C/ 45 SC 45.2.1.	186aa.1	P <b>36</b>	L <b>35</b>	# 1	CI 45	SC 45.2.1.	186ab.8	P <b>38</b>	L <b>33</b>	# 4
Bruckman, Leon		Huawei			Bruckman	, Leon		Huawei		
Comment Type <b>T</b>	Commer	nt Status D		bucket	Comment	Туре Т	Comme	ent Status D		bucket
The "IFEC bypass in error indication funct				he bypass of the FEC 1.6.2.				y" bit when set to an be bypass.	a one one indica	tes that the bypass of
SuggestedRemedy					Suggested	dRemedy				
Change: "When set	-				Chanç indica		set to one to i	ndicate that the d	ecoder has this a	bility to bypass error
to: "When set to a or Proposed Response	Response	bles bypass of th e Status W	ne error indication	function."		is bit is set to a tion function."	one to indicate	e that the decoder	has this ability to	o bypass the error
PROPOSED ACCEF	РТ.				Proposed	Response	Respons	se Status W		
C/ 45 SC 45.2.1.	186aa.1	P <b>36</b>	L <b>37</b>	# 2	PROP	POSED ACCE	PT.			
Bruckman, Leon		Huawei			C/ 45	SC 45.2.1.	186ah.2	P <b>41</b>	L <b>40</b>	# 5
Comment Type E	Commer	nt Status D		bucket	Bruckman	, Leon		Huawei		
Text not clear					Comment	Туре Е	Comme	ent Status D		bucket
SuggestedRemedy				if the Inverse RS-FEC	Incons	sistent bracket	ing. In clause	153.2.4.1.1 the v	ariable is indicate	ed as: fas_lock <x></x>
152.5.2.3).", to: "Writes to bit 1.22 not have the ability to				nverse RS-FEC does e PCS layer (see	clause Proposed	es 45.2.1.186a Response	h.3 to 45.2.1. Respons	186ai.12. se S <i>tatus</i> W	for all other 19 la	nes in the following
152.5.2.3)."					PROF	OSED ACCE	PT IN PRINCI	PLE.		
Proposed Response PROPOSED ACCEF	•	e Status W				ge "fas_lock[x] es 45.2.1.186a			.2.1.186ah.1 to 4	5.2.1.186ah.9 and in
C/ 45 SC 45.2.1.	186aa.2	P <b>36</b>	L <b>44</b>	# 3	CI 45	SC 45.2.1.	186aj	P <b>45</b>	L16	# 6
Bruckman, Leon		Huawei			Bruckman	, Leon		Huawei		
Comment Type E	Commer	nt Status D		bucket	Comment	Type <b>TR</b>	Comme	nt Status R		
Text not clear						dentification sl dent on the la		ted from lane loc on status.	k, so the value of	lane mapping is
SuggestedRemedy	hia hit ara iana	rad and raada ra	turn a zara if tha	Inverse DS FFC does	Suggested	dRemedy				
not have the ability to			aum a zero n the	Inverse RS-FEC does	depen	dent on these	bits instead of			e mapping register resented in contribution
to: "Writes to this bit have the ability to by	•		zero if the Invers	e RS-FEC does not	brucki Response	man_3ct_01_0		se Status C		
, , ,	•	e Status W			REJE		Respons			
Proposed Response						-				
Proposed Response PROPOSED ACCEF	•				-					
Proposed Response PROPOSED ACCEF	•				See re	esponse to cor	nment 15.			

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

3/26/2020 10:41:48 AM

Clause 80.1.4 indicates that the claus shown in Table 80-4b SuggestedRemedy Add clause 74 to table 80-4b as optic Proposed Response Response PROPOSED ACCEPT IN PRINCIPL Clause 74 is not relevant and will be so there is no need to add clause 74 Cl 152 SC 152.5.3.4 Bruckman, Leon Comment Type E Comment It is strange that the the bit error ratic estimated by dividing the BIP block error ratio strate why divide it?. I saw the same w SuggestedRemedy Change: "The bit error ratio in the data rec dividing the BIP block errors by a face	otional. se <i>Status</i> <b>W</b> PLE. be removed from 74 to table 80-4 <b>P66</b> Huawei <i>nt Status</i> <b>D</b> atio in the data r	n 80.1.4, see resp b. <i>L</i> <b>38</b> received from the fi	onse to comment 52, # 8	the FEC SuggestedF Change error ind to: "This indicatio Proposed R PROPC Change error ind	Type <b>T</b> EC bypass inc C error indicat Remedy e: "This variab dication.", s variable is s on function." Response DSED ACCEF	Huawei <i>Comment Status</i> <b>D</b> lication ability" bit when set to ion function can be bypass. So le is set to one to indicate that et to one to indicate that the d <i>Response Status</i> <b>W</b> PT IN PRINCIPLE. le is set to one to indicate that	ee text in clause s t the decoder has lecoder has the al	91.6.2. the ability to bypass bility to bypass error
Clause 80.1.4 indicates that the claus shown in Table 80-4b SuggestedRemedy Add clause 74 to table 80-4b as optic Proposed Response Response PROPOSED ACCEPT IN PRINCIPL Clause 74 is not relevant and will be so there is no need to add clause 74 Cl 152 SC 152.5.3.4 Bruckman, Leon Comment Type E Comment It is strange that the the bit error ratic estimated by dividing the BIP block error ratio suggestedRemedy Change: "The bit error ratio in the data rec dividing the BIP block errors by a face	ause 74 FEC is otional. ee <i>Status</i> <b>W</b> PLE. oe removed from 74 to table 80-4 <b>P66</b> Huawei <i>nt Status</i> <b>D</b> atio in the data r	n 80.1.4, see resp b. <i>L</i> <b>38</b> received from the fi	BASE-Z, but it is not onse to comment 52, # 8	The "Fe the FEC SuggestedF Change error ind to: "This indicatio Proposed R PROPC Change error ind	EC bypass inc C error indicat Remedy e: "This variab dication.", s variable is s on function." Response OSED ACCEP e: "This variab	lication ability" bit when set to ion function can be bypass. So le is set to one to indicate that et to one to indicate that the d <i>Response Status</i> <b>W</b> PT IN PRINCIPLE.	ee text in clause s t the decoder has lecoder has the al	91.6.2. the ability to bypass bility to bypass error
shown in Table 80-4b SuggestedRemedy Add clause 74 to table 80-4b as optic Proposed Response Response PROPOSED ACCEPT IN PRINCIPL Clause 74 is not relevant and will be so there is no need to add clause 74 C/ 152 SC 152.5.3.4 Bruckman, Leon Comment Type E Comment It is strange that the the bit error ratic estimated by dividing the BIP block e ratio why divide it?. I saw the same v SuggestedRemedy Change: "The bit error ratio in the data rec dividing the BIP block errors by a face	otional. se <i>Status</i> <b>W</b> PLE. be removed from 74 to table 80-4 <b>P66</b> Huawei <i>nt Status</i> <b>D</b> atio in the data r	n 80.1.4, see resp b. <i>L</i> <b>38</b> received from the fi	onse to comment 52, # 8	the FEC SuggestedF Change error ind to: "This indicatio Proposed R PROPC Change error ind	C error indicat Remedy e: "This variab dication.", s variable is s on function." Response DSED ACCEP e: "This variab	ion function can be bypass. Si le is set to one to indicate that et to one to indicate that the d <i>Response Status</i> <b>W</b> PT IN PRINCIPLE.	ee text in clause s t the decoder has lecoder has the al	91.6.2. the ability to bypass bility to bypass error
Add clause 74 to table 80-4b as optic Proposed Response Response PROPOSED ACCEPT IN PRINCIPL Clause 74 is not relevant and will be so there is no need to add clause 74 Cl 152 SC 152.5.3.4 Bruckman, Leon Comment Type E Comment It is strange that the the bit error ratio estimated by dividing the BIP block of ratio why divide it?. I saw the same of SuggestedRemedy Change: "The bit error ratio in the data dividing the BIP block errors by a face	e Status W PLE. De removed from 74 to table 80-4 P66 Huawei Int Status D atio in the data r	b. <i>L</i> 38 received from the fi	# 8	Change error ind to: "This indicatio <i>Proposed R</i> PROPC Change error ind	e: "This variab dication.", s variable is s on function." <i>Response</i> DSED ACCEP e: "This variab	et to one to indicate that the d <i>Response Status</i> <b>W</b> PT IN PRINCIPLE.	lecoder has the al	bility to bypass error
Proposed Response       Response         PROPOSED ACCEPT IN PRINCIPL         Clause 74 is not relevant and will be         so there is no need to add clause 74         Cl 152       SC 152.5.3.4         Bruckman, Leon         Comment Type       E         SuggestedRemedy         Change: "The bit error ratio in the data rec         dividing the BIP block errors by a face	e Status W PLE. De removed from 74 to table 80-4 P66 Huawei Int Status D atio in the data r	b. <i>L</i> 38 received from the fi	# 8	error ind to: "This indicatio <i>Proposed R</i> PROPC Change error ind	dication.", s variable is s on function." <i>Response</i> DSED ACCEP e: "This variab	et to one to indicate that the d <i>Response Status</i> <b>W</b> PT IN PRINCIPLE.	lecoder has the al	bility to bypass error
PROPOSED ACCEPT IN PRINCIPL Clause 74 is not relevant and will be so there is no need to add clause 74 Cl 152 SC 152.5.3.4 Bruckman, Leon Comment Type E Comment It is strange that the the bit error ratic estimated by dividing the BIP block er ratio why divide it?. I saw the same v SuggestedRemedy Change: "The bit error ratio in the dat dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a face	PLE. be removed from 74 to table 80-4 P <b>66</b> Huawei <i>nt Status</i> <b>D</b> atio in the data r	b. <i>L</i> 38 received from the fi	# 8	to: "This indicatio <i>Proposed R</i> PROPC Change error ind	s variable is s on function." <i>Response</i> DSED ACCEP e: "This variab	Response Status W		
Clause 74 is not relevant and will be so there is no need to add clause 74 74 152 SC 152.5.3.4 Bruckman, Leon Comment Type E Comment It is strange that the the bit error ratio estimated by dividing the BIP block of ratio why divide it?. I saw the same w SuggestedRemedy Change: "The bit error ratio in the dat dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fac	be removed from 74 to table 80-4 P <b>66</b> Huawei <i>nt Status</i> <b>D</b> atio in the data r	b. <i>L</i> 38 received from the fi	# 8	indicatio Proposed R PROPC Change error ind	on function." Response DSED ACCEP e: "This variab	Response Status W		
so there is no need to add clause 74 Cl 152 SC 152.5.3.4 Bruckman, Leon Comment Type E Comment It is strange that the the bit error ratic estimated by dividing the BIP block error ratio why divide it?. I saw the same v SuggestedRemedy Change: "The bit error ratio in the data dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a face	74 to table 80-4 <b>P66</b> Huawei <i>nt Status</i> <b>D</b> atio in the data r	b. <i>L</i> 38 received from the fi	# 8	PROPC Change error inc	SED ACCEP : "This variab	T IN PRINCIPLE.	t the decoder has	the ability to bypass
Cl 152       SC 152.5.3.4         Bruckman, Leon         Comment Type       E       Comment         It is strange that the the bit error ratio estimated by dividing the BIP block eratio why divide it?. I saw the same with the same withe same withe same withe same with the same with the same with the	P <b>66</b> Huawei <i>nt Status</i> <b>D</b> atio in the data r	L38		Change error inc	: "This variab		t the decoder has	the ability to bypass
Bruckman, Leon Comment Type E Comment It is strange that the the bit error ratio estimated by dividing the BIP block er ratio why divide it?. I saw the same w SuggestedRemedy Change: "The bit error ratio in the dat dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fac	Huawei <i>nt Status</i> <b>D</b> atio in the data r	eceived from the f		error inc		le is set to one to indicate that	t the decoder has	the ability to bypass
Comment Type E Comment It is strange that the the bit error ratic estimated by dividing the BIP block erratio why divide it?. I saw the same w SuggestedRemedy Change: "The bit error ratio in the dat dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fact	<i>nt Status</i> <b>D</b> atio in the data r		for and PCS can be		dication.,			
It is strange that the the bit error ratio estimated by dividing the BIP block of ratio why divide it?. I saw the same v <i>uggestedRemedy</i> Change: "The bit error ratio in the dat dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fac	atio in the data r		for and PCS can be	to: "This				
estimated by dividing the BIP block eratio why divide it?. I saw the same wuggestedRemedy Change: "The bit error ratio in the dadividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fac			or and DCS can be			et to one to indicate that the d	lecoder has the al	bility to bypass the
ratio why divide it?. I saw the same war auggestedRemedy Change: "The bit error ratio in the da dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fac	k error ratio bv ۹			error inc	dication functi	on."		
Change: "The bit error ratio in the data dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fac				C/ 152	SC 152.6.7	P <b>75</b>	L <b>26</b>	# 10
Change: "The bit error ratio in the da dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fac		002.0 010000, 0	at it sounds strange.	Bruckman,	Leon	Huawei		
dividing the BIP block error ratio by a to: "The bit error ratio in the data rec dividing the BIP block errors by a fac	data received fr	om the far-end PC	S can be estimated by	Comment T		Comment Status D		bucke
dividing the BIP block errors by a fac				Missing	word			
dividing the BIP block errors by a fac	eceived from the	e far-end PCS can	be estimated by	SuggestedF	Remedy			
			be estimated by	Change	e: "This variab	le assigned by the FEC alignn	nent state diagrar	n shown in Figure 91-9
Proposed Response Response	se Status W			(see 15	2.5.4.3).",			
PROPOSED REJECT.				to: "This	s variable is a	ssigned by the FEC alignmen	t state diagram sh	nown in Figure 91-9
This is nearly identical text to the fina					2.5.4.3)."	<b>3 9 1</b>	5	0
derived, and the suggested remedy i generated by the far end PCS, and t	d the intervening	wrong. The BIP va a transcode/trans-o	decode steps should	Proposed R	Response	Response Status W		
restore the sequence of bits over wh	which they are o	alculated in the ab	sence of errors. The	PROPC	SED ACCEP			
calculation converts a block error rat an equivalent bit-error ratio (the estir								
unit of time). You can't simply divide	timate of the n	ock errors by a fixe	ed value to get a BER,					
not knowing whether that block error	timate of the nu de a count of blo							

				·			
C/ 153 SC 153.2.1	P <b>82</b>	L <b>12</b>	# <u>1</u> 1	C/ 153 SC 153.2.	3.2.4 P87	L <b>3</b>	# 14
Bruckman, Leon	Huawei			Bruckman, Leon	Huawe	ei	
Comment Type T C	omment Status R			Comment Type E	Comment Status	D	
fec_align_status is a noisy ir	ndication			Text no clear			
SuggestedRemedy				SuggestedRemedy			
Replace "fec_align_status" , remedy are presented in cor			sentence. Details of	Change: "so this nu	mber are transmitted",		
Response Re	sponse Status <b>C</b>			to: "so this amount	of octets are transmitted"		
REJECT.				Proposed Response	Response Status	w	
	-			PROPOSED ACCE			
See response to comment 1	5.			"so 189x80 octets a	o this number are transm re transmitted"	litted", to	
C/ 153 SC 153.2.3.2.4	P <b>85</b>	L16	# 12				
Bruckman, Leon	Huawei			C/ 153 SC 153.2.	3.3.1 <i>P</i> 88	5 <b>L41</b>	# 15
Comment Type E C	omment Status D			Bruckman, Leon	Huawe	ei	
GMP requires that carrier sig				Comment Type TR	Comment Status		
the case for 100GBASE-ZR payload rate.	of course, but it will be	beneficial to indic	cate the carrier signal	Separate lane ident diagram.	ification from alignment,	add reference to the la	ane identification state
SuggestedRemedy				SuggestedRemedy			
At the end of sentence: "The (255/227) × (3800 / 4080) ×				Details of remedy ir bruckman_3ct_01_0	ncluding propossed text fo 0320.	or this clause is prese	nted in contribution
Proposed Response Re	sponse Status W			Response	Response Status	С	
PROPOSED ACCEPT.				REJECT.			
C/ 153 SC 153.2.3.2.4	P85	L <b>50</b>	# 13		ally complete with regard		
Bruckman, Leon	Huawei				vertheless, there could b nd lane identification. Co		
Comment Type E C	omment Status D		bucket	0	stent proposal to be cons		
Text needs to be fixed							
SuggestedRemedy							
Change: "as the ratios of t	he two clock rates do n	ot provide a case	where",				
to: "as the ratio of the two	clock rates does not pr	ovide a case whe	re."				
Proposed Response Re	sponse Status W						
PROPOSED ACCEPT.							

C/ 153 SC 153.2.3.5 P89 L34 # 16	C/ 153 SC 153.2.4.1.1	P90 L12 # 18
Bruckman, Leon Huawei	Bruckman, Leon H	uawei
Comment Type T Comment Status D	Comment Type TR Comment Sta	atus R
Since OTN devices may be used to implement the 100GBASE-ZR, and these devices support Cm values other than 188 and 189, there may be failure cases in which the GMP	New variables are needed according to identification separation from the alignment of the second s	the state diagrams propossed for the lane ent process.
receiver receives values that are different from the ones in Table 153-1. What should the GMP demmaper do in this case ? Also what is expected the GMP demapper to do if	SuggestedRemedy	
DI=II=1 ?		nd lane_id_detected <x>. Details of remedy</x>
On the other hand, there may be implementations based on OTN receivers that will be able	including propossed text for these varial	oles is presented in contribution
to handle the situation, but there may also be 100GBASE-ZR targeted reduced functionality implementations that only accept the values specified in Table 153-1.	bruckman_3ct_01_0320.	
	Response Response Sta	tus C
Add the following contenses "If a C12:C0 value other then 100 or 100 or DI=1 and II=1 is	REJECT.	
Add the following sentence: "If a C13:C0 value other than 188 or 189, or DI=1 and II=1 is received, the GMP demapper behavior is undefined."	See response to comment 15.	
Proposed Response Response Status W	C/ 153 SC 153.2.4.1.1	P90 L12 # 19
PROPOSED ACCEPT IN PRINCIPLE. Implement the proposed resolution.	Bruckman, Leon H	uawei
	Comment Type TR Comment Sta	atus R
There is no harm in adding this sentence, although while the GMP mechanism is generic,		the update of the deskew state diagram propossed
there is no standardized mapping of a client other than 100GBASE-R directly into OPU4 via GMP. So any OTN kit that implements GMP mapping of a client into OPU4 should only be	in bruckman_3ct_01_0320.	
generating the indicated values)	SuggestedRemedy	
C/ 153 SC 153.2.3.3.6 P89 L43 # 17		alignment_valid and fec_enable_deskew. Details o
	remedy including propossed text for the bruckman_3ct_01_0320.	se variables is presented in contribution
Bruckman, Leon Huawei	Response Response Sta	tue C
Comment Type TR Comment Status R	REJECT.	
There should be an indication to the upper layer if block lock is not achieved, but according to clause 153.2.1 the SIGNAL OK parameter of the FEC:IS SIGNAL.indication depends	RESECT.	
only on the FEC alignment indication.	See response to comment 15.	
SuggestedRemedy	C/ 153 SC 153.2.4.1.1	P90 L12 # 20
Add the clause 82.2.19.2.2 rx_blobk_lock indication to the SIGNAL_OK parameter defined	Bruckman, Leon H	uawei
in 153.2.1. Details of remedy including propossed text for this clause is presented in contribution bruckman_3ct_01_0320.	Comment Type TR Comment Sta	atus R
	,,	L OK indication state diagram propossed in
Response Response Status C	bruckman_3ct_01_0320.	<b>3 1 1</b>
REJECT.	SuggestedRemedy	
See response to comment 15.	Add the following variable: fec_align_ind for this variable is presented in contribution	lication. Details of remedy including propossed text ion bruckman 3ct 01 0320.
	Response Response Sta	tus <b>C</b>
	REJECT.	_
	See response to comment 15.	
IVDE: TP/tooknical required EP/aditarial required CP/ganaral required T/tooknical E/aditarial C	anaral	Commont ID 20
TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/v		Comment ID 20 Page 4 of 24 3/26/2020 10

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

	P <b>91</b>	L <b>27</b>	# <u>2</u> 7	C/ 153 SC 153.2.4.4	P <b>91</b>	L35	# 29
Bruckman, Leon	Huawei			Bruckman, Leon	Huawei		
comment Type TR Commen	t Status R			Comment Type TR	Comment Status R		
New counters are needed for the la bruckman_3ct_01_0320. uggestedRemedy	ne identification	state diagram pro	possed in	fec_align_status. fec_align_status is false i	eter of the FEC:IS_SIGNAL f any lane looses alignmen rding to the text in this case	it, but this happe	ns frequently due to
Add the following counters: fecl_ok propossed text for these counters is				SuggestedRemedy		<b>, ,</b> -	
Response Response REJECT.	e Status C			Add a stability state diagr the state diagram are pre	am for the fec_align_status sented in contribution bruc	s variable. Detail kman_3ct_01_03	s of remedy including 320
REJECT.				Response	Response Status C		
See response to comment 15.				REJECT.			
C/ 153 SC 153.2.4.3	P <b>91</b>	L <b>27</b>	# 28	See response to commen	nt 15.		
Bruckman, Leon	Huawei			C/ 153 SC 153.2.4.4	P <b>92</b>	L <b>47</b>	# 30
	t Status R		a al lim	Bruckman, Leon	Huawei		
New counters are needed for the Sl bruckman_3ct_01_0320.	IGNAL OK State	diagram proposs	ed in	Comment Type TR	Comment Status R		
uggestedRemedy				New state diagrams are r process.	needed to separate the land	e identification fro	om the alignment
Add the following counters: align_ol including propossed text for these of				SuggestedRemedy			
bruckman_3ct_01_0320.				New state diagrams are p	presented in contrbution bro	uckman_3ct_01_	_0320
Pesponse Response	e Status C			Response	Response Status C		
REJECT.				REJECT.			
See response to comment 15.				See response to commen	nt 15.		
				C/ 153 SC 153.2.4.4	P <b>93</b>	L <b>3</b>	# 31
				Bruckman, Leon	Huawei		
					Comment Status <b>D</b> C-FEC deskew state diagr ble_deskew is always false		tus and all_fas_valid
				 SuggestedRemedy			
				SuggestedRemedy	ew state diagram is presen		n
				SuggestedRemedy A updated SC-FEC desk	ew state diagram is presen Response Status W		n
				SuggestedRemedy A updated SC-FEC desk bruckman_3ct_01_0321	Response Status W		n

# 32	C/ 153 SC 153	3.2.5.3	P <b>94</b>	L1	# <u>3</u> 4
	Bruckman, Leon		Huawei		
	Comment Type T	R Commen	t Status R		
				re needed for the	lane identification
	·	ine alignment proce	355.		
and disables the		identification stat	is 1 and 2 rogist	tors as datailed i	n contribution
isabled."					reontribution
	Response	Response	Status C		
	REJECT.				
BER).	See response to	comment 15			
the enabling and	C/ 153 SC 153	3.2.5.3	P <b>94</b>	L <b>8</b>	# 35
ew is enabled.					
la da da como da la cu	21				
ie_deskew<=laise	Ū.	atus shall be driven	by the stable fe	ec alignment indic	cation
" [00]	,			- Barris da alla - Ala -	
# 33					(used in the SIGNAL
bucket	Response	Response	Status C		
Bucket	REJECT.				
	See response to	comment 15.			
	CI 153 SC 153	2.5	P <b>94</b>	/ 10	# 36
	,	R Commen			
			ed from lane loc	k, add the lane id	entification status.
	SuggestedRemedy				
		ntification row to Ta tribution bruckman		the second row.	Details of remedy are
	•				
	Response	Response	Status C		
	Response REJECT.	Response	Status C		
	and disables the n_status is false. It isabled." 11.5.4.2.1, without unication BER). the enabling and tew is enabled. le_deskew<=false" # 33 bucket	Bruckman, Leon Comment Type T Lane identification separation from from from from from from from from	Bruckman, Leon Comment Type TR Comment Lane identification validity MDIO co separation from the alignment process SuggestedRemedy Add SC-FEC line identification statu bruckman_3ct_01_0320 Response Response REJECT. See response to comment 15. C/ 153 SC 153.2.5.3 Bruckman, Leon Comment Type TR Comment SuggestedRemedy Replace fec_align_status shall be driven SuggestedRemedy Replace fec_align_status with the n OK stability state diagram, see bruck REJECT. See response to comment 15. C/ 153 SC 153.2.5 Bruckman, Leon Comment Type TR Comment SuggestedRemedy Replace fec_align_status with the n OK stability state diagram, see bruck REJECT. See response to comment 15. C/ 153 SC 153.2.5 Bruckman, Leon Comment Type TR Comment Lane identification shall be separated SuggestedRemedy Add the lane identification row to Ta	and disables the n_status is false. It isabled."       Bruckman, Leon       Huawei         n_status is false. It isabled."       SuggestedRemedy       Add SC-FEC line identification status 1 and 2 regis bruckman_3ct_01_0320         n_status is nabled.       Response       Response Status       C         n_tication       Bruckman, Leon       Huawei         off the enabling and tew is enabled.       C/ 153       SC 153.2.5.3       P94         Bruckman, Leon       Huawei       Comment Type       TR       Comment Status 1         with e enabling and tew is enabled.       Ee_deskew<=false"	Bruckman, Leon Huawei Comment Type TR Comment Status R Lane identification validity MDIO control valiables are needed for the separation from the alignment process. SuggestedRemedy Add SC-FEC line identification status 1 and 2 registers, as detailed i bruckman_3ct_01_0320 Response Response Status C REJECT. See response to comment 15. C/ 153 SC 153.2.5.3 P94 L8 Bruckman, Leon Huawei Comment Type TR Comment Status R SC-FEC align status shall be driven by the stable fec alignment indic SuggestedRemedy Replace fec_align_status with the new variable fec_align_indication OK stability state diagram, see bruckman_3ct_01_0320 Response Response Status C REJECT. See response to comment 15. C/ 153 SC 153.2.5 P94 L10 Bruckman, Leon Huawei Comment Type TR Comment Status R Sc-FEC align_status with the new variable fec_align_indication OK stability state diagram, see bruckman_3ct_01_0320 Response Response Status C REJECT. See response to comment 15. C/ 153 SC 153.2.5 P94 L10 Bruckman, Leon Huawei Comment Type TR Comment Status R Lane identification shall be separated from lane lock, add the lane identification row to Table 153-2 after the second row.

	F0 0 4	Dod	1.40	# 07		SC 454 5 0	D404	1.44	# 00
C/ 153 SC 1	53.3.1	P <b>94</b>	L <b>48</b>	# <u>3</u> 7	C/ 154	SC 154.5.2	P104	L <b>41</b>	# 39
Bruckman, Leon		Huawei			Bruckman,	, Leon	Huawei		
Comment Type	E	Comment Status D			Comment	Туре Е	Comment Status D		
		ends 20 parallel bit streams t		E-ZR PMA sublayer, it	Text no	ot clear			
	•	I bit streams from the PMA s	sublayer.		Suggested	Remedy			
SuggestedRemedy					Chang	e: "The PMD Tr	ansmit function shall convert	the two DQPSK	symbol streams
		ce: "SC-FEC continuously se					service interface messages		
ZR PMA sublay	yer conti	nuously sends 20 parallel bit	streams to the S	SC-FEC sublayer."			1.request into two DQPSK op	tical signals on o	orthogonal polarization
Proposed Respons	е	Response Status W			and de	elivered to the M	DI,",		
sends 20 paral	lel bit str	aragraph "Likewise the 100G eams to the SC-FEC sublaye o/s ±20 ppm (~5.59049868 G	er, each at a nor		by the PMD:I	PMD service in	it function shall convert the tw terface messages PMD:IS_U 1.request into two DQPSK op e MDI,"	NITDATA_0.requ	uest to
C/ 153 SC 1	53.3.2.2.	2 P95	L <b>50</b>	# 38	Proposed I	,	Response Status W		
Bruckman, Leon		Huawei							
Comment Type	Е	Comment Status D		bucket	See re	solution to com	ment #67		
Text not clear					C/ 154	SC 154.7.1	P109	L <b>49</b>	# 40
SuggestedRemedy					Bruckman,	, Leon	Huawei		
Change: "The s	selection	of the two lanes of the four-l	ane interface is	used to form each	Comment	Туре Е	Comment Status D		
•		ools is arbitrary",			"Minim	num channel spa	acing" is not defined.		
to: "The colocti	on of the	two lanes of the four-lane in	torface used to t	form each stream of	Suggested	Remedy	-		
DQPSK symbo					00		acing" is defined in ITU-T G.6	71 clause 3.2 3	17 as: "The centre-to
Proposed Respons		Response Status W					equency or wavelength betwee		
PROPOSED A		Nesponse Status W					ngs are based on the grid fou		94.1]. CWDM chann
PROPUSED A	CUEPT.				spacin	igs are based or	n the grid found in [ITU-T G.6	94.2].".	

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

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. See resolution to comment #84

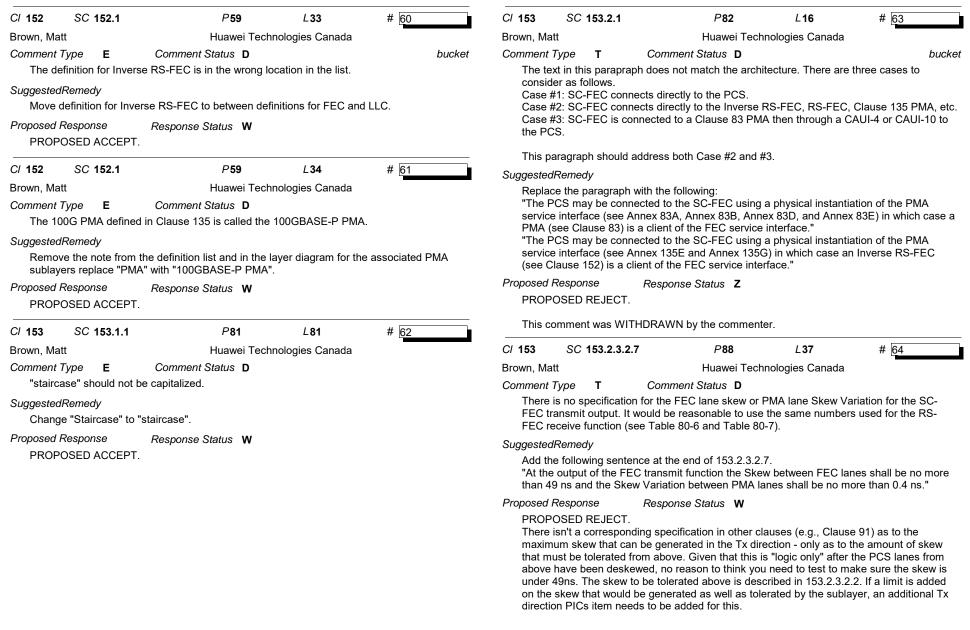
C/ 80 SC 80.1.5	5 P 50	L <b>3</b>	# 41	CI 80 S	SC 80.1	P <b>49</b>	L <b>12</b>	# 44
rowbridge, Steve	Nokia			Maguire, Valer	ie	The Siemon	Company	
Comment Type ER Editor's note is inco	Comment Status D		bucket	Comment Type Missing ox	e <b>E</b> ford comma.	Comment Status D		bucke
SuggestedRemedy				SuggestedRen	nedy			
Change "Insert Tab 80-4a as follows:"	le80–4 after Table 80-4a as follo	ows:" to "Insert T	able80–4b after Table			R1 and in Clause154: with, e change mark to include th		R1, and in Clause154"
Proposed Response	Response Status W			Proposed Res	ponse	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
PROPOSED ACCE	PT IN PRINCIPLE.			PROPOSE	ED ACCEPT.			
Change "Insert Tab 80–4a as follows:"	le 80–4 after Table 80–4a as fo	llows: "Insert Tab	le 80–4b after Table	C/ 80 S	SC 80.5	P <b>55</b>	L <b>1</b>	# 45
60–48 as 10110ws.				Maguire, Valer	ie	The Siemon	Company	
80 SC 80.2.4	P <b>51</b>	L <b>5</b>	# 42	Comment Type	e E	Comment Status D		bucke
rowbridge, Steve	Nokia					ation needs to be revisited,	input requested	" be formatted as an
comment Type E	Comment Status D		bucket	Editor's No				
				SuggestedRen	nedv			
The first sentence is	s wrong given the additions in th	ne rest of the para	agraph.					
uggestedRemedy		ne rest of the para	agraph.	Format, "s	kew variation	needs to be revisited, input	t requested" as a	an Editor's Note.
SuggestedRemedy Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specif	paragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are ies a PMA that may be used on	R PMAs that may e only applicable ly in a 100GBASI	be used with any PHY to specific PHY types: E-KP4 PHY.	Format, "s Proposed Res, PROPOSE	kew variation	Response Status W N PRINCIPLE.	t requested" as a	an Editor's Note.
CuggestedRemedy Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specif b) Clause 135 spec	paragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are	R PMAs that may e only applicable ly in a 100GBASI o other 100GBAS	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types.	Format, "s Proposed Res PROPOSE See respo	kew variation ponse ED ACCEPT I	Response Status W N PRINCIPLE.	t requested" as a	an Editor's Note. # 46
uggestedRemedy Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specif b) Clause 135 spec c) Clause 153 spec	paragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used ir	R PMAs that may e only applicable ly in a 100GBASI o other 100GBAS	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types.	Format, "s Proposed Res PROPOSE See respo	kew variation ponse ED ACCEPT I nse to comme SC <b>154.5.4</b>	Response Status W N PRINCIPLE. ent 58. P106	L9	
CuggestedRemedy Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specif b) Clause 135 spec c) Clause 153 spec	paragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used ir ifies a PMA that is used in the 1 Response Status W	R PMAs that may e only applicable ly in a 100GBASI o other 100GBAS	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types.	Format, "s Proposed Res, PROPOSE See respo C/ 154	kew variation ponse ED ACCEPT I nse to comme SC <b>154.5.4</b> ie	Response Status W N PRINCIPLE. ent 58.	L9	
uggestedRemedy Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specif b) Clause 135 spec c) Clause 153 spec roposed Response PROPOSED ACCE	baragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used ir ifies a PMA that is used in the 1 <i>Response Status</i> <b>W</b> EPT IN PRINCIPLE.	R PMAs that may e only applicable ly in a 100GBASI other 100GBAS 00GBASE-ZR PI	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY.	Format, "s Proposed Res PROPOSE See respo C/ 154 S Maguire, Valer Comment Type	kew variation ponse ED ACCEPT I nse to comme SC 154.5.4 ie e E	Response Status W N PRINCIPLE. ent 58. P106 The Siemon	L <b>9</b> Company	# <u>46</u> Bucke
uggestedRemedy Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specif b) Clause 135 spec c) Clause 153 spec roposed Response PROPOSED ACCE Implement the sugg	baragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used ir ifies a PMA that is used in the 1 <i>Response Status</i> <b>W</b> PT IN PRINCIPLE. gested remedy with editoral licer	R PMAs that may e only applicable ly in a 100GBASI other 100GBAS 00GBASE-ZR PI	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY.	Format, "s Proposed Res PROPOSE See respo C/ 154 S Maguire, Valer Comment Type	kew variation ponse ED ACCEPT I nse to comme SC 154.5.4 ie e E ompliant 1000	Response Status W N PRINCIPLE. ent 58. P106 The Siemon Comment Status D	L <b>9</b> Company	# <u>46</u> Bucke
LuggestedRemedy Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specif b) Clause 135 spec c) Clause 153 spec Proposed Response PROPOSED ACCE Implement the sugg	baragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used ir ifies a PMA that is used in the 1 <i>Response Status</i> <b>W</b> EPT IN PRINCIPLE.	R PMAs that may e only applicable ly in a 100GBASI other 100GBAS 00GBASE-ZR PI	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY.	Format, "s Froposed Res, PROPOSE See respo C/ 154 S Maguire, Valer Comment Type Should "(c SuggestedRet	kew variation ponse ED ACCEPT I nse to comme SC 154.5.4 ie e E ompliant 1000 nedy	Response Status W N PRINCIPLE. ent 58. P106 The Siemon Comment Status D	L <b>9</b> Company e line as "AND"?	# <u>46</u> Bucke
SuggestedRemedy         Change the entire p         Clause 83 specifies         type of the correspond         a) Clause 94 specifies         b) Clause 135 spec         c) Clause 153 spec         Proposed Response         PROPOSED ACCE         Implement the sugg         C/ 152       SC 152.7	baragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used ir ifies a PMA that is used in the 1 <i>Response Status</i> <b>W</b> PT IN PRINCIPLE. gested remedy with editoral licer	R PMAs that may e only applicable ly in a 100GBASI other 100GBAS 00GBASE-ZR PI	be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY.	Format, "s Froposed Res, PROPOSE See respo C/ 154 S Maguire, Valer Comment Type Should "(c SuggestedRet	kew variation ponse ED ACCEPT I nse to comme SC 154.5.4 ie e E ompliant 1000 nedy xtraneous car	Response Status W N PRINCIPLE. ent 58. P106 The Siemon Comment Status D GBASE-R)]" be on the same	L <b>9</b> Company e line as "AND"?	# <u>46</u> Bucke
SuggestedRemedy         Change the entire p         Clause 83 specifies         type of the corresponent         a) Clause 94 specifies         b) Clause 135 spector         c) Clause 135 spector         c) Clause 135 spector         c) Clause 153 spector         PROPOSED ACCE         Implement the suggest         C/       152         SC       152.7         rowbridge, Steve         Comment Type       ER	paragraph to: 40GBASE-R and 100GBASE-F onding rate. Additional PMAs are ies a PMA that may be used or ifies a PMA that may be used in ifies a PMA that is used in the 1 <i>Response Status</i> <b>W</b> EPT IN PRINCIPLE. gested remedy with editoral licer P77	R PMAs that may e only applicable ly in a 100GBASI other 100GBAS 00GBASE-ZR PI nse to ensure pro	to be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY. per formatting.	Format, "s Format, "s Proposed Res, PROPOSE See respo Cl <b>154</b> S Maguire, Valer Comment Type Should "(c SuggestedRen Remove e Proposed Res,	kew variation ponse ED ACCEPT I nse to comme SC 154.5.4 ie e E ompliant 1000 nedy xtraneous car	Response Status W N PRINCIPLE. ent 58. P106 The Siemon <i>Comment Status</i> D GBASE-R)]" be on the same riage return or correct as ne	L <b>9</b> Company e line as "AND"?	# <u>46</u> Bucke
Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specifies b) Clause 135 spec c) Clause 135 spec c) Clause 153 spec PROPOSED ACCE Implement the sugg cl 152 SC 152.7 rowbridge, Steve Comment Type ER Need to replace ves clause number.	paragraph to: 40GBASE-R and 100GBASE-F bonding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used in ifies a PMA that is used in the 1 <i>Response Status</i> W PTT IN PRINCIPLE. gested remedy with editoral licer P77 Nokia <i>Comment Status</i> D	R PMAs that may e only applicable ly in a 100GBASI other 100GBAS 00GBASE-ZR PI nse to ensure pro	to be used with any PHY to specific PHY types: E-KP4 PHY. E-P PHY types. HY. per formatting.	Format, "s Format, "s Proposed Res, PROPOSE See respo Cl <b>154</b> S Maguire, Valer Comment Type Should "(c SuggestedRen Remove e Proposed Res,	kew variation ponse ED ACCEPT I nse to comme SC <b>154.5.4</b> rie e <b>E</b> ompliant 1000 nedy xtraneous car ponse	Response Status W N PRINCIPLE. ent 58. P106 The Siemon <i>Comment Status</i> D GBASE-R)]" be on the same riage return or correct as ne	L <b>9</b> Company e line as "AND"?	# <u>46</u> Bucke
SuggestedRemedy Change the entire p Clause 83 specifies type of the correspo a) Clause 135 spec c) Clause 135 spec c) Clause 153 spec Proposed Response PROPOSED ACCE Implement the sugg c/ 152 SC 152.7 rowbridge, Steve Comment Type ER Need to replace ves clause number. SuggestedRemedy	paragraph to: 40GBASE-R and 100GBASE-F bonding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used in ifies a PMA that is used in the 1 <i>Response Status</i> W PTT IN PRINCIPLE. gested remedy with editoral licer P77 Nokia <i>Comment Status</i> D	R PMAs that may e only applicable ly in a 100GBASI other 100GBAS 00GBASE-ZR PI nse to ensure pro	to specific PHY types: E-KP4 PHY. E-P PHY types. HY. per formatting. # 43	Format, "s Format, "s Proposed Res, PROPOSE See respo Cl <b>154</b> S Maguire, Valer Comment Type Should "(c SuggestedRen Remove e Proposed Res,	kew variation ponse ED ACCEPT I nse to comme SC <b>154.5.4</b> rie e <b>E</b> ompliant 1000 nedy xtraneous car ponse	Response Status W N PRINCIPLE. ent 58. P106 The Siemon <i>Comment Status</i> D GBASE-R)]" be on the same riage return or correct as ne	L <b>9</b> Company e line as "AND"?	# <u>46</u> Bucke
Change the entire p Clause 83 specifies type of the correspo a) Clause 94 specifies b) Clause 135 spec c) Clause 135 spec c) Clause 153 spec PROPOSED ACCE Implement the sugg cl 152 SC 152.7 rowbridge, Steve comment Type ER Need to replace ves clause number. SuggestedRemedy Change "Clause 20	paragraph to: 40GBASE-R and 100GBASE-F ponding rate. Additional PMAs are ies a PMA that may be used on ifies a PMA that may be used in ifies a PMA that is used in the 1 <i>Response Status</i> <b>W</b> EPT IN PRINCIPLE. gested remedy with editoral licer <i>P</i> 77 Nokia <i>Comment Status</i> <b>D</b> stigial "Clause 200" from the Fra	R PMAs that may e only applicable ly in a 100GBASI other 100GBAS 00GBASE-ZR PI nse to ensure pro	to specific PHY types: E-KP4 PHY. E-P PHY types. HY. per formatting. # 43	Format, "s Format, "s Proposed Res, PROPOSE See respo Cl <b>154</b> S Maguire, Valer Comment Type Should "(c SuggestedRen Remove e Proposed Res,	kew variation ponse ED ACCEPT I nse to comme SC <b>154.5.4</b> rie e <b>E</b> ompliant 1000 nedy xtraneous car ponse	Response Status W N PRINCIPLE. ent 58. P106 The Siemon <i>Comment Status</i> D GBASE-R)]" be on the same riage return or correct as ne	L <b>9</b> Company e line as "AND"?	# <u>46</u> Bucke

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

Cl <b>45</b>	SC 45.2.1	P <b>24</b>	L <b>8</b>	# 47		CI 80	SC 80.1.3	P <b>49</b>	L16	# 51
Maguire, V	alerie	The Siemon C	Company			Brown, Ma	itt	Huawei Tec	nnologies Canada	3
Comment 7 802.3c	<i>Type</i> <b>E</b> g has published.	Comment Status D			bucket	<i>Comment</i> this is	51	Comment Status <b>D</b> ble amendment instruction		bucke
S <i>ugg</i> ested Replac		" with, "802.3cg-2019"					je instruction to	"Replace figure 80-1 with the		
Proposed I PROP	Response OSED ACCEPT.	Response Status W				Alterna	ately, change ins	d make the necessary chang struction to the following: le the list of medium types a		
CI <b>45</b>	SC 45.2.1.186	P <b>36</b>	L <b>9</b>	# 48				GBASE-P, or 100GBASE-Z		ike-out and underline
Maguire, V	alerie	The Siemon C	Company			Proposed	Response	Response Status W		
Comment 7 802.3c	<i>Type</i> <b>E</b> g has published.	Comment Status D			bucket				0.1. change the li	ict of modium turco
Suggested	Remedy						CGMII as follow	and replace with "In Figure 8 /s:	0-1, change the n	ist of medium types
•		" with, "802.3cg-2019"				"100G	BASE-R, or 100	GBASE-P, or 100GBASE-Z	" with proper stril	ke-out and underline.
Proposed I PROP	Response OSED ACCEPT.	Response Status W				C/ 80	SC 80.1.4	P <b>49</b>	L <b>25</b>	# 52
C/ 125	SC FM	P1	L <b>26</b>	# 49		Brown, Ma			nnologies Canada	
		-		π 43		Comment		Comment Status D		bucke
Brown, Mat Comment T	Туре Е	Comment Status D	nologies Canada		bucket	transc	oding as this on	not relevant and for Clause e of many subfunctions with		5
spelling	g					Suggested	-			
Suggested Chang	<i>Remedy</i> e "EEE" to "IEEE'	n				Chang "Some Clause	9 100GBASE-Z I	Physical Layer devices also	use the FEC of C	lause 91 or the FEC of
Proposed I PROP	Response OSED ACCEPT.	Response Status W				Proposed PROP	Response OSED ACCEPT	Response Status W		
C/ 1	SC 1.4	P <b>22</b>	L <b>27</b>	# 50		C/ 80	SC 80.2.2	P <b>50</b>	L <b>34</b>	# 53
Brown, Mat	tt	Huawei Techr	nologies Canada			Brown, Ma	itt	Huawei Tec	nnologies Canada	a
Comment 7 only or	<i>Type</i> <b>E</b> ne defintion	Comment Status D			bucket	Comment 100GE		Comment Status <b>D</b> added to the list of PHY typ	es.	bucke
Suggested Chang	<i>Remedy</i> e "definitions" to "	'definition"				Suggested Add 10	-	he list of PHY types.		
	Response	Response Status W				Proposed	_	Response Status W		

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

C/ 80 SC 80.2.4	P <b>51</b>	L <b>6</b>	# 54		CI 80	SC 80.4		P <b>52</b>	L 50	# 57
Brown, Matt	Huawei Techr	nologies Canada			Brown, Ma	tt	Н	uawei Tech	nologies Canada	
Comment Type <b>E</b> There are no changes m	Comment Status <b>D</b> narked in the paragraph.			bucket	Comment <sup>•</sup> No nee	51	Comment Sta e not-shown rows	_	cient to refer to "un	<i>buck</i> changed" rows.
SuggestedRemedy Underline the last senter	nce.				<i>Suggested</i> Chang		0G rows" to "som	e unchange	ed rows".	
Proposed Response PROPOSED ACCEPT II	Response Status W N PRINCIPLE.				You m FEC.	ight then reduce	the table size by	deleting ro	ws for MAC, PCS,	and 100GBASE-R
See response to comme	ent 42.				Proposed I PROP	Response OSED ACCEPT	Response Sta IN PRINCIPLE.	tus <b>W</b>		
C/ 80 SC 80.3.2	P <b>51</b>	L <b>30</b>	# 55		Chang	e wording to "un	changed rows no	ot shown" ar	nd remove unchan	ged rows from the
Brown, Matt Comment Type E	Comment Status D	nologies Canada		bucket	table.					
Fix amendment markup.	,				CI 80	SC 80.5		P <b>55</b>	L1	# 58
SuggestedRemedy					Brown, Ma				nologies Canada	
Space after "Figure 80-4	should be undelined.				Comment		Comment Sta	atus <b>D</b>		buck
Proposed Response	Response Status W					er editor's note.				
PROPOSED ACCEPT.					Suggested					
C/ 80 SC 80.3.2	P <b>52</b>	L <b>1</b>	# 56		•	•	, ,		hat and include "Eo	ditor's note:".
Brown, Matt		nologies Canada	# 50		Proposed I		Response Sta	tus <b>W</b>		
Comment Type E	Comment Status D	lologies Callada		bucket	PROP	OSED ACCEPT				
Underlined text is not red				DUCKEI	C/ 152	SC 152.1.1		P <b>58</b>	L11	# 59
SuggestedRemedy					Brown, Ma	tt	н	uawei Tech	nologies Canada	
Remove underline on "F	iqure 80-4a".				Comment	Туре <b>Т</b>	Comment Sta	atus <b>D</b>		
Proposed Response	Response Status W				100GB				pport of 100GBASE SE-P PHYs as wel	E-ZR which is a II. It could be used for
PROPOSED ACCEPT.										
					Suggested	Remedy				
					"The Ir FEC) s	e sentence to: overse RS-FEC s oublayer for	sublayer specifie: ASE-P, and 1000			rror Correction (RS-
					Chang "The Ir FEC) s	e sentence to: overse RS-FEC s sublayer for ASE-R, 100GB/	• •	BASE-Z P		rror Correction (RS-



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

	# 68	CI 83C	SC 83C.4	P120	L <b>8</b>	# 70
Brown, Matt Huawei Technologies Canad		Brown, Matt			chnologies Canada	
Comment Type <b>T</b> Comment Status <b>D</b> The change made in D1.2 is incorrect. It is a stream of DPQSK syn rx_symbol parameter. Although rx_symbol is earlier defined in the r	nbols transferred via the eferenced 116.3, its	Comment T	vpe E nstruction sho	Comment Status D uld refer to the inserted sub	-	bucke
reference here is somewhat mysterious. The list of primitives is two "and" not "to".	so connector should be	00		subclause 83C.4 at the en	d of Annex 83C as	s follows:"
SuggestedRemedy		Proposed R	esponse	Response Status W		
Change the text in 154.5.3 to: The PMD Receive function shall convert the composite optical sign	al received from the	PROPC	SED ACCEPT			
MDI into two DQPSK symbol streams for delivery to the PMD service interface u		C/ 135A	SC 135A	P122	L1	# 71
PMD:IS_UNITDATA_ 0.indication(rx symbol) and PMD:IS UNITDATA 1.indication(rx sy	(mbol) all according to	Brown, Matt			chnologies Canada	
the receive optical specifications in this clause. The PMD maps the phase changes on each of the DQPSK optical	, -	Comment T Editing		Comment Status D carried over from 802.3cd	and is not relevan	t in 802.3ct.
each rx_symbol parameter as specified in Table 154-4.	Signals to symbols on	SuggestedF	Remedy			
Proposed Response Response Status W		Delete e	editing instructi	on at the top of page 122.		
PROPOSED ACCEPT IN PRINCIPLE. Change to: "The PMD Receive function shall convert the composite optical sign		Proposed R PROPC	esponse ISED ACCEP1	Response Status W		
MDI into two DQPSK symbol streams for delivery to the PMD service messages PMD:IS_UNITDATA_	-	C/ 135A	SC 135A.3	P <b>122</b>	L	# 72
0.indication(rx_symbol) and PMD:IS_UNITDATA_1.indication(rx_sy the receive optical specifications in this clause.	/mbol), all according to	Brown, Matt			chnologies Canada	
The PMD maps the phase changes on each of the retrieved DQPS each rx_symbol parameter as specified in Table 154-4."	K signals to symbols on	Comment T Editing		Comment Status D uld refer to the inserted sub	oclause.	bucke
and the last sentence of 154.5.3 to: "Table 154-4 shows the mapping of the phase change of the retriev the DQPSK rx symbol streams for delivery to the PMD service inte		<i>SuggestedF</i> Change		subclause 135A.3 at the e	nd of Annex 135A	as follows:"
Cl 154 SC 154.5.4 P105 L48	# 69	Proposed R	esponse SED ACCEP1	Response Status W		
Brown, Matt Huawei Technologies Canad	a	FROFC		•		
Comment Type T Comment Status D	Bucket					
Although the service interface in 116.3 is used as a basis for specif (which specifies the service interface for this PMD) further elaborate leans, SIGNAL_OK parameter values, etc.) the details. Should refe	es (e.g., number of					
SuggestedRemedy Change "116.3" to "154.2".						
Proposed Response Response Status W						

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

PROPOSED ACCEPT.

C/154 SC	C 154.3.2	P <b>102</b>	L <b>48</b>	# <u>7</u> 3	C/ <b>154</b>	SC 154.5.4	P10	6	L <b>20</b>	# <u>7</u> 5
tassar, Peter		Huawei			Stassar, Pe	eter	Huawe	ei		
omment Type	TR	Comment Status A			Comment 7	Type <b>TR</b>	Comment Status	Α		
	no skew va	P3, SP4 and SP5 needs a v riation need to be removed b			The TE monito		replaced by describing	a condition	of the signa	al that is being
					Suggested					
400 ps.The	t by "Skew a Skew at SP	at SP2 is limited to 43 ns and 3 (the transmitter MDI) shall	be less than 54 r	ns and the Skew	the ave	erage optical p	to the TBD of the optic ower of the modulated se to the average optic	optical	·	
less than 13 service inter	34 ns and the rface is phys	e less than 600 ps. The Skew e Skew Variation at SP4 sha sically instantiated so that the be less than 145 ns and the S	ll be less than 3.4 Skew at SP5 ca	4 ns. If the PMD an be measured, then	Response ACCEF	PT.	Response Status	С		
than 3.6 ns.'			New Valiation at		C/ 154	SC 154.7.1	P11	0	L <b>5</b>	# 76
esponse		Response Status C			Stassar, Pe	eter	Huawe	ei		
ACCEPT IN					Comment 7	Type <b>TR</b>	Comment Status	Α		
Implement c	suggested re	emedy with editoral license.			<b>TI TO</b>		channel output nower	(max) needs	a value Pi	roposed is 0 dBm,
implement s	suggested ie									
154 SC	C 154.5.4	Р <b>106</b> Ниаwei	L6	# 74	leaving applica	a setting rang tion, in line wit	e of 8 dB, sufficient to h remarks made during optical output power ca	neet the requ	uirements f etings that	for the 80 km
<b>154</b> SC assar, Peter		P106	L <b>6</b>	# 74	leaving applica	a setting rang tion, in line wit entations the	e of 8 dB, sufficient to h remarks made during	neet the requ	uirements f etings that	for the 80 km
/ <b>154</b> SC tassar, Peter omment Type	C 154.5.4	P <b>106</b> Huawei			leaving applica implem Suggested	a setting rang tion, in line wit entations the	e of 8 dB, sufficient to h remarks made during optical output power ca	neet the requ	uirements f etings that	for the 80 km
154 SC assar, Peter omment Type TBD for Sigr to achieve d is proposed	C 154.5.4 TR nal_Detect F distances up to use the c	P <b>106</b> Huawei Comment Status <b>A</b>	ing that this Claus is of an optically e of -30 dBm and	se primary objective is amplified black liink it	leaving applica implem Suggested	a setting rang tion, in line wit entations the <i>Remedy</i> e TBD by "0" (	e of 8 dB, sufficient to h remarks made during optical output power ca	neet the requ previous me n be easily ad	uirements f etings that	for the 80 km
154 SC assar, Peter omment Type TBD for Sigr to achieve d is proposed unamplifed o	TR TR Inal_Detect F distances up to use the c cases a low	P106 Huawei Comment Status A Fail needs a value. Consideri to at least 80 km on the bas common average power valu	ing that this Claus is of an optically e of -30 dBm and	se primary objective is amplified black liink it	leaving applica implem Suggested Replac Response ACCEF	a setting rang tion, in line wit lentations the <i>Remedy</i> e TBD by "0" ( PT.	e of 8 dB, sufficient to h remarks made during optical output power ca zero) <i>Response Status</i>	neet the requ previous me n be easily ac C	uirements f eetings that djusted.	for the 80 km t for most
154 SC ssar, Peter mment Type TBD for Sigr to achieve d is proposed unamplifed o ggestedReme Replace TBI	<b>TR</b> TR nal_Detect F distances up to use the c cases a low edy D by "-30" a	P106 Huawei Comment Status A Fail needs a value. Consider to at least 80 km on the bas common average power value er threshold may be necessa	ing that this Claus is of an optically e of -30 dBm and any	se primary objective is amplified black liink it d add a note that for	leaving applica implem Suggested Replac Response ACCEF CI <b>154</b>	a setting rang tion, in line wit entations the <i>Remedy</i> e TBD by "0" ( PT. SC <b>154.7.2</b>	e of 8 dB, sufficient to h remarks made during optical output power ca zero) <i>Response Status</i> <i>P</i> 11	neet the requ previous me n be easily ac C	uirements f etings that	for the 80 km
154 SC assar, Peter mment Type TBD for Sigr to achieve d is proposed unamplifed of ggestedReme Replace TBI necessary to	<b>TR</b> TR nal_Detect F distances up to use the c cases a low edy D by "-30" a	P106 Huawei Comment Status A Fail needs a value. Consideri to at least 80 km on the bas common average power valu er threshold may be necessa and add a note "for applicatio er value".	ing that this Claus is of an optically e of -30 dBm and any	se primary objective is amplified black liink it d add a note that for	leaving applica implem Suggested Replac Response ACCEF Cl 154 Stassar, Pe	a setting rang tion, in line with entations the <i>Remedy</i> e TBD by "0" ( PT. SC <b>154.7.2</b> eter	e of 8 dB, sufficient to h remarks made during optical output power ca zero) <i>Response Status</i> <i>P</i> 11 Huawe	reet the requ previous me n be easily ac C	uirements f eetings that djusted.	for the 80 km t for most
154 SC assar, Peter omment Type TBD for Sigr to achieve d is proposed unamplifed o uggestedReme Replace TBI	C 154.5.4 TR nal_Detect F distances up to use the c cases a lowe edy D by "-30" a o use a lowe	P106 Huawei Comment Status A Fail needs a value. Consider to at least 80 km on the bas common average power value er threshold may be necessa and add a note "for applicatio er value". Response Status C	ing that this Claus is of an optically e of -30 dBm and any	se primary objective is amplified black liink it d add a note that for	leaving applica implem Suggested Replac Response ACCEF CI 154 Stassar, Pe Comment T The TE	a setting rang tion, in line with entations the <i>Remedy</i> e TBD by "0" ( PT. SC <b>154.7.2</b> eter <i>Type</i> <b>TR</b> 3D needs to be	e of 8 dB, sufficient to h remarks made during optical output power ca zero) <i>Response Status</i> <i>P</i> 11	C C S S S S S S S S S S S S S S S S S S	uirements f eetings that djusted.	for the 80 km t for most # 77
154 SC assar, Peter TBD for Sigr to achieve d is proposed unamplifed of aggestedReme Replace TBI necessary to esponse	TR nal_Detect F distances up to use the c cases a low edy D by "-30" a o use a low I PRINCIPLE	P106 Huawei Comment Status A Fail needs a value. Consider to at least 80 km on the bas common average power value er threshold may be necessa and add a note "for applicatio er value". Response Status C	ing that this Claus is of an optically e of -30 dBm and any	se primary objective is amplified black liink it d add a note that for	leaving applica implem Suggested Response ACCEF Cl 154 Stassar, Pe Comment T The TE above to Suggested	a setting rang tion, in line with entations the <i>Remedy</i> e TBD by "0" ( PT. SC 154.7.2 eter <i>Type</i> <b>TR</b> BD needs to be the proposed	e of 8 dB, sufficient to h remarks made during optical output power ca zero) <i>Response Status</i> <i>P</i> 11 Huawe <i>Comment Status</i> replaced by a value. It	C C S S S S S S S S S S S S S S S S S S	uirements f eetings that djusted.	for the 80 km t for most # 77

C/ <b>154</b> S	C 154.7.3	P111	L <b>36</b>	# <u>7</u> 8	C/ 154	SC 154.7.3	P <b>111</b>	L <b>40</b>	# 81
tassar, Peter		Huawei			Stassar, P	eter	Huawei		
omment Type	e TR	Comment Status A			Comment	Type <b>TR</b>	Comment Status A		
dispersion fiber. ITU-1	to 1600 ps/n Γ SG15 at its	eeting in Geneva it was agree m. This is appropriate for blac recent closing plenary meetir 4, adding new fiber type G.65	k links containii g 7 Feb 2020 c	ng 80 km of G.652 onsented revised	ps/nm occurr	.nm.km is an aj ence of FWM	spersion slope (max) (S0) opropriate minimum for bo		
somewhat	higher chron	natic dispersion values. This r ck link, because it may be ap	ew fiber type sł	ould not be precluded	Suggested Replac	<i>lRemedy</i> ce TBD by 0.05			
a worst cas number for	se link disper r 80 km links	ion over the wavelength range sion of 1931 ps/nm. 2000 ps/ . The relevant ITU-T Recomm	nm would be an endations provi	appropriate rounded de a difference in	Response ACCE	PT IN PRINCIF	Response Status C		
uggestedRen	nedy	f 0.05 dB/km, implying a loss	difference of 4			e 154-10 replac ce TBD by 0.05	e for parameter fiber disp	ersion slope replace	(max) by (min).
•	600 by 2000	Deserves Status C			C/ 154	SC 154.7.3	P111	L <b>42</b>	# 82
esponse ACCEPT.		Response Status C			Stassar, P	eter	Huawei		
					Comment	Type <b>TR</b>	Comment Status A		
' <b>154</b> S assar, Peter	C 154.7.3	P <b>111</b> Huawei	L <b>37</b>	# 79			lue 0f 25 dB for "Minimum n to comment #88 to D1.1		
omment Type	⇒ TR	Comment Status A			Suggested	IRemedy			
51		/nm will occur only when using	g G.653 (dispers	sion shifted) fibers.	Replac	ce TBD by 25			
which are r	not anticipate	ed to be used in C-band applic hould be 0 ps/nm for 0 km.			Response	PT IN PRINCIF	Response Status C		
SuggestedRen Replace -2	nedy 200 by 0 (zero	5)				ce TBD by 25 ir			
Response		Response Status C			C/ 154	SC 154.7.3	P <b>111</b>	L <b>43</b>	# 83
ACCEPT.					Stassar, P	eter	Huawei		
/ <b>154</b> S	C 154.7.3	P111	L39	# 80	Comment	Type <b>TR</b>	Comment Status A		
tassar, Peter	0 104.7.5	Huawei	239	# 60			is a black link there shoul etween TP2 and TP3"	d not be a requirem	ent for "Maximum
Comment Type		Comment Status A			Suggested	IRemedy			
The param deleted	ieter "Fiber z	ero dispersion wavelength" do	es not seem to	useful. Should be	Delete	row for "Maxim	num discrete reflectance b	etween TP2 and TP	3" from Table
SuggestedRen	-				Response ACCE	PT IN PRINCIF	Response Status C		
	for "Fiber ze	ro dispersion wavelength" fro	m I able						
Response ACCEPT I	N PRINCIPL	Response Status <b>C</b> E.			See re	sponse to com	ment 104		
Delete row	for "Fiber ze	ro dispersion wavelength" fro	m Table 154-10						

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

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C/ 1	SC 1.4	P <b>22</b>	L	# 84	C/ 153	SC 15	53.2.4.4	P <b>92</b>	L13	# 87
Stassar, Pet	ter	Huawei			Maniloff, E	ric		Ciena		
	/ need a definiti	Comment Status <b>D</b> on of channel spacing. The p commendation ITU-T G.671.	proposed defini	tion is consistent with	Comment FAS_C Suggested	COMPAR		Comment Status <b>D</b> read COMP to be consister	nt with the left si	<i>bucke</i> de of the block diagram
wavelen are base	4.181a Channel igth between ac	-	pplication. DW	DM channel spacings	Chang Proposed PROP	e to CON Response OSED AC	/IP 9 CCEPT II	<i>Response Status</i> <b>W</b> NPRINCIPLE. n the box on the right side, l	ine 13 from FA	S_COMPARE to COMP
Proposed R	•	Response Status W			C/ 153	SC 15	53.2.4.4	P <b>92</b>	L14	# 88
PROPO	SED ACCEPT.				Maniloff, E	ric		Ciena		
<i>Cl</i> <b>1</b> Stassar, Pet	SC <b>1.4</b> ter	P <b>22</b> Huawei	L	# 85	Comment FAS_C	<i>Type</i> COMPAR	<b>E</b> is a typo	Comment Status D		bucke
Comment Ty	ype TR	Comment Status D			Suggestea	IRemedy				
		on of polarization dependent			change	e FAS_C	OMPAR	TO FAS_COMPARE		
SuggestedR Add "1.4	Remedy 4.401a polarizat	currently in Recommendation	ation of insertio	on loss due to a variation	Proposed PROP	Response OSED A		Response Status W		
		ion (SOP) over all SOPs with al wavelength range (CWDM			C/ 154	SC 15	54.8.13	P <b>113</b>	L <b>47</b>	# 89
Proposed R		Response Status W			Maniloff, E	ric		Ciena		
•	SED ACCEPT.	,			Comment			Comment Status D		
Cl <b>154</b> Stassar, Pet Comment Ty		P <b>111</b> Huawei Comment Status <b>A</b>	L <b>36</b>	# 86	restrict maxim reach	tion, not t ium of these a	he OSNF	mited to < 80km for the una 8. So the comment "The ass ns to less than 80 km speci her than 154.8.15	ociated channe	l loss will likely limit the
,		ween brackets in the parame	ter name "(res	idual) chromatic	Suggestea	Remedy				
dispersi	on" may be cor ich is unlikely in	ifusing and imply usage of di the anticipated applications.	spersion comp	ensation inside the black	Move t reach	the text "7	The asso applicatio	ciated channel loss will likely ns to less than 80 km speci .13		
SuggestedR	Remedy				Proposed	Response	Э	Response Status W		
Remove	e "(residual)" in	both parameter entries in Ta	ble 154-10.			OSED RE				
Response ACCEP	Τ.	Response Status C			specify 80 km has be	/ usage o , without i en insert	of the sam including ed in D1.	he requirement for OSNR(1 he receiver for unamplified a requirements for the associ 1 as a result to comment #2 DSNR(193.6) [unamplified].	pplications with ated medium."	

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

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154 SC 8.1	P <b>112</b>	L <b>6</b>	# <u>9</u> 0	C/ 154 SC 8.2	P <b>112</b>	L <b>33</b>	# 93
eAndrea, John	Finisar II-VI			DeAndrea, John	Finisar II-VI		
omment Type E	Comment Status D			Comment Type E	Comment Status D		
"Any of the test pattern that test." is not neede	s given for a particular test in <sup>-</sup> d	Гаble 154-12 n	nay be used to perform	eliminate sentance. SuggestedRemedy			
<i>uggestedRemedy</i> Remove sentance				,	he transmitter is modulated usi	ng the test patt	ern defined in Table
oposed Response PROPOSED REJECT. The intent of the sente for other in-force optica	Response Status W	a similar Table	e with test patterns as	Proposed Response PROPOSED REJECT See response to com			
Currently that whole pa				C/ 154 SC 8.3	P <b>112</b>	L <b>38</b>	# 94
154 SC 8.1	P112	L16	# 91	DeAndrea, John	Finisar II-VI		
Andrea, John	Finisar II-VI			Comment Type E	Comment Status D		
omment Type E	Comment Status D			Modify			
TBD not required				SuggestedRemedy			
iggestedRemedy				•	age optical power is measured	per the test set	up in Figure 53-6."
Eliminate TBD				Proposed Response	Response Status W		
roposed Response PROPOSED REJECT.	Response Status W	wined Cas als		PROPOSED REJECT No reason has been p See also resolution to	provided why the current descrip	otion is inappro	priate or wrong.
#90		ulled. See als	o response to comment	C/ 154 SC 9.1	P <b>114</b>	L <b>51</b>	# 95
154 SC 8.1	P112	L19	# 92	DeAndrea, John	Finisar II-VI		
Andrea, John	Finisar II-VI	210		Comment Type E	Comment Status D		
mment Type E	Comment Status D			Modify sentence			
Consider dropping tabl				SuggestedRemedy			
ggestedRemedy				Change to: "whether o	coupled into a fiber or from an o	pen MDI active	e output"
,	cific pattern is not required for	testing transmi	itter characteristics.	Proposed Response	Response Status W		
posed Response	Response Status W	J.		PROPOSED REJECT No evidence / descrip	tion has been provided why the	current senter	ice is wrong or
PROPOSED REJECT.	ded why a list of test patterns i	s not required		inappropriate.	is completely consistent with si		-

C/ 154 SC 6		P107	L <b>25</b>	# <u>9</u> 6	C/ 154	SC 8	8.1	P <b>110</b>	L <b>52</b>	# <u>9</u> 8
DeAndrea, John		Finisar II-VI			DeAndrea	ı, John		Finisar II-VI		
Comment Type E	Cor	mment Status D			Comment	Туре	т	Comment Status D		
points between t black link" What	he optical mu are multichar	wever, it does not enable Iltiplexer and demultiplex nnel points? If a single c mentioning interoperabili	er that are like hannel is only	ly to be included is supported through	n the Claus one carrie	e 153.2.3 r channe liance.	3.2.6 Scr Is provide	re not required, based on Clau ambler for dual polarization op e enogh randomization for opt	tical signals. T	he scrambler and dua
SuggestedRemedy					•••			npliance is to be achieved in n	ormal operatio	n and Clause
Drop sentaence					153.2	.3.2.5 SC	C-FEC er	coder, and Clause 153.2.3.2.6 for transmit parameter measure	6 Scrambler, p	
Proposed Response		ponse Status W			Proposed		•	Response Status W		
points where mo	ence refers to re than one c	o an essential characteri hannel is present in the ed by the specification.			ins PROF	•	CCEPT	IN PRINCIPLE.		
					C/ <b>154</b>	SC 1	54.7.1	P <b>110</b>	L <b>5</b>	# 99
C/ 154 SC 7.2	2	P <b>111</b>	L <b>11</b>	# 97	Schmitt, M	/latt		CableLabs		
eAndrea, John		Finisar II-VI			Comment	Туре	т	Comment Status R		
<i>comment Type</i> <b>T</b> <i>Comment Status</i> <b>A</b> TBD value for receiver damage threshold. <i>uggestedRemedy</i> For amplified links, 48 channel system can have 48 channels launched at +1 dbm for 80				adopt safety Suggeste	ing the s thresho	ame valu ld (as op	verage channel output power e as the CableLabs PHYv1.0 posed to a power level anyone	specification, v	which was selected a	
	,	for +1 dBm launch pow			Chan	ge "TBD'	' to "7" fo	r "Average channel output pov	ver (max)" in T	able 154-8.
	a DeMux or fi	ally, mistakes are made, iber span. Suggest using e threshold.			a <i>Response</i> REJE			Response Status C		
Response ACCEPT IN PRI	Res	ponse Status C			See r	esolution	to comm	ent #76		
					C/ 154	SC 1	54.8.1	P111	L <b>1</b>	# 100
		omment 77 however is n		o cover	Schmitt, M	/latt		CableLabs		
misconnections	from inside in	e black link directly into	the receiver.			dn't Tabl		Comment Status <b>D</b> be in Sub-clause154.7.2 as in at text? If not, it should be mo		? Is there a reason
					Suggeste Move			into sub-clause 154.7.2.		
						POSED F s a cosm	REJECT.	Response Status W	ng the final edi	ting just before

Comment ID 100

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

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

CI 80	SC 80.1.3	P <b>49</b>	L <b>14</b>	# 110	C/ 80	SC 80.1.5	P50	L <b>6</b>	# <u>1</u> 13
Nicholl, Ga	ary	Cisco systems			Nicholl, G	ary	Cisco systems		
Comment	Type E	Comment Status D		bucket	Comment	Type E	Comment Status D		bucke
		states "Change Figure 80-1 in	80.1.3 as follo	ws:", but there is no	Table	80-4b is a new	table , so there should be no und	erlining.	
•	re 80-1" in the doc	ument.			Suggeste	dRemedy			
Suggester	,	update accordingly.			Delete	e all underlining	in Table 80-4b		
	Response	Response Status W				Response	Response Status W		
,	POSED ACCEPT	,			PROF	POSED ACCEP	Т.		
					CI 80	SC 80.3.2	P51	L <b>28</b>	# 114
Seere	esponse to comm	ent 51.			Nicholl, G	ary	Cisco systems		
CI 80	SC 80.1.5	P <b>50</b>	L <b>3</b>	# 111	Comment	Type E	Comment Status D		bucke
Nicholl, Ga	ary	Cisco systems			Extra	space between	100GBASE-R and 100GBASE-P		
Comment	Туре Е	Comment Status D		bucket	Suggeste	dRemedy			
	g instruction state ed is actually Tabl	s "Insert Table80–4 after Tab	le 80-4a as foll	ows:", but the tabel	Use s	trikethrough for	the extra space after the "and"		
	,	le ou-4b.			Proposed	Response	Response Status W		
Suggested	2	on to read " "Insert Table80–4	h after Table 8	0-4a as follows:"	PROF	POSED ACCEP	Т.		
•	Response	Response Status W			CI 80	SC 80.3.2	P51	L30	# 115
,	POSED ACCEPT	,			Nicholl, G		Cisco systems		
0					Comment	5	Comment Status D		bucke
See re	esponse to comm	ent 41.				ng underline, un	der space.		
	SC 80.1.5	P50	L <b>6</b>	# 112	Suggeste	dRemedy			
C/ 80	30 00.1.5								
		Cisco systems			00	,	a, " to "Figure 80–4a, "		
Nicholl, Ga Comment	ary <i>Type</i> <b>T</b>	Cisco systems Comment Status D		bucket	Chang	,	a, " to "Figure 80–4a, " <i>Response Status</i> <b>W</b>		
Nicholl, Ga Comment	ary <i>Type</i> <b>T</b>	Cisco systems			Chan Proposed	ge "Figure 80–4 <i>Response</i>	-		
Nicholl, Ga Comment Table Suggestee	ary <i>Type</i> <b>T</b> 80-4b is missing <i>dRemedy</i>	Cisco systems Comment Status D a column for Clause 135.			Chang Proposed PROF	ge "Figure 80–4 <i>Response</i> POSED ACCEP	Response Status W T IN PRINCIPLE.		
Nicholl, Ga Comment Table Suggestee	ary <i>Type</i> <b>T</b> 80-4b is missing	Cisco systems Comment Status D a column for Clause 135.			Chang Proposed PROF	ge "Figure 80–4 <i>Response</i>	Response Status W T IN PRINCIPLE.		
Nicholl, Ga Comment Table Suggestee Add a	ary <i>Type</i> <b>T</b> 80-4b is missing <i>dRemedy</i>	Cisco systems Comment Status D a column for Clause 135.			Chang Proposed PROF	ge "Figure 80–4 <i>Response</i> POSED ACCEP	Response Status W T IN PRINCIPLE.		

C/ 80 SC 80.3.2	5-1							
	P <b>52</b>	L <b>1</b>	# <u>1</u> 16	C/ 154 SC 15	4.7.1	P110	L <b>26</b>	# <u>1</u> 19
licholl, Gary	Cisco system	6		Lewis, David	Lui	mentum		
Comment Type E	Comment Status D		bucket	Comment Type	Comment Stat	us <b>D</b>		
There should be no unde	erline in editing instruction				ss tolerance should be a			
uggestedRemedy					the black link of 24 dB w a return loss from the bla			
Remove underline in edi	ting instruction			reflected back in	to the transmitter. There			
roposed Response	Response Status W			maximum.				
PROPOSED ACCEPT II	N PRINCIPLE.			SuggestedRemedy				
See response to comme	nt 56				tion to "Optical return los	s tolerance (m	in)"	
	in 50.			Proposed Response	Response Stat	us <b>Z</b>		
80 SC 80.4	P <b>52</b>	L <b>49</b>	# <u>1</u> 17	REJECT.				
icholl, Gary	Cisco system	S		This comment w	as WITHDRAWN by the	commenter.		
Comment Type E	Comment Status D		bucket	C/ 154 SC 15	4.8.1	P112	L <b>27</b>	# 120
Need to reference 802.3				D'Ambrosia, John		turewei, U.S. S		
uggestedRemedy		(			R Comment Stat			
2018) as follows (unchar shown)"	on from "Change Table80–5 nged 40G rows not	(as modified by	IEEE Std 802.3cd-	The last entry in	Table 154-12 is TBD. T pointing to Table 154-12	here are no ot	her test paran	neters requiring a te
to				SuggestedRemedy				
	modified by IEEE Std 802.3	cd-2018 and IEE	EE Std 802.3cu-xx) as		ents of the entire row for t	he "TRD" entr	v	
	TOWS HOL						<i>J</i>	
follows (unchanged 40G shown)"				Pronocod Rochanco				
shown)"				Proposed Response		us vv		
shown)"	Response Status W			PROPOSED RE				
shown)" roposed Response PROPOSED ACCEPT.		L47	# 118	PROPOSED RE	JECT. comments #90 and #12		L15	# [121
shown)" Proposed Response PROPOSED ACCEPT.	Response Status W	L <b>47</b>	# 118	PROPOSED RE See resolution to	EJECT. b comments #90 and #12 4.8.1	23		
shown)" Proposed Response PROPOSED ACCEPT. 7 152 SC 152.5.1 ewis, David	Response Status W P <b>61</b> Lumentum	L <b>47</b>		PROPOSED RE See resolution to CI 154 SC 15	JECT. o comments #90 and #12 4.8.1	23 P <b>112</b> turewei, U.S. S		
shown)" Proposed Response PROPOSED ACCEPT. 27 <b>152</b> SC <b>152.5.1</b> ewis, David comment Type <b>E</b>	Response Status W		bucket	PROPOSED RE See resolution to Cl 154 SC 15 D'Ambrosia, John Comment Type 1	JECT. o comments #90 and #12 4.8.1	23 P <b>112</b> turewei, U.S. S <i>tus</i> <b>D</b>	Subsidiary of H	luawei
shown)" Proposed Response PROPOSED ACCEPT. 2/ 152 SC 152.5.1 ewis, David Comment Type E The caption for Fig 152-2	Response Status W P61 Lumentum Comment Status D		bucket	PROPOSED RE See resolution to Cl 154 SC 15 D'Ambrosia, John Comment Type 1	JECT. o comments #90 and #12 4.8.1 Fu TR Comment Stat	23 P <b>112</b> turewei, U.S. S <i>tus</i> <b>D</b>	Subsidiary of H	luawei
shown)" Proposed Response PROPOSED ACCEPT. 7/ 152 SC 152.5.1 ewis, David comment Type E The caption for Fig 152-2 uggestedRemedy	Response Status W P61 Lumentum Comment Status D	unction block dia	<i>bucket</i> gram of.	PROPOSED RE See resolution to Cl 154 SC 15 D'Ambrosia, John Comment Type 1 The last entry in SuggestedRemedy 1. Delete the con	JECT. o comments #90 and #12 <b>4.8.1</b> Fu <b>TR</b> Comment Stat Table 154-11 is TBD. T ntents of the entire row for	23 P <b>112</b> turewei, U.S. S <i>us</i> <b>D</b> here are no ot or the "TBD" en	Subsidiary of H	luawei
shown)" Proposed Response PROPOSED ACCEPT. Cl 152 SC 152.5.1 ewis, David Comment Type E The caption for Fig 152-2 SuggestedRemedy Change caption to "Inves	Response Status W P61 Lumentum Comment Status D 2 does not say what it is a fu	unction block dia	<i>bucket</i> gram of.	PROPOSED RE See resolution to Cl 154 SC 15 D'Ambrosia, John Comment Type T The last entry in SuggestedRemedy 1. Delete the coi 2. Rename Tabl	EJECT. to comments #90 and #12 <b>4.8.1</b> <b>Fu</b> <b>TR</b> Comment Stat Table 154-11 is TBD. T Intents of the entire row for e 154-11 to "Test Pattern	23 P <b>112</b> turewei, U.S. S <i>us</i> <b>D</b> here are no ot pr the "TBD" ei "	Subsidiary of H	luawei
shown)" Proposed Response PROPOSED ACCEPT. 2/ 152 SC 152.5.1 ewis, David Comment Type E The caption for Fig 152-2 SuggestedRemedy	Response Status W P61 Lumentum Comment Status D 2 does not say what it is a fu	unction block dia	<i>bucket</i> gram of.	PROPOSED RE See resolution to Cl 154 SC 15 D'Ambrosia, John Comment Type 1 The last entry in SuggestedRemedy 1. Delete the con	JECT. o comments #90 and #12 <b>4.8.1</b> <b>Fu</b> <b>TR</b> Comment Stat Table 154-11 is TBD. T ntents of the entire row for e 154-11 to "Test Pattern <i>Response State</i>	23 P <b>112</b> turewei, U.S. S <i>us</i> <b>D</b> here are no ot pr the "TBD" ei "	Subsidiary of H	luawei

C/ 154 SC 154.8.1	P <b>112</b>	L <b>22</b>	# 122	C/ 154	SC 154.11.1	3 <i>P</i> 118	L1	# 125
D'Ambrosia, John	Futurewei, U.S	S. Subsidiary of H	luawei	Issenhuth	Tom	Huawei		
Comment Type TR	Comment Status D			Comment	Type E	Comment Status D		
There has only been or 154-12 for the optical p	ne test pattern defined in Tab arameters.	le 154- in that ca	n be used in Table	The P Suggestee		ng in 154.11.3 are incompl	ete.	
SuggestedRemedy				00		PICS tables with the infor	nation from issen	huth 3ct 04 0320
Change TBD in all opti <sup>,</sup>	cal paramaeter entries to Pat	tern 5.						nun_001_04_0020
Proposed Response PROPOSED REJECT.	Response Status W			,	Response POSED ACCEPT	Response Status W		
See resolution to com						an entry for "General Safet om comment 107.	/" is added, align	the Value/Comment w
C/ 154 SC 154.8.1	P <b>112</b>	L18	# 123					
D'Ambrosia, John	Futurewei, U.S	S. Subsidiary of I	luawei	-				
Comment Type E	Comment Status D							
	12 seems incorrect. The ITes ing defined is the test pattern							
SuggestedRemedy								
Change title of Table 1 subclauses.	54-12 to "Optical Parameter <sup>-</sup>	Test-pattern defir	nitions and related					
Proposed Response	Response Status W							
As soon as that has be	patterns still needs to be con en established, the correct til sistent with existing in-force c	le should be defi	ned.					
C/ 45 SC 45.2.1.21	b P <b>27</b>	L <b>35</b>	# 124					
ssenhuth, Tom	Huawei							
	Comment Status <b>D</b> s inserted by IEEE Std 802.3 019 and modifed by IEEE Std		e 45.24b was inserted					
SuggestedRemedy								
,	/ IEEE Std 802.3cu-20xx" to '	'as modified by II	EEE Std 802.3cu-20xx					
- ,		2						