x28
C/ 45	SC 45.2.1.186ao	P 46	L 2	# 49	Suggeste	dRemedy			
Bruckma	n, Leon	Huawei					tes of the FAS to 0x28 to make	e them consister	nt with the OTU4 defined
Commen	t Type E Con	nment Status D		Bucket		J-T G.709			
	anguage in this paragrap ment, see for example 45		one used in sim	ilar paragraphs in this	, PROI		Response Status W		
Suggeste	edRemedy				Chan "1111		0 1111 0110 0010 0100 0010	0100 0010 0100)"
	nge: "When registers 1.22 ter value, the register 1.2		and 1.2287 are us	sed to read the 64-bit	to		0 1111 0110 0010 1000 0010		
	: "When registers 1.2284, ter value, register 1.2284		1.2287 are used	to read the 64-bit					
Proposed	l Response Resp	oonse Status W							
PRO	POSED ACCEPT IN PRI	NCIPLE							
value and ² read coun	fy the existing wording "R e of a 64-bit counter. Whe 1.2287 are used to read th "Registers 1.2284, 1.228 ter. When registers 1.228 ter value register 1.2284	n registers 1.2284, 1 ne 64-bit counter valu 5, 1.2286, and 1.228 4, 1.2285, 1.2286, and	.2285, 1.2286, ie, the register 1. 7 are used to rea	2284 is read first," to d the value of a 64-bit					

counter value, register 1.2284 is read first,"

C/ 153 S	C 153.2.3.2.7	P88	L 5	# 52	Cl 153	SC 1	153.2.4.1.	1 P 90	L18	# <u>5</u> 4
Bruckman, Leo	n	Huawei			Bruckman,	, Leon		Huawei		
Comment Type	F TR	Comment Status D			Comment	Туре	т	Comment Status D		
3840 (the le counter. If similar requ	east common this is a OTL4 uirement. Note	LM = 0 position shall be alig multiple of 240 and 256) fra 4 interface as noted in section that this means the LLM sh otherwise the requirement	me periods." Ti on 153.3.2.2.1 all be forced to	he LLM is the 240- , then we shall have a o a value of nx16 (n=0	Note th sixth F	hat if the AS byte on 100G	e OTU4-lik value tha BASE-ZR	equire to verify the 240 c ce signal does not includ at passes this test, so it c t signal.	e a 240 counter it v	vill probably include the
We may no	ot be able to re	euse the OTN HW, or have i	nteroperability	issues with such HW.		-	•	varify the 240 counter fr	m the fee valid ve	viable
SuggestedRem	nedy				Add a	ve requi definitio	n for lane	verify the 240 counter fr ID alignment/alignment	loss similar to the o	one found in ITU-T
every 3840 2 - Just ade aligned witl) (the least cor d a note sayin h MFAS = 0 p	" This counter 0 position sh nmon multiple of 240 and 25 g: "ITU-T G.709 Annex C re osition every 3840 (the least	56) frame perio quires that this common multi	ds." counter 0 position be iple of 240 and 256)	consec LLM b state, i five co	cutive 10 yte valu recovery	6320-byte e, and the y will be lo ve 16320 l	A new value of the logica periods the same value recovery process will er ost and the out-of-recove byte periods a value is re	is present after mo ter the in-recovery y (OOR) state be e ceived that is not t	dulo 20 operation of the (IR) state. In the IR entered, when in each of he same as the
clarification		to TBD" and send a liaision he need of this synchronization			has to	be mair	ntained as	arker value. During an O ane marker value."	OR period, the last	accepted LLM value
clarificatior require it Proposed Resp	ns regarding th conse	to TBD" and send a liaision he need of this synchronization Response Status W			has to <i>Proposed</i> PROP	be mair <i>Respon</i> OSED F	ntained as se REJECT.	arker value. During an O lane marker value." Response Status W		
clarification require it Proposed Resp PROPOSE Add a new "The lane o common m	ns regarding th conse ED ACCEPT IN penultmate se counter 0 posit nultiple of 240	to TBD" and send a liaision he need of this synchronization <i>Response Status</i> W N PRINCIPLE. entence in the 1st paragraph tion shall be aligned with MF and 256) frame periods.	on and what wi of 153.2.3.2.7 AS = 0 position	ill happen if we do not n every 3840 (the least	has to Proposed I PROP The G single- In the and he	be main Respon- OSED F .798 pro- lane inter- context ence it is	ntained as se REJECT. ocess is ar erface, ad of Etherne s describe	arker value. During an O ane marker value."	ess that acquires the s that acquires the sed for this particu rocess which requ	rame alignment on a lane number. ar multi-lane interface,
clarification require it Proposed Resp PROPOSE Add a new "The lane of common m Cl 153 S	ns regarding the point of the point of the penultmate second the penultmate of the penultmate of the penultmate of the point of the point of the point of the point of the penultmate of the pen	to TBD" and send a liaision he need of this synchronization <i>Response Status</i> W N PRINCIPLE. entence in the 1st paragraph tion shall be aligned with MF and 256) frame periods. P88	on and what wi	ill happen if we do not	has to Proposed I PROP The G single- In the and he	be main Respon- OSED F .798 pro- lane into context ence it is me lane	ntained as se REJECT. ocess is ar erface, ad of Etherne s describe	arker value. During an O a lane marker value." <i>Response Status</i> W n "add on" to a base proo ding a secondary proces et, the lane lock is only u d more like an AM lock p	ess that acquires the s that acquires the sed for this particu rocess which requ	rame alignment on a lane number. ar multi-lane interface,
clarification require it Proposed Resp PROPOSE Add a new "The lane of common m Cl 153 S Bruckman, Leo	ns regarding the point of ACCEPT IN penultmate second to position of 240 and the penultmate second to a second the of 240 and the penultiple of 240 and the penultiple of 240 and the penultiple of a second to a	to TBD" and send a liaision he need of this synchronization <i>Response Status</i> W N PRINCIPLE. entence in the 1st paragraph tion shall be aligned with MF and 256) frame periods. P88 Huawei	on and what wi of 153.2.3.2.7 AS = 0 position	ill happen if we do not n every 3840 (the least # <u>53</u>	has to Proposed I PROP The G single- In the and he the sat	be main Respon- OSED F .798 pro- lane into context ence it is me lane SC 1	ntained as se REJECT. ocess is ar erface, ad of Etherne described in multiple	arker value. During an O a lane marker value." <i>Response Status</i> W n "add on" to a base prod lding a secondary proces et, the lane lock is only u d more like an AM lock p e occurrences to achieve	ess that acquires the s that acquires the sed for this particu rocess which requ lock.	rame alignment on a lane number. ar multi-lane interface, res you see markers for
clarification require it Proposed Resp Add a new "The lane of common m C/ 153 S Bruckman, Leo Comment Type	Dependence of the second secon	to TBD" and send a liaision he need of this synchronization <i>Response Status</i> W N PRINCIPLE. entence in the 1st paragraph tion shall be aligned with MF and 256) frame periods. P88	on and what wi of 153.2.3.2.7 AS = 0 position <i>L</i> 53	ill happen if we do not n every 3840 (the least # <u>53</u> <i>bucket</i>	has to Proposed I PROP The G single- In the and he the sat	be mair Respon- OSED F -798 pro- lane intro- context ence it is me lane SC 1 , Leon Type	ntained as se REJECT. ocess is ar erface, ad of Etherne described in multiple	arker value. During an O a lane marker value." <i>Response Status</i> W n "add on" to a base prod ding a secondary proces et, the lane lock is only u d more like an AM lock p e occurrences to achieve <i>P</i> 93	ess that acquires the s that acquires the sed for this particu rocess which requ lock.	rame alignment on a lane number. ar multi-lane interface, res you see markers for
clarificatior require it Proposed Resp Add a new "The lane of common m Cl 153 S Bruckman, Leo Comment Type The last by it as 0x28. SuggestedRem	ns regarding the points of the points of the point of the	to TBD" and send a liaision he need of this synchronization <i>Response Status</i> W N PRINCIPLE. entence in the 1st paragraph tion shall be aligned with MF and 256) frame periods. P88 Huawei <i>Comment Status</i> D	on and what wi of 153.2.3.2.7 AS = 0 position <i>L</i> 53 value 0x24, wh	ill happen if we do not n every 3840 (the least # <u>53</u> <i>bucket</i> ile ITU-T G.709 defines	has to Proposed I PROP The G single- In the and he the sai Cl 153 Bruckman, Comment Spare Suggested	be mair Respon. OSED F .798 pro- lane int context ence it is me lane SC 1 , Leon Type line	ntained as se REJECT. occess is ar erface, ad of Etherne describer in multiple 153.2.5.1 E	arker value. During an O a lane marker value." <i>Response Status</i> W n "add on" to a base prod lding a secondary proces et, the lane lock is only u d more like an AM lock p e occurrences to achieve <i>P</i> 93 Huawei	ess that acquires the s that acquires the sed for this particu rocess which requ lock.	rame alignment on a lane number. ar multi-lane interface, ires you see markers for # <u>55</u>

C/ 153	SC 153.3.2	2.4	P 95	L38	# 56	C/ 154	SC 154.	E 4	P105	L16	# 58
Bruckman,		2.1	F 95 Huawei	L 30	# 30	Bruckman		5.4	F 105 Huawei	L 10	# 20
Comment		Comm	nent Status D		bucket	Comment		,	Comment Status D		
All thro 24.883 Refer a	ough section 18 32 GBd. Then i	3 the rates section 15	are defined using th	e approximate va	e.g. (255/227) ×	"SIGN lanes. condit	AL_DETEC The value of ions defined	T shal of the \$ I in Ta	Il be a global indicator of the SIGNAL_DETECT parameter ble 154-5. The PMD received.	r shall be gene	rated according to the
	-		text as follows: "a	signaling rate of	(255/227) × 24.8832	points		4-9 th	erify that there is an optical s at defines the average input		
Proposed	Response	Respor	nse Status W			Suggested	Remedy				
	OSED ACCEP	Τ.					optical signa it that way		er is required to be monitore le 154-9.	d per lane (per	polarization), then
<i>CI</i> 154 Bruckman,	SC 154.5.2 , Leon		P 104 Huawei	L41	# 57	,	0		SIGNAL_DETECT definition resence of optical signals." a	_	
(same) S <i>uggested</i>	section the tex page line 51) s IRemedy	t is: "Table imilar text r	eads: "Table 154-4	shows the mapp	Bucket the following section ing." ws" in both sentences.	Proposed PROP Impler Remo	Response OSED ACC	EPT I d optio 4 the s	Response Status W N PRINCIPLE. In in remedy. Suggestion that each incomin		
Proposed	Response	Respor	nse Status W			C/ 154	SC 154.	5.4	P105	L 35	# 59
	OSED ACCEP					Bruckman	, Leon		Huawei		
Implen	nent proposed	remedy with	n editorial license.			<i>Comment</i> Unnec	<i>Type</i> E cessary wor	d "for"	Comment Status D		Bucke
						Suggested Remo	<i>Remedy</i> ve the unne	cesary	/ "for"		
						Proposed PROP	Response OSED ACC	EPT.	Response Status W		

C/ 153 SC 153.2.4.4	4 P 9 3	L 3	# 60	C/ 153 SC 153.2	.4.2	P 91	L17	# 63
Bruckman, Leon	Huawei			Bruckman, Leon		Huawei		
Comment Type T	Comment Status D			Comment Type TR	Comment	Status D		
Undefined variable in I	Figure 153-8: "fas_status"					_fecl and curre	ent_fecl ? It is en	ough to compare to the
SuggestedRemedy				FAS known seque		ar interfaces it	t is enough to tes	at a fixed subset of FAS
Define "fas_status"				bytes (3rd, 4th, 5th)	ar interfaces, it		
Proposed Response	Response Status W			SuggestedRemedy				
PROPOSED ACCEPT	,			Replace: "fas mat	h is true if fas va	lid is true for fi	rst fecl and curre	ent fecl,"
Change "fas_status" to	o "fas_align_status"			· _	_		-	
C/ 153 SC 153.2.4.4	4 <i>P</i> 93	L 6	# 61	With: "fas_match is pattern described i		ourth and fifth	octets match the	known bits of the
Bruckman, Leon	Huawei			Proposed Response	Response S	Status W		
Comment Type T	Comment Status D			PROPOSED REJE		.		
Undefined variable in I	Figure 153-8: "all_fas_valid"			Since G.798 is an single-lane interfac	add on" to a base	e trame alignme secondary prov	ent process origin	nally designed for he lane number that is
uggestedRemedy				independent of acc	uiring frame aligni	ment in the firs	st place.	
Define "all_fas_valid".				As this process is the manner of AM	only used for this p	particular multi-	-lane interface, it	is described more in
							ar lane occurs in	one sien
								one etep.
	an variable that is set to true it			C/ 153 SC 153.2		P 90	L 32	# 64
are considered to be a	an variable that is set to true in ligned when fas_lock <x> is tr clane, and each FEC lane has</x>	ue for all x, fram	e alignment has been			•		·
are considered to be a	lligned when fas_lock <x> is tr lane, and each FEC lane has</x>	ue for all x, fram	e alignment has been	C/ 153 SC 153.2 Bruckman, Leon	.4.1.1	P 90 Huawei		·
are considered to be a acquired on each FEC variable is set to false.	lligned when fas_lock <x> is tr lane, and each FEC lane has</x>	ue for all x, fram	e alignment has been	C/ 153 SC 153.2 Bruckman, Leon Comment Type T	.4.1.1 Comment	P 90 Huawei Status D	L 32	# 64
are considered to be a acquired on each FEC variable is set to false. Proposed Response PROPOSED REJECT	ligned when fas_lock <x> is tr lane, and each FEC lane has Response Status W</x>	rue for all x, fram s a unique lane r	e alignment has been	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a	.4.1.1 Comment	P 90 Huawei Status D	L 32	# 64
are considered to be a acquired on each FEC variable is set to false. Proposed Response PROPOSED REJECT	ligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W</x>	rue for all x, fram s a unique lane r	e alignment has been	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy	.4.1.1 Comment lignment_valid var	P 90 Huawei S <i>tatus</i> D riable set ? It d	L 32	# <u>64</u> in the state machines
are considered to be a acquired on each FEC variable is set to false. roposed Response PROPOSED REJECT The variable "fas_aligr	ligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W n_status" already has this me</x>	rue for all x, fram s a unique lane r	e alignment has been	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy	.4.1.1 Comment lignment_valid var alignment_valid to	P 90 Huawei S <i>tatus</i> D riable set ? It d	L 32	# 64
are considered to be a acquired on each FEC variable is set to false. Proposed Response PROPOSED REJECT The variable "fas_align of 153 SC 153.2.3.3	ligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W n_status" already has this me</x>	rue for all x, fram s a unique lane r aning.	e alignment has been number. Otherwise, this	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy Add setting of fec_	.4.1.1 Comment lignment_valid var alignment_valid to	P90 Huawei Status D riable set ? It d Figure 153-8, ED state	L 32	# <u>64</u> in the state machines
are considered to be a acquired on each FEC variable is set to false. Proposed Response PROPOSED REJECT The variable "fas_align C/ 153 SC 153.2.3.3 Bruckman, Leon	Iligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W </x>	rue for all x, fram s a unique lane r aning.	e alignment has been number. Otherwise, this	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy Add setting of fec_ state and TRUE in	.4.1.1 Comment lignment_valid var alignment_valid to ALIGN_ACQUIRE Response \$	P90 Huawei Status D riable set ? It d Figure 153-8, ED state	L 32	# <u>64</u> in the state machines
are considered to be a acquired on each FEC variable is set to false. Proposed Response PROPOSED REJECT The variable "fas_aligr C/ 153 SC 153.2.3.3 Bruckman, Leon Comment Type TR	Iligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W </x>	rue for all x, fram s a unique lane r aning. <i>L</i> 43	e alignment has been number. Otherwise, this # 62	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy Add setting of fec_ state and TRUE in Proposed Response PROPOSED REJE The state diagram	.4.1.1 Comment lignment_valid var alignment_valid to ALIGN_ACQUIRE Response S CT. is a per-lane proce	P90 Huawei Status D riable set ? It d Figure 153-8, ED state Status W ess. This varial	L 32 loes not show up FALSE in LOSS ble is set by natu	# 64
are considered to be a acquired on each FEC variable is set to false. Proposed Response PROPOSED REJECT The variable "fas_aligr C/ 153 SC 153.2.3.3 Bruckman, Leon Comment Type TR The frame start position	Iligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W</x>	rue for all x, fram s a unique lane r aning. <i>L</i> 43 shall be maintair	e alignment has been number. Otherwise, this # 62	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy Add setting of fec_ state and TRUE in Proposed Response PROPOSED REJE The state diagram "Boolean variable f	.4.1.1 Comment lignment_valid var alignment_valid to ALIGN_ACQUIRE <i>Response</i> S CT. is a per-lane proce hat is set to true if	P90 Huawei Status D riable set ? It d Figure 153-8, ED state Status W ess. This varial all FEC lanes	L32 loes not show up FALSE in LOSS ble is set by natu are aligned".	# 64
are considered to be a acquired on each FEC variable is set to false. Proposed Response PROPOSED REJECT The variable "fas_aligr Cl 153 SC 153.2.3.3 Bruckman, Leon Comment Type TR The frame start position loss to avoid problems	Iligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W</x>	rue for all x, fram s a unique lane r aning. <i>L</i> 43 shall be maintair	e alignment has been number. Otherwise, this # 62	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy Add setting of fec_ state and TRUE in Proposed Response PROPOSED REJE The state diagram "Boolean variable f	.4.1.1 Comment lignment_valid var alignment_valid to ALIGN_ACQUIRE <i>Response</i> S CT. is a per-lane proce hat is set to true if FEC lanes are alig	P90 Huawei Status D riable set ? It d Figure 153-8, ED state Status W ess. This varial all FEC lanes gned, this varia	L32 loes not show up FALSE in LOSS ble is set by natu are aligned".	# 64
are considered to be a acquired on each FEC variable is set to false. PROPOSED REJECT The variable "fas_aligr of 153 SC 153.2.3.3 ruckman, Leon comment Type TR The frame start position loss to avoid problems suggestedRemedy Add sentence: "The frame	Iligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W 3.1 <i>P</i>88 Huawei <i>Comment Status</i> D on and the FEC lane number s is when loss of alignment happ</x>	rue for all x, fram s a unique lane r aning. <i>L</i> 43 shall be maintair pens due to bit en	# 62	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy Add setting of fec_ state and TRUE in Proposed Response PROPOSED REJE The state diagram "Boolean variable of So after all twenty	.4.1.1 Comment lignment_valid var alignment_valid to ALIGN_ACQUIRE <i>Response</i> S CT. is a per-lane proce hat is set to true if FEC lanes are alig	P90 Huawei Status D riable set ? It d Figure 153-8, ED state Status W ess. This varial all FEC lanes gned, this varia	L32 loes not show up FALSE in LOSS ble is set by natu are aligned".	# 64
are considered to be a acquired on each FEC variable is set to false. Proposed Response PROPOSED REJECT The variable "fas_aligr C/ 153 SC 153.2.3.3 Bruckman, Leon Comment Type TR The frame start position loss to avoid problems SuggestedRemedy Add sentence: "The fra during loss of alignment	Iligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W 3.1 <i>P</i>88 Huawei <i>Comment Status</i> D on and the FEC lane number s is when loss of alignment happ</x>	rue for all x, fram s a unique lane r aning. <i>L</i> 43 shall be maintair pens due to bit en	# 62	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy Add setting of fec_ state and TRUE in Proposed Response PROPOSED REJE The state diagram "Boolean variable of So after all twenty	.4.1.1 Comment lignment_valid var alignment_valid to ALIGN_ACQUIRE <i>Response</i> S CT. is a per-lane proce hat is set to true if FEC lanes are alig	P90 Huawei Status D riable set ? It d Figure 153-8, ED state Status W ess. This varial all FEC lanes gned, this varia	L32 loes not show up FALSE in LOSS ble is set by natu are aligned".	# 64
are considered to be a acquired on each FEC variable is set to false. PROPOSED REJECT The variable "fas_aligr Cl 153 SC 153.2.3.3 Bruckman, Leon Comment Type TR The frame start position loss to avoid problems SuggestedRemedy Add sentence: "The frame	Iligned when fas_lock <x> is tr lane, and each FEC lane has <i>Response Status</i> W 3.1 <i>P</i>88 Huawei <i>Comment Status</i> D on and the FEC lane number s is when loss of alignment happ</x>	rue for all x, fram s a unique lane r aning. <i>L</i> 43 shall be maintair pens due to bit en	# 62	Cl 153 SC 153.2 Bruckman, Leon Comment Type T Where is the fec_a SuggestedRemedy Add setting of fec_ state and TRUE in Proposed Response PROPOSED REJE The state diagram "Boolean variable of So after all twenty	.4.1.1 Comment lignment_valid var alignment_valid to ALIGN_ACQUIRE <i>Response</i> S CT. is a per-lane proce hat is set to true if FEC lanes are alig	P90 Huawei Status D riable set ? It d Figure 153-8, ED state Status W ess. This varial all FEC lanes gned, this varia	L32 loes not show up FALSE in LOSS ble is set by natu are aligned".	# 64

	SC	153.2.4.1.1	P 90	L 34	# <u>6</u> 5
Bruckman,	Leon		Huawei		
Comment 7	Гуре	Е	Comment Status D		buck
		lifference bet d on each Fl	tween: "fas_lock <x> is true EC lane" ?</x>	for all x" and "fra	ame alignment has
Suggestedl	Remed	dy			
Remov	e: "fra	me alignmer	nt has been acquired on ea	ch FEC lane"	
Proposed F	Respor	ıse	Response Status W		
PROP	DSED	ACCEPT.			
C/ 153	SC	153.2.1	P82	L10	# 66
		100.2.1	Huawei	210	# 00
Bruckman,					
Comment 7	⁻уре	TR	Comment Status D		
The SI	GNAL	_OK parame	ter of the FEC:IS_SIGNAL	indication primit.	ive is driven by
	yn_sta				
fec_alię			•	A. L. C. A. Alle, S. S. L. S. C. S. S.	no froquently due to
fec_ali			f any lane looses alignmen		. ,
fec_ali			rding to the text in this case		. ,
fec_ali	C high	BER. Accor	, ,		. ,
fec_alic pre-FE SuggestedI Add pe	C high Remea rsister	i BER. Accor <i>dy</i> ncy check of	rding to the text in this case fec_align_status before ch	e receiver may b anging SIGNAL	e impaired frequently.
fec_alic pre-FE <i>SuggestedI</i> Add pe I sugge	C high Remea rsister est a 3	BER. Accor dy ncy check of msec persist	rding to the text in this case fec_align_status before ch tency check to be in line wi	e receiver may b anging SIGNAL	e impaired frequently.
fec_alic pre-FE Suggested Add pe I sugge Proposed F	C high Remea rsister est a 3 Respor	BER. Accor dy ncy check of msec persist	rding to the text in this case fec_align_status before ch	e receiver may b anging SIGNAL	e impaired frequently.

the SC-FEC synchronization state diagram in Figure 153-7, which loses lock when fas bad count = 5, not when 3ms have transpired.

The commenter may be thinking delays between defects and alarms, which are not a concept captured in IEEE Std 802.3.

C/ 153	SC 153.2.4.1.1	P 90	L15	# 67
Bruckman,	Leon	Huawei		

omment Type T Comment Status D

The alignment scheme can be simplified. Also the scheme is not consistent with similar ITU-T G.798 alignment schemes for similar signals

SuggestedRemedy

Replace: "Boolean variable that is set to true if the received 6-octet sequence is a valid frame alignment signal. The frame alignment signal consists of 40 known bits and 8 variable bits. The sequence is considered to be valid if four of the first five octets match the known bits of the pattern described in 153.2.3.2.4, and the 6th octet represents a numerical value in the range 0 to 239 with the most-significant bit transmitted first.

With: "Boolean variable that is set to true if the received 5-octet sequence is a valid frame alignment signal. The frame alignment signal consists of 40 known bits. The sequence is considered to be valid if a subset of 4 octets match the known bits of the pattern described in 153.2.3.2.4."

Proposed Response Response Status W

PROPOSED REJECT.

The proposed remedy is not consistent with the rest of the text, which described the FAS as a 6-octet value rather than 5-octets. The text as written reflects the fact that when striping across lanes, the final octet becomes a lane identifier and hence becomes variable. But it is still part of the 6-octet FAS.

C/ 153	SC 153.2.4.2	2 P91	L14	# 68	C/ 153	SC	153.2.4.1.	1 <i>P</i> 9	0
Bruckman	ı, Leon	Huawei			Bruckman	Leon		Huawe	i
Comment	Туре Т	Comment Status D			Comment	Туре	т	Comment Status D	
The a	lignment loss sc	heme can be simplified. Also	the scheme is n	ot consistent with	Why i	the fe	ec_lane vari	able required ? It will alw	ays
simila	r ITU-T G.798 al	ignment schemes for similar	signals.		first fe	cl, and	d it is only u	sed in the 2 GOOD stat	e to
Suggester	dDomody	-	•		FEC	ane m	apping <x></x>	MDIO indication.	

SuggestedRemedy

Replace: "This function compares the values of first_fecl and current_fecl to determine if a valid frame alignment sequence has been detected and returns the result of the comparison using the variable fas_match. fas_match is true if the third, fourth and fifth octets match the known bits of the pattern described in 153.2.3.2.4, and the 6th octet of first_fecl (interpreted with the most significant bit transmitted first) modulo 20 is equal to the 6th octet of current_fecl (interpreted with the most significant bit transmitted first) modulo 20. Otherwise, fas_match is false."

With: "This function compares the values of first_fecl and current_fecl to determine if a valid frame alignment sequence has been detected and returns the result of the comparison using the variable fas_match. fas_match is true if the third, fourth and fifth octets match the known bits of the pattern described in 153.2.3.2.4. Otherwise, fas_match is false."

Proposed Response Response Status W

PROPOSED REJECT.

The referenced G.798 process was defined as an "add on" to a base frame alignment process that was developed long before to deal with single-lane interfaces and adapted later for multi-lane interfaces, ignoring the variable bits entirely, then extracting the lane number from the variable bits and making the assumption that it matched while you were acquiring lock.

The process in this document deals only with this multi-lane interface, and is modeled after how alignment marker lock is acquired: not only must any fixed bits match, but the variable bits must match the same lane to lock onto that lane.

C/ 153	SC	153.2.4.4	P 92	L13	# 69
Bruckman	n, Leon		Huawei		
Comment	Туре	т	Comment Status D		
There	is no a	ction in FAS	S_COMPARE state		

SuggestedRemedy

Add the FAS COMPARE function to the FAS COMPARE state

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

PROPOSED ACCEPT IN PRINCIPLE.

Add the FAS_COMPARE function to the FAS_COMPARE state. Change the exit transitions from FAS_COMPARE to be "fas_match" and "!fas_match" rather than "fas_valid"

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 71

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SuggestedRemedy		
Remove the fec_lane va	riable and replace f	ec_lane with first_fecl in th 2_GOOD state.
Proposed Response	Response Status	w
PROPOSED REJECT		

While in principle this might have been done with fewer variables, this precisely aligns with the variables defined for the same purpose in clause 91. You have a first_fecl and current_fecl which are compared while acquiring lock, and fec_lane (and more importantly, the MDIO-mapped FEC_lane_mapping<x>) are set on the fas_match transition out of COMP_2ND.

C/ 45	SC 45.2.1.186ab.7	P 37	L 25	# 71
Trowbrid	ge, Steve	Nokia		
~				

Comment Type E Comment Status D

It is not clear to all readers why only the value "1" is supported.

SuggestedRemedy

Add an explanatory "NOTE: The FEC states that are optional in the context of Clause 91 are mandatory in the context of Clause 152. Therefore the value of this bit is fixed at 1, since these states are always supported for Clause 152 implementations."

Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE

Overtaken by events, see response to comment 30.

C/ 153 SC 153.2.3	.4 P85	L 6	# 72	C/ 1	SC 1.5		P 22	L 50	# 80
Frowbridge, Steve	Nokia			D'Ambrosi	ia, John		Futurewei, U.S	S. Subsidiary of	Huawei
Comment Type E Unclear Wording	Comment Status D			Comment SC-FE	51	Comment S d in abbreviation			
difference between th distribution algorithm'	eneric mechanism that can acc le payload and the space in wh ' to "GMP is a generic mechan odate an arbitrary signaling rat arried"	nich it is carried the tage of	hat uses a sigma/delta sigma/delta distribution	SC-FE Proposed	bbreviation to 1 EC Staircas <i>Response</i>				
Proposed Response PROPOSED ACCEP	Response Status W			See re	esponse to com	ment 2.			
	1.			C/ 154	SC 154.3.2		P 102	L 51	# 81
C/ 80 SC 80.1.4	P 56	L 32	# 79	D'Ambrosi	ia, John		Futurewei, U.S	S. Subsidiary of	Huawei
)'Ambrosia, John	Futurewei, U.	S. Subsidiary of	Huawei	Comment	Туре Е	Comment S	Status D		Buck
<i>Comment Type</i> E Description for 100 G					llowing text "Ad 's note.	ditional informati	ion on skew va	riation to be add	led." appears to be an
100Gb/s PHY using 1 reach up to at least 8 lanes" in the draft	00GBASE-R encoding over or 0 km (see Clause154). There	ne WDM lane on is no use of the f	a DWDM system, with terminology "WDM	S <i>uggested</i> chang	-	ent to an editor's	s note.		
SuggestedRemedy				Proposed	Response	Response S	Status W		
Change description to 100Gb/s PHY using 1	00GBASE-R encoding over a			PROPOSED ACCEPT IN PRINCIPLE. See resolution to comment #44					
	d, with reach up to at least 80 l	km (see Clause1	54).	C/ 154	SC 154.3.2		P 103	L10	# 82
Proposed Response PROPOSED ACCEP	Response Status W			D'Ambrosi	ia, John		Futurewei, U.S	S. Subsidiary of	Huawei
PROPOSED ACCEP				Comment	Type ER	Comment S	Status D		
a DWDM system, wit using 100GBASE-R e	"100Gb/s PHY using 100GBAS h reach up to at least 80 km (s encoding over one DWDM cha	ee Clause154)" I	to read "100Gb/s PHY	"89.7.	2 needs to be ι	not appear in sco pdated for multi-)GBASE-FR - wl	lane implemer	ntations"	
	ast 80 km (see Clause 154)"			Suggested delete	dRemedy noted commer	nt			
with reach up to at le.									
with reach up to at le				Proposed	Response	Response S	Status W		

C/ 154	SC 154.6	P 107	L 27	# 83		C/ 154	SC 154.	7.1	P 109	L 37	# 86
)'Ambrosia,	John	Futurewei, U.S	. Subsidiary of I	Huawei		Schmitt, M	latt		CableLabs		
Comment Ty	/pe E	Comment Status D		E	Bucket	Comment	Туре Т		Comment Status D		
There is	a black square	e in Fig 154-3 that does not ap	pear to belong i	n the figure				ere is	a TBD for "Skew between the	two polarizati	ons (max)" that need
SuggestedR	emedy					to be r	esolved.				
00	oted black squ	are				Suggested	lRemedy				
Proposed Re PROPO	esponse SED ACCEPT	Response Status W				John I more s evider	DeAndrea at stringent 6 p lice that a rel	the N s requ laxatio	" to "10" [ps] to align with ITU lovember plenary (deandrea_ uirement in the CableLabs PH on to 10 ps is harmful, I propo	3ct_01) shows Yv1.0 spec; h	data to support the owever, barring
/ 154	SC 154.2	P 102	L 26	# 84		•	•	t on th	his at the interim in January.		
Schmitt, Mat	tt	CableLabs				Proposed	,		Response Status W		
Comment Ty	/pe E	Comment Status D		E	Bucket	PROP	OSED ACC	EPT.			
The font around i		of the last paragraph in 154.2 o	does not seem t	o match the text		C/ 154	SC 154.	7.1	P109	L 43	# 87
SuggestedR	emedy					Schmitt, M	latt		CableLabs		
Adjust fo	ont and/or font	size as necessary to match su	urrounding text.			Comment	11.1		Comment Status D		
Proposed Re		Response Status W					le 154-8, the ' that needs		a TBD for "Average launch po resolved.	ower of OFF tra	ansmitter, each lane
	SED REJECT	-				Suggested	Remedy				
C/ 154	SC 154.6	P106	L 41	# 85)" to "-35" [dBm] to align with o hn DeAndrea at the Novembe		
chmitt, Mat	tt	CableLabs				Proposed	Response		Response Status W		
Comment Ty	/pe E	Comment Status D		E	Bucket				N PRINCIPLE.		
In the fir single op and wav	st sentence of ptical frequenc	154.6, there is the following si y (often also referred to as war e same and interchangeable; i erefore, the statement is argua	velength)". This n reality, they ar	implies that frequ e directly related b					medy, but remove "each lane" omment #58.		
SuggestedR		,	,								
Modify t	hat portion of t	he sentence to read as follows referred to by it's associated wa									

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. Implement the suggested remedy with editorial license.

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

				3				
C/ 154 SC 154.7.1	P 109	L 44	# 88	C/ 154 S	SC 154.7.2	P 110	L 28	# <u>9</u> 0
chmitt, Matt	CableLabs			Schmitt, Matt		CableLabs		
Comment Type T	Comment Status D			Comment Type	e T	Comment Status D		
-	a TBD for "Optical return loss	s tolerance (ma	x)" that needs to be	In Table 1	54-9, there is a	a TBD for "Receiver reflectar	nce (max)" that	needs to be resolved
resolved.				SuggestedRen	nedy			
uggestedRemedy				Propose cl	hanging "TBD	' to "20" [dB] to align with Ca	bleLabs and O	IF specifications, as
	' to "25" [dB] to align to Cabl					sentation from myself and At		
	s figure shall be done in the bs spec, hence the CableLa			December interim.	. vviii prepare	a presentation that includes	this recommer	idation for the January
0,	the ITU requirement, and b			Proposed Res	ponse	Response Status W		
	d Atul S. from NEL America performance. Will prepare a					N PRINCIPLE.		
January interim.						at the meeting in Geneva.		
Proposed Response	Response Status W			C/ 154 S	SC 154.7.3	P 110	L 52	# 91
PROPOSED ACCEPT IN				Schmitt, Matt		CableLabs		
	at the meeting in Geneva.			Comment Type	e T	Comment Status D		
/ 154 SC 154.7.1	P 109	L 46	# 89	In Table 1	54-10, there is	a TBD for "Minimum optical	return loss at T	P2" that needs to be
chmitt, Matt	CableLabs			resolved.				
Comment Type T	Comment Status D			SuggestedRen	nedy			
In Table 154-8, there is a	a TBD for "Transmitter reflec	tance (max)" th	at needs to be resolved.			parameter from the table (de		
SuggestedRemedy						the Tx Reflectance parame are a presentation on this pro		
Droposo changing "TPD"	te "20" [dD] te elian with Ce	hial aha and O	C anagifications as	needed ne		are a procentation on the pre-		

Proposed Response

PROPOSED REJECT.

into the transmitter, thus completely different.

Propose changing "TBD" to "20" [dB] to align with CableLabs and OIF specifications, as was proposed in the presentation from myself and Atul S. from NEL America at the call in December. Will prepare a presentation that includes this recommendation for the January interim.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

For task force discussion at the meeting in Geneva.

Response Status W

Optical return loss at TP2 is return loss into the black link. The Tx reflectance parameter is

C/ 154 SC 154.7.3	P 110	L 53	# 92	C/ 154	SC 154.5.4	P105	L 22	# <u>9</u> 4
chmitt, Matt	CableLabs			Maniloff, E	Eric	Ciena		
Comment Type T	Comment Status D			Comment	Type E	Comment Status D		
In Table 154-10, there is that needs to be resolved	a TBD for "Maximum discre d.	ete reflectance b	etween TP2 and TP3"	Definit define		is ambiguous. The lanes	being referred to	here should be
SuggestedRemedy				Suggested	dRemedy			
	parameter from the table (d			Chang	ge wording to someth	ning along the lines of "on	i each polarizatio	n state".
Receiver Reflectance (15	etance (Table 154-8), Return 54-9), this parameter is not r on ont his proposal for the Ja	needed and is ef	fectively redundant. I		Response P POSED ACCEPT IN esolution to commen			
Proposed Response	Response Status W							
PROPOSED REJECT. This parameter is intended	ed to put restrictions on con	nection points (c	connectors splices	C/ 154	SC 154.6	P 107	L 34	# 95
	link to ensure that penaltie			Maniloff, E		Ciena		
7 154 SC 154.8	P111	L17	# 93	Comment	71 ²	Comment Status D		
chmitt, Matt	CableLabs	LIT	# 93			s not support the full 80kı primary application, and tl		
Comment Type T	Comment Status D			define	d. This should be no	ted in the Black Link des	cription.	
	efinitions of optical parameter	ers and measure	ement methods.	Suggested	dRemedy			
	he list of optical parameters ber of parameters have no		, -9, and -10 with this			ication is amplified, as the d Rx power specs, along		e will not reach 80kr
SuggestedRemedy				Proposed	Response I	Response Status 🛛 🛛 🛛 🛛 🛛 🛛 🖉		
	for each parameter in Table rently isn't a definition simply to address those gaps				POSED ACCEPT IN e 154.6 is intended t	PRINCIPLE. o clarify how a black link	works.	
Proposed Response	Response Status W					bllowing note to Tables 15		
PROPOSED REJECT.						essary to support amplifie to allow operation on una		p to at least 80 km c
It is not clear what is mis				For the	e following paramete	ers:	implined links.	
	as been provided with propo	sed editor instru	ctions to modify the	Trans	mitter OSNR(193.6)	(min)		
draft.					um average input po um OSNR(193.6) [u			
				See a	lso resolution to com	iment #99.		

SC 154.7.1	P109							
	1 105	L 43	# <u>9</u> 6	C/ 154	SC 154.8.15	P113	L 24	# 99
ic	Ciena			Maniloff, Er	ic	Ciena		
Гуре Е	Comment Status D			Comment 7	Гуре Е	Comment Status D		
power being refe	erred to here is for Tx disabled.			Text re	ading " with like	ly shorter links than 80 km" is	awkward.	
Remedy				Suggestedl	Remedy			
e Description text	to "disabled transmitter".							
Response	Response Status W							
			in 110	Proposed F	Response	Response Status W		·
rrent parameter r	name is consistent with in-torce	e clauses, e.g.	in 140.		•			
SC 154.8.12	P 113	L 5	# 97					· f
ic	Ciena							
Гуре E	Comment Status D			maxim	um reach of the	se applications to less than th		
		ment for OSN	R(193.6) needs to be	amplifie	ed applications.'	1		
•	appies to 154.8.13 as well.			C/ 154	SC 154.7.1	P109	L 25	# 100
•				Zhang, Bo		Inphi		
			R requirement must	0	vpe TR	•		
	Response Status W	,, . ,		Similar	to receiver char		st separate the	average channel output
OSED ACCEPT.					-			
SC 154.8.14	P113	L 17	# 98	averag	e channel outpu		dBm. Average o	channel output power
					,	•		
					•			
range for OSNR	measurement is not specified.			The sp	ecified transmitt		d support both	amplified and
•						commont #0E		
	OSNR requirement must be me	et over power	range as specified in	See als		comment #95		
Response	Response Status W							
e the text of 154.8 SNR(193.6) [am	3.14 to:							
	Type E c power being reference Remedy e Description text Response DSED REJECT. DSED REJECT. rrent parameter r SC 154.8.12 ric Type ading "defines them isleading. This Remedy e wording to "defines them isleading. This Remedy e wording to "defines them isleading. This Response DSED ACCEPT. SC 154.8.14 ric Type Remedy xt indicating that 0 154-9 Response DSED ACCEPT I CSED ACCEPT I ethe text of 154.8	Type E Comment Status D c power being referred to here is for Tx disabled. Remedy e Description text to "disabled transmitter". Response Response Status W OSED REJECT. rrent parameter name is consistent with in-force SC 154.8.12 P113 ric Ciena Type E Comment Status ading "defines the range over which the requirem isleading. This appies to 154.8.13 as well. Remedy e wording to "defines the input power range over at the minimum OSNR defined by OSNR(193.6) Response Response Response Status W OSED ACCEPT. SC 154.8.14 P113 ric Ciena Type E SC 154.8.14 P113 Ciena Type SC 154.8.14 P113 Tic Ciena Type E Comment Status D range for OSNR measurement is not specified. Remedy Tinicianing that OSNR requirement must be measurement is not specified. Response Response Status W OSED ACCEPT IN PRINCIPLE. Tiene the text of 154.8.14 to:	Type E Comment Status D c power being referred to here is for Tx disabled. Remedy c Description text to "disabled transmitter". Response Response Status W OSED REJECT. rrent parameter name is consistent with in-force clauses, e.g. SC 154.8.12 P113 L5 ric Ciena Type E Comment Status D ading "defines the range over which the requirement for OSNI misleading. This appies to 154.8.13 as well. Remedy e wording to "defines the input power range over which the BE at the minimum OSNR defined by OSNR(193.6)". Response Response Response Status W OSED ACCEPT. SC 154.8.14 P113 L17 ric Ciena Ciena Type Type E Comment Status D OSED ACCEPT. SC 154.8.14 P113 L17 ric Ciena Type E Comment Status D range for OSNR measurement is not specified. Remedy Ciena Response Response Status W Response Response Status W <td>Type E Comment Status D power being referred to here is for Tx disabled. Remedy e Description text to "disabled transmitter". Response Response Status W OSED REJECT. rrent parameter name is consistent with in-force clauses, e.g. in 140. SC 154.8.12 P113 L5 # 97 ric Ciena Type E Comment Status D ading "defines the range over which the requirement for OSNR(193.6) needs to be misleading. This appies to 154.8.13 as well. Remedy e wording to "defines the input power range over which the BER requirement must rat the minimum OSNR defined by OSNR(193.6)". Response Response Status W OSED ACCEPT. SC 154.8.14 P113 L17 # 98 ric Ciena Ciena Fype E Comment Status D SC 154.8.14 P113 L17 # 98 Fice Ciena Fype E Comment Status D ric Ciena Type E Comment Status D Fice Fice Fice Fice Fice Fice Fice Fice</td> <td>TypeEComment StatusDComment Tartpower being referred to here is for Tx disabled.Text refRemedyeDescription text to "disabled transmitter".SuggestedResponseResponse StatusWDSED REJECT.Trent parameter name is consistent with in-force clauses, e.g. in 140.PROPCSC 154.8.12P113L5# 97Trent parameter name is consistent with in-force clauses, e.g. in 140.PROPCSC 154.8.12P113L5# 97Trent parameter name is consistent with the requirement for OSNR(193.6) needs to beThe reference was maximularing "defines the range over which the BER requirement mustRemedye wording to "defines the input power range over which the BER requirement mustCl 154ResponseResponse StatusWDSED ACCEPT.SuggestedaverageSC 154.8.14P113L17# 98TypeEComment StatusDTypeEComment StatusDRemedyCienaProposed HTypeEComment StatusDTrange for OSNR measurement is not specified.PROPCRemedytindicating that OSNR requirement must be met over power range as specified in 154-9ResponseResponse StatusWDSED ACCEPT IN PRINCIPLE.e the text of 154.8.14 to:</td> <td>Type E Comment Status D power being referred to here is for Tx disabled. Remedy E Text reading " with like Remedy e Description text to "disabled transmitter". Response Response Status W OSED REJECT. rrent parameter name is consistent with in-force clauses, e.g. in 140. Proposed Response Proposed Response SC 154.8.12 P113 L5 # 97 Change wording to "The requirement for OSNR(193.6) needs to be maximum reach of the same recurse of the maximum reach of the maximum reac</td> <td>Type E Comment Status D power being referred to here is for Tx disabled. Remedy a Description text to "disabled transmitter". Reprose Response Status W DSED REJECT. P113 L5 # 197 ric Clena Topower to same status D Remedy ading "defines the range over which the requirement for OSNR(193.6) needs to be misleading. This apples to 154.8.13 as well. P113 L17 # 198 Response Response Status W SEED ACCEPT. Comment Status D Remedy E Comment Status D ading "defines the range over which the requirement for OSNR(193.6) needs to be misleading. This apples to 154.8.13 as well. P113 L17 # 198 CSED ACCEPT. SC 154.8.14 P113 L17 # 198 SED FACCEPT. SC 154.8.14 P113 L17 # 198 Tange for OSNR measurement is not specified. Response Response Response Status W Response Response Status W PROPOSED REJECT. Tange for OSNR measurement is not specified. Response Status W PROP</td> <td>Type E Comment Status D power being referred to here is for Tx disabled. Remedy e Description text to "disabled transmitter". Response Response Status W SEED REJECT. rent parameter name is consistent with in-force clauses, e.g. in 140. SC 154.8.12 P113 L5 #97 ric Clena PROPOSED ACCEPT IN PRINCIPLE. Change wording to Take 15 to: Remedy e Comment Status D maximum reach of these applications. The associated channel loss with the associated channel loss with the requirement for OSNR(193.6) [nuamplified applications. NPROPOSED ACCEPT IN PRINCIPLE. Sc 154.8.14 P113 L17 #108 ric Clena Inphil rype E Comment Status D Similar to receiver characteristics spec table, suggest separate the power to amplified and unamplified cases. Sc1 54.8.14 P113 L17 #108 ric Clena maximum reach of these applications. Fourthall were applications. rype E Comment Status D Similar to receiver of anamplified cases. Suggested/Remedy waverage channel output power (amplified cases. Suggested/Remedy se conament Status D maximum reac</td>	Type E Comment Status D power being referred to here is for Tx disabled. Remedy e Description text to "disabled transmitter". Response Response Status W OSED REJECT. rrent parameter name is consistent with in-force clauses, e.g. in 140. SC 154.8.12 P113 L5 # 97 ric Ciena Type E Comment Status D ading "defines the range over which the requirement for OSNR(193.6) needs to be misleading. This appies to 154.8.13 as well. Remedy e wording to "defines the input power range over which the BER requirement must rat the minimum OSNR defined by OSNR(193.6)". Response Response Status W OSED ACCEPT. SC 154.8.14 P113 L17 # 98 ric Ciena Ciena Fype E Comment Status D SC 154.8.14 P113 L17 # 98 Fice Ciena Fype E Comment Status D ric Ciena Type E Comment Status D Fice Fice Fice Fice Fice Fice Fice Fice	TypeEComment StatusDComment Tartpower being referred to here is for Tx disabled.Text refRemedyeDescription text to "disabled transmitter".SuggestedResponseResponse StatusWDSED REJECT.Trent parameter name is consistent with in-force clauses, e.g. in 140.PROPCSC 154.8.12P113L5# 97Trent parameter name is consistent with in-force clauses, e.g. in 140.PROPCSC 154.8.12P113L5# 97Trent parameter name is consistent with the requirement for OSNR(193.6) needs to beThe reference was maximularing "defines the range over which the BER requirement mustRemedye wording to "defines the input power range over which the BER requirement mustCl 154ResponseResponse StatusWDSED ACCEPT.SuggestedaverageSC 154.8.14P113L17# 98TypeEComment StatusDTypeEComment StatusDRemedyCienaProposed HTypeEComment StatusDTrange for OSNR measurement is not specified.PROPCRemedytindicating that OSNR requirement must be met over power range as specified in 154-9ResponseResponse StatusWDSED ACCEPT IN PRINCIPLE.e the text of 154.8.14 to:	Type E Comment Status D power being referred to here is for Tx disabled. Remedy E Text reading " with like Remedy e Description text to "disabled transmitter". Response Response Status W OSED REJECT. rrent parameter name is consistent with in-force clauses, e.g. in 140. Proposed Response Proposed Response SC 154.8.12 P113 L5 # 97 Change wording to "The requirement for OSNR(193.6) needs to be maximum reach of the same recurse of the maximum reach of the maximum reac	Type E Comment Status D power being referred to here is for Tx disabled. Remedy a Description text to "disabled transmitter". Reprose Response Status W DSED REJECT. P113 L5 # 197 ric Clena Topower to same status D Remedy ading "defines the range over which the requirement for OSNR(193.6) needs to be misleading. This apples to 154.8.13 as well. P113 L17 # 198 Response Response Status W SEED ACCEPT. Comment Status D Remedy E Comment Status D ading "defines the range over which the requirement for OSNR(193.6) needs to be misleading. This apples to 154.8.13 as well. P113 L17 # 198 CSED ACCEPT. SC 154.8.14 P113 L17 # 198 SED FACCEPT. SC 154.8.14 P113 L17 # 198 Tange for OSNR measurement is not specified. Response Response Response Status W Response Response Status W PROPOSED REJECT. Tange for OSNR measurement is not specified. Response Status W PROP	Type E Comment Status D power being referred to here is for Tx disabled. Remedy e Description text to "disabled transmitter". Response Response Status W SEED REJECT. rent parameter name is consistent with in-force clauses, e.g. in 140. SC 154.8.12 P113 L5 #97 ric Clena PROPOSED ACCEPT IN PRINCIPLE. Change wording to Take 15 to: Remedy e Comment Status D maximum reach of these applications. The associated channel loss with the associated channel loss with the requirement for OSNR(193.6) [nuamplified applications. NPROPOSED ACCEPT IN PRINCIPLE. Sc 154.8.14 P113 L17 #108 ric Clena Inphil rype E Comment Status D Similar to receiver characteristics spec table, suggest separate the power to amplified and unamplified cases. Sc1 54.8.14 P113 L17 #108 ric Clena maximum reach of these applications. Fourthall were applications. rype E Comment Status D Similar to receiver of anamplified cases. Suggested/Remedy waverage channel output power (amplified cases. Suggested/Remedy se conament Status D maximum reac

C/ 154	SC 154.7.1	P109	L 46	# <u>1</u> 01	CI 45	SC	45.2.1.186a	an P45	L 29	# <u>1</u> 03		
Zhang, Bo		Inphi			Nicholl, Ga	ary		Cisco Syste	ms			
Comment Ty	pe TR	Comment Status D			Comment	Туре	Е	Comment Status D		Bucke		
(http://wv we are in SuggestedRe	ww.ieee802.or	e instead of TBD. In line with r g/3/ct/public/tf_interim/19_121			are us registe read, s	ed to re ers 1.22 and rea	ead the 64-b 281, 1.2282 ids of registe	eems quite clumsy "Regi bit counter value, the regis and 1.2283 are latched v ers 1.2281, 1.2282, and 1 the counter."	ster 1.2280 is rea hen (and only wh	d first, the values of en) register 1.2280 is		
-20dB'					Suggestee	dRemed	dy					
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See resolution comment #89					Suggest spliting into at least two sentences, perhaps something like "Registers 1.2280, 1.2281, 1.2282, and 1.2283 are used to read the 64-bit counter value. Register 1.2280 is read first and the values of registers 1.2281, 1.2282 and 1.2283 are latched when (and only when) register 1.2280 is read. Reads of registers 1.2281, 1.2282, and 1.2283 always return							
C/ 154	SC 154.7.2	P110	L 28	# 102				han the current value of t		,		
Zhang, Bo <i>Comment Ty</i>	Zhang, Bo Inphi Comment Type TR Comment Status D						Suggest using similar language for the description of other 32-bit and 64-bit counters in this section.					
(http://wv		e instead of TBD. In line with r g/3/ct/public/tf_interim/19_121			Proposed PROF	,		Response Status W NPRINCIPLE				
SuggestedRe -20dB'	emedy				See re	esponse	e to comme	nt 48.				
Proposed Re	esponse	Response Status W			CI 80	SC	80.1.3	P 48	L10	# 104		
•	•	IN PRINCIPLE.			Nicholl, G	ary		Cisco Syste	ms			
See reso	olution to comr	nent #90.			Comment Need	,,	E ate the text o	Comment Status D of list item h to be consis	tent with changes	Bucket made by 802.3cu		
					Suggestee	dRemed	dv		-	-		
					Chang DR, a to "The M 100GI	ge "The nd Clau MDIs as	MDIs as sp ise 154 for 7 s specified in FR1, and 10	becified in Clause 89 for 4 100GBASE-ZR use a sing n Clause 89 for 40GBASE 0GBASE-LR1, and Claus	le lane data path E-FR, Clause 140	." for 100GBASE-DR,		
					Proposed PROF	,		Response Status W NPRINCIPLE				

See response to comment 19.

CI 80	SC 80.1.5	P 49	L 6	# <u>1</u> 05	C/ 80	SC 80.3.2	P 49	L 27	# 107		
Nicholl, G	ary	Cisco Syste	ms		Nicholl, G	ary	Cisco Systems	3			
Comment	Туре Т	Comment Status D		Bucket	Comment	t Type E	Comment Status D		Bucket		
	80-4b should on nsistent with Tab	y have PMD columns for 10 le 154–1.	0GBASE-ZR. Ba	sically this table should	as fol		states "Change the first sente are no changes indicated in th				
Suggeste											
Remove the following columns 100GBASE-SR10 PMD						SuggestedRemedy Please identify the changes to the text with strickthrough and/or underline.					
CPPI 100GBASE-LR4 PMD 100GBASE-ER4 PMD 100GBASE-SR4 PMD					Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE						
					See r	esponse to com	ment 20.				
		ying in the table. This is a n eed for strickthrough or unde		l are not updating an	CI 80	SC 80.3.2	P 49	L 28	# 108		
Proposed	Response	Response Status W			Nicholl, G	ary	Cisco Systems	6			
PROF	POSED ACCEPT				Comment	t Туре Т	Comment Status D		Bucket		
C/ 80	SC 80.2.3	P 49	L 42	# 106			player service interfaces for 40				
licholl, G		Cisco Syste		# <u>1</u> 00			nought we were adding a new 1 be included in the list ?	IUUGDASE-Z P	Hi type (see Table 60-		
Comment		Comment Status D		Bucket	Suggeste	dRemedy					
		states "as changed by IEI	EE Std 802.3cd-2		Add reference to the 100GBASE-Z PHY Proposed Response Response Status W						
		xt does not include the char									
Suggeste	dRemedy				PRO	POSED ACCEP	IN PRINCIPLE				
		nges made by 802.3cu, spe R1 PMDs (see 802.3cu D1.		e to the 100GBASE-	See r	esponse to com	ment 20.				
Proposed	Response	Response Status W			C/ 80	SC 80.1	P 48	L 3	# 109		
PROF	POSED ACCEPT	IN PRINCIPLE			Nicholl, G	arv	Cisco Systems	3			
and 1	00GBASE-ZR PH	LR1 PHYs from 802.3cu cha IYs" to read "100GBASE-D			Comment	t Type T	Comment Status D ate Figure 80-1 to show the sta		ASE-Z PHY ?		
100G	BASE-ZR PHYs"				00	dRemedy te Figure 80-1 to	show the 100GBASE-Z PHY s	stackup			
					Proposed	Response	Response Status W				
					Modif		t PHY in the diagram to list "10	0GBASE-R, 10	0GBASE-P, or		
				d T/technical E/editorial G/			Comme	nt ID 109	Page 23 of 25		
OMMEN	IT STATUS: D/dis	spatched A/accepted R/rej	ected RESPO	NSE STATUS: O/open W/w	ritten C/close	d Z/withdrawn			1/15/2020 9:48		

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

	SC 80.1.4	P 48	L15	# <u>1</u> 10	C/ 152	SC 152.1.1	P	58	L12	# <u>112</u>
Nicholl, Ga	ary	Cisco System	S		Nicholl, Ga	iry	Cisc	co Systems		
Comment	Туре Т	Comment Status D			Comment	Туре Т	Comment Statu	s D		
don't v	we need to add a	he description for 100GBASI new decription below 100GE ining (see Table 80-4b). ?	E-R to add DP_D BASE-P to descri	QPSQ modulation, be the new 100GBASE-	used a	cross a chip-to- ed in Clause 15	chip or chip-to-mod	ule interface	e and the 100G	ified in Clause 91 is GBASE-ZR FEC connected 100GBASE-
Suggested	•				21(11)	115.				
of 100	0GBASE-Z just b	ng instruction and add to new pelow the current description					ed in Hawaii to remo ric (and not specific			BASE-ZR in order to
	Response	Response Status W			Suggested	Remedy				
	POSED ACCEPT						ion to remove reference be used for other PH		GBASE-ZR an	nd make the clause
paragi using lanes	raph to 80.1.4 sta the Clause 82 Ph (see Clause 82) a	roposed modifications to the ting "100GBASE-Z represen ysical Coding Sublayer for 1 and a PMD implementing DF Layer devices also use the t	ts a family of Phy 00 Gb/s operatio -DQPSK modula	ysical Layer devices n over multiple PCS ition. Some			Response Status IN PRINCIPLE. nent #16	s W		
FEC o	of Clause 153, or	the FEC of Clause 74."	ransooung and r		C/ 152	SC 152.1.2	P	59	L 36	# 113
CI 80	SC 80.4	P 51	L 49	# 111	Nicholl, Ga	iry	Ciso	co Systems		
				# 111	Comment	Туре Т	Comment Statu	s D		
Nicholl, Ga	,	Cisco System	S		Figure	152-1 makes C	lause 152 specific t	o the 100GI	BASE-ZR FEC	and PMA.
Comment	51	Comment Status D		Bucket	Suggested	Romody				
I aple					SUDDESIED					
	0.1	lated by 802.3ct				e the figure to m				milar to what was down ne clause as necessary.
Suggested Updat simple	dRemedy e editing instructi est way to do this	lated by 802.3ct on to reflect the changes to ⁻ might be to just show the ne way you should be independ	w rows being add	ded (with unchnaged	Update in Figu Proposed I PROP	e the figure to m ire 91-1 in CLau <i>Response</i> OSED ACCEPT	se 91), and update Response Status IN PRINCIPLE.	any other re		milar to what was down le clause as necessary.
Suggested Updat simple rows r	dRemedy e editing instructi est way to do this	on to reflect the changes to might be to just show the ne	w rows being add	ded (with unchnaged	Update in Figu Proposed I PROP	e the figure to m ire 91-1 in CLau Response	se 91), and update Response Status IN PRINCIPLE.	any other re		
Suggested Updat simple rows r Proposed	dRemedy e editing instructi est way to do this now shown). That	on to reflect the changes to might be to just show the ne way you should be independ <i>Response Status</i> W	w rows being add	ded (with unchnaged	Update in Figu Proposed I PROP	e the figure to m ire 91-1 in CLau <i>Response</i> OSED ACCEPT	se 91), and update Response Status IN PRINCIPLE. nent #16	any other re		
Suggested Updat simple rows r Proposed PROP	dRemedy e editing instructi set way to do this now shown). That Response POSED ACCEPT	on to reflect the changes to might be to just show the ne way you should be independ <i>Response Status</i> W IN PRINCIPLE	w rows being add dent from any cha	ded (with unchnaged anges made in 3ct.	Update in Figu Proposed I PROP See re	e the figure to m ire 91-1 in CLau Response OSED ACCEPT sponse to comm SC 152.5.1	se 91), and update Response Statu IN PRINCIPLE. nent #16	any other re	elated text in th	ne clause as necessary.
Suggested Updat simple rows r Proposed PROP Updat	dRemedy e editing instructi est way to do this low shown). That Response POSED ACCEPT e the editing instr	on to reflect the changes to might be to just show the ne way you should be independ <i>Response Status</i> W	w rows being add dent from any cha	ded (with unchnaged anges made in 3ct.	Update in Figu Proposed I PROP See re C/ 152	e the figure to m re 91-1 in CLau <i>Response</i> OSED ACCEPT sponse to comm SC 152.5.1 ary	se 91), and update Response Statu IN PRINCIPLE. nent #16	any other re s W 761 co Systems	elated text in th	ne clause as necessary.
Suggested Updat simple rows r Proposed PROP Updat	dRemedy e editing instructi est way to do this low shown). That Response POSED ACCEPT e the editing instr	on to reflect the changes to might be to just show the ne way you should be independ <i>Response Status</i> W IN PRINCIPLE uctions to reference the cha	w rows being add dent from any cha	ded (with unchnaged anges made in 3ct.	Update in Figu Proposed I PROP See re C/ 152 Nicholl, Ga Comment	e the figure to m re 91-1 in CLau Response OSED ACCEPT sponse to comm SC 152.5.1 rry Type T 152-2 shows a F	se 91), and update Response Status IN PRINCIPLE. nent #16 P Cisc Comment Statu	61 co Systems is D the Inverse	L46	# <u>114</u> <i>bucke</i> ayer. In the spirit of
Suggested Updat simple rows r Proposed PROP Updat	dRemedy e editing instructi est way to do this low shown). That Response POSED ACCEPT e the editing instr	on to reflect the changes to might be to just show the ne way you should be independ <i>Response Status</i> W IN PRINCIPLE uctions to reference the cha	w rows being add dent from any cha	ded (with unchnaged anges made in 3ct.	Update in Figu Proposed I PROP See re C/ 152 Nicholl, Ga Comment Figure keepin Suggested	e the figure to m ire 91-1 in CLau Response OSED ACCEPT sponse to comm SC 152.5.1 ary Type T 152-2 shows a F g the description (Remedy	se 91), and update Response Statu IN PRINCIPLE. nent #16 P Cisc Comment Statu FEC sublayer below n generic I would su	any other re s W 61 co Systems s D the Inverse ggest also i	L46 RS-FEC sublaincluding PMA	# <u>114</u> <i>bucke</i> ayer. In the spirit of

C/ 153	SC 153.3.2.2	.1 P95	L 38	# 115	C/ 154	SC 154.7.3	P110	L 39	# 117	
Nicholl, Ga	ary	Cisco System	s		Nicholl, Gary	,	Cisco Systems	3		
Comment	Туре Е	Comment Status D		bucket	Comment Ty	pe T	Comment Status D			
"in this manner operates at a signaling rate of (255/227) × 24.8832 Gb/s \pm 20 ppm"							atic dispersion in Table 154-10			
SuggestedRemedy						distance of 120km, which is 50% greater than the 80km objective for this PHY. Requiring the PHY to operate over a reach 50% greater than the target objective could add cost and				
	nmend doing the n 153.3.1), so	math and including the aggre	gate signalling r	ate (as was done in			, and compromise the BMP and			
0		227) × 24.8832 Gb/s ±20 ppm	ז"		I would also note that the OIF 400ZR specification has a chromatic dispersion spec of 2400 ps/nm, which is consistent with it's reach objective of 120km.					
to: "signa	ling rate of (255/	227) × 24.8832 Gb/s ±20 ppm	n (~ 27 9525 Gr	u/s)	SuggestedRemedy					
		(page 94, line 49) we use "G		Change the maximum chromatic dispersion in Table 154-10 from 2400 ps/nm to 1600 ps/nm , to be consistent with an 80 km reach objective.						
		st being consistent throughton			Proposed Re	esponse	Response Status W			
		'bit streams" I would recomm	iend using GD/s	5.		SED REJECT				
Proposed		Response Status W					t the Plenary Meeting in Vienna	a, July 2019, V	ienna:	
	POSED ACCEPT				Motion 4		rameter list and corresponding	values in the n	ronosed strawman	
	ment remedy to c final paragraph o	n page 94, replace GBd with	Gb/s (2 occurre	ences)			and 11 of stassar 3ct 02 071			
			•		specifica					
C/ 153	SC 153.3.2.2	.2 P95	L 51	# 116	Y - 24 N - 0					
Nicholl, Ga	ary	Cisco System	S		This motion included a specification for 2400 ps/nm for the black link, for which					
Comment	Туре Е	Comment Status D		bucket	no oppo	sition.				
"The ppm."	signaling rate of	each stream of DQPSK syml	bols is (255/227) × 24.8832 GBd ±20	No evide	nce has beei	n provided that meeting 2400 p	s/nm would be	a problem.	
Suggestee	dRemedy									
sectio	n 153.3.1), so	math and including the aggro	gate signalling r	ate (as was done in						
chang "signa to:		h stream of DQPSK symbols	s is (255/227) ×	24.8832 GBd ±20 ppm"						
"signa	lling rate of of eac 9525 GBd)"	ch stream of DQPSK symbols	s is (255/227) ×	24.8832 GBd ±20 ppm						
Note, time.		ring to QPSK symbols here,	GBd is the corre	ect termiology thisa						
Proposed	Response	Response Status W								
PROF	POSED ACCEPT.									