C/FM SC FM	P1	L <b>29</b>	# I-145	C/FM SC O	P <b>2</b>	L <b>4</b>	# I-3
awe, Piers J G	NVIDIA			Maguire, Valerie	Copperopolis	s	
comment Type <b>T</b>	Comment Status X			Comment Type G	Comment Status X		
	perate over DWDM systems as		fined them. It is used	It may be useful to in	nclude "concatenated forward e	error correction (	FEC)" as a Keyword
	s. It operates over DWDM a m	iedium.		SuggestedRemedy			
SuggestedRemedy	ver DWDM systems" to "DWDI	Monoration" hor	o in the abstract and	Insert "concatenated	forward error correction (CFE	C)" after "400GE	BASE-ZR"
	age 13. I believe this is easier			Proposed Response	Response Status <b>O</b>		
roposed Response	Response Status O			C/ FM SC 90.7.2	P64	L	# 1-47
				D'Ambrosia, John	Futurewei Te	echnologies, U.S	6. Subsidiary of Huaw
FM SC FM	P5	L <b>40</b>	# I-147	Comment Type TR	Comment Status X		
awe, Piers J G	NVIDIA			ieee p802.3cw does	not address Clause 90 time sy	ncronization.	
· <b>-</b> –							
21	Comment Status X			SuggestedRemedy			
As pointed out before	Comment Status X e, "IEEE Xplore, "contact IEEE"	" and footnotes 3	and 4 are muddled up.	,	use 90 will be necessary. A pre o Clause 90.	esentation will be	e provided addressing
As pointed out before	e, "IEEE Xplore, "contact IEEE	" and footnotes 3	and 4 are muddled up.	Modifications to Cla		esentation will be	e provided addressing
As pointed out before SuggestedRemedy Get the IEEE staff to	e, "IEEE Xplore, "contact IEEE	" and footnotes 3	and 4 are muddled up.	Modifications to Clau proposed changes to	o Clause 90.	esentation will be	e provided addressing
As pointed out before uggestedRemedy Get the IEEE staff to	e, "IEEE Xplore, "contact IEEE" fix it	" and footnotes 3	and 4 are muddled up.	Modifications to Clau proposed changes to	o Clause 90.	esentation will be	e provided addressing # [-148
As pointed out before uggestedRemedy Get the IEEE staff to roposed Response	e, "IEEE Xplore, "contact IEEE" fix it	" and footnotes 3		Modifications to Clau proposed changes to Proposed Response	o Clause 90. Response Status <b>O</b>		
As pointed out before uggestedRemedy Get the IEEE staff to roposed Response	e, "IEEE Xplore, "contact IEEE" fix it <i>Response Status</i> <b>O</b> <i>P</i> <b>00</b>	" and footnotes 3	and 4 are muddled up. # [ <u>l-146</u>	Modifications to Clau proposed changes to Proposed Response	o Clause 90. Response Status <b>O</b> P <b>21</b>		
As pointed out before SuggestedRemedy Get the IEEE staff to Proposed Response C FM SC 0 Dawe, Piers J G Comment Type TR	e, "IEEE Xplore, "contact IEEE" fix it <i>Response Status</i> <b>O</b> <i>P</i> <b>00</b> NVIDIA <i>Comment Status</i> <b>X</b>	L	# [ <mark>-146</mark>	Modifications to Clau proposed changes to Proposed Response Cl 1 SC 1.3 Dawe, Piers J G Comment Type T	o Clause 90. <i>Response Status</i> O <i>P</i> 21 NVIDIA <i>Comment Status</i> X is at least twice out of date. T	L7	# <u> -148</u>
As pointed out before suggestedRemedy Get the IEEE staff to proposed Response FM SC 0 Dawe, Piers J G comment Type TR This project has served	e, "IEEE Xplore, "contact IEEE" fix it <i>Response Status</i> <b>O</b> <i>P</i> <b>00</b> NVIDIA <i>Comment Status</i> <b>X</b> ed one purpose (teaching us h	<i>L</i> ow to write an ex	# [ <u>-146</u> tender-based spec)	Modifications to Clau proposed changes to Proposed Response Cl 1 SC 1.3 Dawe, Piers J G Comment Type T IEC 61280-1-3:2010	o Clause 90. <i>Response Status</i> O <i>P</i> 21 NVIDIA <i>Comment Status</i> X is at least twice out of date. T	L7	# <u> -148</u>
As pointed out before uggestedRemedy Get the IEEE staff to troposed Response F FM SC 0 Dawe, Piers J G comment Type TR This project has serve and fails another (not	e, "IEEE Xplore, "contact IEEE" fix it <i>Response Status</i> <b>O</b> <i>P</i> <b>00</b> NVIDIA <i>Comment Status</i> <b>X</b>	<i>L</i> ow to write an ex f a 400ZR clone,	# [ <u>-146</u> tender-based spec)	Modifications to Clau proposed changes to Proposed Response Cl 1 SC 1.3 Dawe, Piers J G Comment Type T IEC 61280-1-3:2010 content that was add SuggestedRemedy	o Clause 90. <i>Response Status</i> O <i>P</i> 21 NVIDIA <i>Comment Status</i> X is at least twice out of date. T	L7 <sup>-</sup> his spec refers t	# <u>I-148</u> to it but may need
As pointed out before SuggestedRemedy Get the IEEE staff to Proposed Response C/ FM SC 0 Dawe, Piers J G Comment Type TR This project has serve and fails another (not define terms). It is ye	e, "IEEE Xplore, "contact IEEE" fix it <i>Response Status</i> <b>O</b> <i>P</i> <b>00</b> NVIDIA <i>Comment Status</i> <b>X</b> ed one purpose (teaching us h providing a proper definition o	<i>L</i> ow to write an ex f a 400ZR clone,	# [ <u>-146</u> tender-based spec)	Modifications to Clau proposed changes to Proposed Response Cl 1 SC 1.3 Dawe, Piers J G Comment Type T IEC 61280-1-3:2010 content that was add SuggestedRemedy	P21 Response Status O P21 NVIDIA Comment Status X is at least twice out of date. T led after 2010	L7 <sup>-</sup> his spec refers t	# <u>I-148</u> to it but may need
As pointed out before SuggestedRemedy Get the IEEE staff to Proposed Response C/ FM SC 0 Dawe, Piers J G Comment Type TR This project has serve and fails another (not	e, "IEEE Xplore, "contact IEEE" fix it <i>Response Status</i> <b>O</b> <i>P</i> <b>00</b> NVIDIA <i>Comment Status</i> <b>X</b> ed one purpose (teaching us h providing a proper definition o	<i>L</i> ow to write an ex f a 400ZR clone,	# [ <u>-146</u> tender-based spec)	Modifications to Clau proposed changes to Proposed Response Cl 1 SC 1.3 Dawe, Piers J G Comment Type T IEC 61280-1-3:2010 content that was add SuggestedRemedy Change the date to 2	Clause 90. Response Status O P21 NVIDIA Comment Status X is at least twice out of date. T led after 2010 2021 or remove the date from I	L7 <sup>-</sup> his spec refers t	# <u>I-148</u> to it but may need

C/ 1 SC **1.3** 

C/ 1 SC 1.3	P <b>21</b>	L <b>8</b>	# I-46	C/ 1	SC	1.3	P <b>21</b>	L <b>12</b>	<b>#</b> I-149
D'Ambrosia, John	Futurewei Te	echnologies, U.S	S. Subsidiary of Huawei	Dawe, F	Piers J G		NVIDIA		
Comment Type E A normative refere document	Comment Status X nce to G.709.1 is listed but there	e are no other in	stances of G.709.1 in the	Commer Note		<b>TR</b> 400ZR-(	Comment Status X 03 is in preparation.		
				Suggest	edRemec	ly			
SuggestedRemedy Delete the reference	a to C 700 1						ug fixes that OIF have identifie	ed, update the re	eference when 400ZR is
						•	is on the issue list.		
Proposed Response	Response Status O			Propose	d Respor	ise	Response Status <b>O</b>		
C/ 1 SC 1.3	P21	L <b>8</b>	# I-80	C/ 1	SC	1.3	P <b>21</b>	L12	# <u>I-105</u>
Issenhuth, Tom	Huawei Tech	nnologies Co., L	td,Issenhuth Consulting,	Rolfe, B	enjamin		Blind Creek A	ssociates	
Comment Type E	Comment Status X			Comme	nt Type	TR	Comment Status X		
SuggestedRemedy Delete the normati Proposed Response	ve reference to G.709.1 Response Status <b>O</b>			.Imp		ion Agree	guage (e.g. something like "xx ement 400ZR6") or this is infor		
	,				edRemed	•			
C/ 1 SC 1.3	P21	L <b>8</b>	# I-1	Ren (1.3		400ZR-0	2.0, Implementation Agreeme	nt 400ZR6 from	normative references
Turner, Michelle	Editorial Coc	ordination		Propose	d Respor	ise	Response Status O		
Comment Type TR	Comment Status X								
Please reconcile if appropriate.	ITU-T G709.1 or ITU-T G709 is	the correct refer	ence and cite in text as	C/ 1	SC	1.4	P <b>21</b>	L <b>20</b>	# I-106
SuggestedRemedy				Rolfe, B	enjamin		Blind Creek A	ssociates	
				Comme		GR	Comment Status X		
Proposed Response	Response Status <b>O</b>			of te	erms (see	IEEE Sta	term being defined in its defin andards Style Manual). This a priate in the definition of a term	also includes a l	
				00	edRemed ete definit				
					d Respor		Response Status <b>O</b>		
				1 100036	a nespor				

C/ 1 SC 1.4	P <b>21</b>	L <b>21</b>	# I-91	C/ <b>45</b>	SC 45.2.1.15	50.1	P <b>25</b>	L <b>39</b>	# I-4
Wienckowski, Natalie	None - Self-fu	nded		Ran, Adee			Cisco Syster	ns, Inc.	
Comment Type E	Comment Status X			Comment 1	ype ER	Comment S	tatus X		
redundant modulation	n								the PMA/PMD index
	after (DP-16QAM). The term is	written out befo	ore the abbreviation in ()	select a	a channel it has	not advertised i			nannel index bits that lity registers"
	t needed again after the ().			Similar	y in 45.2.1.154.	.2 for RX.			
Proposed Response	Response Status <b>O</b>			Is it ind bits?	ex ability registe	ers or channel a	bility register	s? and what are	these channel index
C/ 45 SC 45.2.1	P <b>23</b>	L <b>9</b>	# 1-93	In the b	ase standard w	/e have:			
Huber, Thomas	Nokia					channel control"			
Comment Type E	Comment Status X					al channel index			
	802.3df will be approved in 2024	1			151 TX optical 151.1 "Tx index	channel ability 1 ability" (bits)	(register)		
	······································			45.2.1.	152 "Tx optical	channel ability 2	" (register)		
SuggestedRemedy		0004		45.2.1.	152.1 "Tx index	ability" (bits)			
Change IEEE Std 80	2.3df-202x to IEEE Std 802.3df	-2024			153 "Tx optical 153.1 "Tx inde»	channel ability 3	" (register)		
Proposed Response	Response Status O				nilarly for Rx. Th				
				45.2.1.	153a "Tx optica	I frequency abilit			
 C/ 45 SC 45.2.1.0	6 P23	L <b>29</b>	# I-94	45.2.1.	157a "Rx optica	al frequency abili	ty 4"		
		L <b>29</b>	# 1-94	This is	auite confusina	, and the titles a	re not referre	ed to correctly.	
Huber, Thomas	Nokia								
Comment Type E It is now known that 8	Comment Status X 802.3df will be approved in 2024	1				register names d of "frequency		a and 45.2.1.15	7a should have
SuggestedRemedy				The tex	t should include	e "channel ability	/" when it refe	ers to the registe	ers, and "index ability"
Change IEEE Std 80	2.3df-202x to IEEE Std 802.3df	-2024		when it	refers to bits. (				h each other, but that
Proposed Response	Response Status <b>O</b>				ase standard)				
	-r			Suggestedl	-				
					1.150.1, chang				
C/ 45 SC 45.2.1.2	22 P25	L <b>4</b>	# 1-95						the PMA/PMD index nannel index bits that
Huber, Thomas	Nokia					not advertised i			
Comment Type E	Comment Status X			to					
It is now known that 8	802.3df will be approved in 2024	1							the Tx optical channel
SuggestedRemedy		2024		may igi	nore writes to th		innel index (s	ee 45.2.1.150.1	1.153a). A PMA/PMD ) that select a channe
-	2.3df-202x to IEEE Std 802.3df	-2024				•	,	0	
Proposed Response	Response Status O					e the title from "T text and table ac		quency ability 4"	to "Tx optical channe

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 45
 Page 3 of 38

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 45.2.1.150.1
 1/21/2024 8:36:24 AM

 SORT ORDER: Clause, Subclause, page, line
 SC 45.2.1.150.1
 1/21/2024 8:36:24 AM

1-5

C/ 45

SC 45.2.1.154.2

In 45.2.1.154.2, change from

"The supported channel indices of the PMA/PMD are advertised in the PMA/PMD index ability registers. A PMA/PMD may ignore writes to the PMA/PMD channel index bits that select a channel it has not advertised in the PMA/PMD channel ability registers" to

"The supported channel indices of the PMA/PMD are advertised in the Rx optical channel ability registers (see 45.2.1.155, 45.2.1.156, 45.2.1.157, and 45.2.1.157a). A PMA/PMD may ignore writes to the Rx optical channel index (see 45.2.1.154.2) that select a channel it has not advertised in the Rx optical channel ability registers".

In 45.2.1.157a, change the title from "Rx optical frequency ability 4" to "Rx optical channel ability 4". Change the text and table accordingly.

Proposed Response Response Status O

CI <b>45</b>	SC 45.2.1.151.1	P <b>25</b>	L <b>48</b>	#
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Ran, Adee

Cisco Systems, Inc.

Comment Type E Comment Status X

"For 100GBASE-ZR see Table 154–5 and for 400GBASE-ZR see Table 156–5"

It will be more future proof it these are made separate sentences, such that another PHY type can be added. It can also be made more readable.

Similarly in 45.2.1.152.1, 45.2.1.153.1, 45.2.1.155.1, 45.2.1.156.1, and 45.2.1.157.1.

Also, in the new subclauses, 45.2.1.153a and 45.2.1.157a, the last sentence does not match the text above. It would be good to align with existing text, in case an additional PHY will be use these registers.

#### SuggestedRemedy

In 45.2.1.151.1, Change the text to

"For 100GBASE-ZR, see Table 154–5. For 400GBASE-ZR, see Table 156–5" Change similarly in 45.2.1.152.1, 45.2.1.153.1, 45.2.1.155.1, 45.2.1.156.1, and 45.2.1.157.1.

Align the text in 45.2.1.153a and 45.2.1.157a with the text above with editorial license.

Proposed Response Response Status O

Ran. Adee Cisco Systems, Inc. Comment Type ER Comment Status X "For 100GBASE-ZR the specific optical frequency corresponding to each channel index number is listed in Table 154-6 and for 400GBASE-ZR the specific optical frequency corresponding to each channel index number is listed in Table 156-5" This is awkward, and doesn't match the similar text in 45.2.1.150.1, which is better. Also, the first table number is incorrect. SugaestedRemedv Change the guoted sentence to "The specific optical frequency corresponding to each channel index number is listed in Table 154-5 for 100GBASE-ZR and in Table 156-5 for 400GBASE-ZR". Proposed Response Response Status 0 C/ 45 SC 45.2.3 P30 L15 # 1-96 Huber. Thomas Nokia Comment Type E Comment Status X It is now known that 802.3df will be approved in 2024 SuggestedRemedy Change IEEE Std 802.3df-202x to IEEE Std 802.3df-2024 Proposed Response Response Status 0 C/ 45 SC 45.2.3.61.4 P32 / 15 # I-107 Blind Creek Associates Rolfe, Benjamin Comment Type ER Comment Status X " may have the option" is redundant. "may" defines an action that is optional. SuggestedRemedy Delete "have the option" Proposed Response Response Status 0

P27

L48

# 1-6

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

C/ 45 SC 45.2.3.61.4 Page 4 of 38 1/21/2024 8:36:24 AM

C/ 116 SC 116.1.2	P33	L <b>40</b>	# 1-97	C/ 116 SC 116.1.4	P35	L <b>6</b>	# <u>I-</u> 7
Huber, Thomas	Nokia			Ran, Adee	Cisco Systen	ns, Inc.	
Comment Type E It is now known that 80 SuggestedRemedy	Comment Status X 02.3df will be approved in 2024			Comment Type E Com "400GBASE-ZR optical" - the "o The word was used to split the types.			
Change IEEE Std 802	.3df-202x to IEEE Std 802.3df-	2024		SuggestedRemedy			
Proposed Response	Response Status O			Delete "optical".			
				Proposed Response Respo	onse Status <b>O</b>		
C/ 116 SC 116.1.3	P <b>34</b>	L <b>4</b>	<b>#</b> I-98				
Huber, Thomas	Nokia			C/ 116 SC 116.1.4	P <b>35</b>	L <b>9</b>	# 1-8
Comment Type E	Comment Status X			Ran, Adee	Cisco Systen	ns, Inc.	
It is now known that 80	02.3df will be approved in 2024			Comment Type TR Com	ment Status X		
SuggestedRemedy Change IEEE Std 802.	.3df-202x to IEEE Std 802.3df	2024		In a physical layer that includes must also be two 400GBASE-R	PMAs and some fla	avor of 400GAUI-	n between the
Proposed Response	Response Status <b>O</b>			Extender sublayers. Therefore, included in the table.	the corresponding c	lause and annex	es should also be
C/ <b>116</b> SC <b>116.1.4</b> Huber, Thomas	P <b>34</b> Nokia	L <b>29</b>	# [-99	The astute reader can find thes the latter table is intended to av readers have to go to that table	oid adding all these		
Comment Type E	Comment Status X			SuggestedRemedy			
51	02.3df will be approved in 2024			Add a footnote reference to the additional clauses associated w	,		able 118-b for
SuggestedRemedy Change IEEE Std 802.	.3df-202x to IEEE Std 802.3df-	2024		Proposed Response Respo	onse Status <b>O</b>		
Proposed Response	Response Status <b>O</b>						

C/ 116 SC 116.1.4

	P35	L <b>41</b>	# I-150	C/ 118	SC 118.1	P38	L <b>18</b>	# <mark>I-152</mark>
Dawe, Piers J G	NVIDIA			Dawe, Pier	s J G	NVIDIA		
Comment Type TR	Comment Status X			Comment 7	Type E	Comment Status X		
	nedium-independent means f a" - not this PMA, it is for DP-		upport the use of a			nditions for the 200GMII E ler see that clearly.	Extender and the 400	GMII Extender are
SuggestedRemedy				Suggestedl	Remedy			
	edium-independent means fo				ne tables 118-a r of rows as ea	a and 118-b into a single ta ch of these.	able with three colun	nns and the same
of physical media. Fo	r 200GBASE-R and 400GBA	SE-R, the PMA	S	Proposed F	Response	Response Status O		
For 200GBASE-R and 4	400GBASE-R, the PMA prov use of a range of physical m							
Proposed Response	Response Status <b>O</b>			C/ 118	SC 118.1	P38	L18	# <mark>I-</mark> 153
				Dawe, Pier	s J G	NVIDIA		
				Comment 1	51	Comment Status X		
C/ 116 SC 116.4	P36	L <b>31</b>	# I <u>-</u> 100			o rows of these tables are	different to the equi	valent in so many PMI
Huber, Thomas	Nokia			clauses				
Comment Type E It is now known that 802	Comment Status X 2.3df will be approved in 2024	4			,	d, and the xMII optional w	ith the usual footnot	e " behaves
SuggestedRemedy				Proposed F	, ,	Response Status <b>O</b>		
Change IEEE Std 802.3	3df-202x to IEEE Std 802.3df	-2024		Froposed F	response			
Proposed Response	Response Status <b>O</b>				SC 155	D 44	L <b>4</b>	
Proposed Response	Response Status 0			C/ 155	30 133	P <b>41</b>	<b>_</b> +	# I-154
· ·	•	/ 36	# [0	C/ <b>155</b> Dawe, Pier		NVIDIA	LŦ	# <u>I-154</u>
C/ 117 SC 117.1	P37	L36	# [-9		s J G		24	# <u>[-154</u>
C/ 117 SC 117.1 Ran, Adee	, P <b>37</b> Cisco System		# [ <u>-9</u>	Dawe, Pier Comment 1 The PC	s J G <i>Type</i> <b>TR</b> CS and PMA ar	NVIDIA Comment Status X e horribly over-complicate	ed. Way too complic	ated to be defined in t
C/ 117 SC 117.1 Ran, Adee Comment Type TR The figure title includes	P37 Cisco System <i>Comment Status</i> X the acronyms "RS" and "MII	ns, Inc. " but these do n	ot appear in the figure.	Dawe, Pier Comment 7 The PC prescri differer	s J G <i>Type</i> <b>TR</b> CS and PMA ar ption alone. So	NVIDIA Comment Status X e horribly over-complicate ome of the specification is and editorial standards. If	ed. Way too complic s by reference to othe	ated to be defined in ber documents with
Cl 117 SC 117.1 Ran, Adee Comment Type TR The figure title includes	P <b>37</b> Cisco System Comment Status X	ns, Inc. " but these do n	ot appear in the figure.	Dawe, Pier Comment 1 The PC prescri differer that Oli	s J G Type <b>TR</b> CS and PMA ar ption alone. So tt conventions F has, 3bs has	NVIDIA Comment Status X e horribly over-complicate ome of the specification is and editorial standards. If	ed. Way too complic s by reference to othe	eated to be defined in the documents with
Cl 117 SC 117.1 Ran, Adee Comment Type TR The figure title includes 200GMII and 400GMII a (see 1.4.393).	P37 Cisco System <i>Comment Status</i> X the acronyms "RS" and "MII	ns, Inc. " but these do n ch is defined spe	ot appear in the figure. ecifically in Clause 22	Dawe, Pier Comment 7 The PC prescri differer that Oll Suggested Upload	s J G Type <b>TR</b> CS and PMA ar ption alone. So tt conventions F has, 3bs has Remedy the test vector	NVIDIA Comment Status X e horribly over-complicate ome of the specification is and editorial standards. If	ed. Way too complic by reference to othe t badly needs the so	cated to be defined in b er documents with rt of digital "test vector
C/ 117 SC 117.1 Ran, Adee Comment Type TR The figure title includes 200GMII and 400GMII a (see 1.4.393). The shaded boxes are '	P37 Cisco System <i>Comment Status</i> X the acronyms "RS" and "MII are not the same as MII, whic	ns, Inc. " but these do n ch is defined spe	ot appear in the figure. ecifically in Clause 22	Dawe, Pier Comment 7 The PC prescri differer that Oll Suggested Upload	s J G <i>Type</i> <b>TR</b> CS and PMA are ption alone. So it conventions F has, 3bs has <i>Remedy</i> the test vector ent. See 802.3	NVIDIA Comment Status X e horribly over-complicate ome of the specification is and editorial standards. If , 3df has.	ed. Way too complic by reference to othe t badly needs the so	cated to be defined in b er documents with rt of digital "test vector
Ran, Adee Comment Type <b>TR</b> The figure title includes 200GMII and 400GMII a (see 1.4.393). The shaded boxes are ' SuggestedRemedy Change the title to "Relationship of the Red	P37 Cisco System <i>Comment Status</i> X the acronyms "RS" and "MII are not the same as MII, whic	us, Inc. " but these do n ch is defined spe MII", and "400GI 0GMII/400GMII t	ot appear in the figure. ecifically in Clause 22 MII". to the ISO/IEC Open	Dawe, Pier Comment 7 The PC prescri differer that Oll Suggested/ Upload docum	s J G <i>Type</i> <b>TR</b> CS and PMA are ption alone. So it conventions F has, 3bs has <i>Remedy</i> the test vector ent. See 802.3	NVIDIA Comment Status X e horribly over-complicate ome of the specification is and editorial standards. It , 3df has.	ed. Way too complic by reference to othe t badly needs the so	cated to be defined in b er documents with rt of digital "test vector

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

C/ 155 SC 155 Page 6 of 38 1/21/2024 8:36:24 AM

C/ 155 SC 155	P <b>41</b>	L <b>9</b>	# I-155	C/ 155 SC 155.2	P <b>44</b>	L <b>45</b>	# <mark>I-</mark> 151
Dawe, Piers J G	NVIDIA			Dawe, Piers J G	NVIDIA		
Comment Type E	Comment Status X			Comment Type TR	Comment Status X		
	ence or two to tell the reader 't near the beginning as they ent.			400GBASE-ZR.	BASE-R PCS. So this is not	a BASE-R PHY a	nd it cannot be called
SuggestedRemedy				SuggestedRemedy	- 70" to "40000465 7" three	und a ut	
,	o point out what is in the clau apping	se: overview, PCS, P	PMA, state diagrams,	Proposed Response	E-ZR" to "400GBASE-Z" throu Response Status <b>O</b>	ignout.	
Proposed Response	Response Status O	1					
				C/ 155 SC 155.2.	1 P43	L <b>49</b>	# <u>I-12</u>
C/ 155 SC 155.	1.1 P41	L14	# I-10	Ran, Adee	Cisco Syst	ems, Inc.	
Ran, Adee	Cisco S	vstems, Inc.		Comment Type TR	Comment Status X		
Comment Type E	Comment Status X			The 400GBASE-ZR	PCS client is almost always a	a PHY 400GXS ra	ther than the RS.
"The 400GBASE- 156.1 is an overvi anywhere else in	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the Pl	SE-ZR PHY" is not n CS).		In 802.3df, the servi additional signals th	ce interface of the 800GBASI at are used when the PCS cli grade signaling and the Signa	E-R PCS was expa ent is an Extender	anded to include <sup>-</sup> sublayer. These signals
"The 400GBASE- 156.1 is an overvi anywhere else in	ZR PHY (see 156.1)" ew subclause, and "400GBA	SE-ZR PHY" is not n CS).		In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3	ce interface of the 800GBASE at are used when the PCS cli grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in	E-R PCS was expa ent is an Extender al Detect function f 802.3df.	anded to include sublayer. These signals or optional squelching of
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri- shows the PHY.	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the Pl	SE-ZR PHY" is not n CS).		In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signa	ce interface of the 800GBASE at are used when the PCS cli- grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in Is, the PCS cannot cause the	E-R PCS was expa ent is an Extender al Detect function f 802.3df. e AUI to be squelch	anded to include sublayer. These signals or optional squelching of ned when there is no
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri- shows the PHY. SuggestedRemedy	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the Pl	SE-ZR PHY" is not n CS).		In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signa input signal. In discu	ce interface of the 800GBASE at are used when the PCS cli grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in	E-R PCS was expa ent is an Extender al Detect function f 802.3df. e AUI to be squelch ned that squelchin	anded to include sublayer. These signals or optional squelching of ned when there is no g is the preferred
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri shows the PHY. SuggestedRemedy Change the refere	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the Pl ate reference for the PHY tha	SE-ZR PHY" is not n CS). at can be used here i		In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signa input signal. In discr behavior (compared	ce interface of the 800GBASE at are used when the PCS cli- grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in ls, the PCS cannot cause the issions in 802.3df it was clain	E-R PCS was expa ent is an Extender al Detect function f 802.3df. e AUI to be squelch ned that squelchin	anded to include sublayer. These signals or optional squelching of ned when there is no g is the preferred
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri- shows the PHY. SuggestedRemedy Change the refere Proposed Response	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the Pl ate reference for the PHY that ence to Figure 156-1. <i>Response Status</i> <b>O</b>	SE-ZR PHY" is not n CS). at can be used here	is Figure 156-1, which	In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signa input signal. In discu behavior (compared behavior in optical n These signals shoul	ce interface of the 800GBASE at are used when the PCS cli grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in its, the PCS cannot cause the issions in 802.3df it was clain to the alternative, transmittin	E-R PCS was expa ent is an Extender al Detect function f 802.3df. AUI to be squelch ned that squelchin g fault order sets)	anded to include sublayer. These signals for optional squelching of ned when there is no g is the preferred , and it is the common
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri- shows the PHY. SuggestedRemedy Change the refere Proposed Response	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the Pl ate reference for the PHY that ence to Figure 156-1. <i>Response Status</i> <b>O</b> <b>1.2 P41</b>	SE-ZR PHY" is not n CS). at can be used here		In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signa input signal. In discu behavior (compared behavior in optical n These signals shoul	ce interface of the 800GBASE at are used when the PCS cli grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in ls, the PCS cannot cause the issions in 802.3df it was claim to the alternative, transmittin hodules other than ZR. d be added here too. Note that	E-R PCS was expa ent is an Extender al Detect function f 802.3df. AUI to be squelch ned that squelchin g fault order sets)	anded to include sublayer. These signals for optional squelching of ned when there is no g is the preferred , and it is the common
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri- shows the PHY. SuggestedRemedy Change the refere Proposed Response Cl 155 SC 155. Rolfe, Benjamin	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the PI ate reference for the PHY that ence to Figure 156-1. <i>Response Status</i> <b>O</b> <b>1.2 P41</b> Blind Cr	SE-ZR PHY" is not n CS). at can be used here <i>L</i> 20 eek Associates	is Figure 156-1, which	In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signal input signal. In discu behavior (compared behavior in optical n These signals shoul C2M output is alrea	ce interface of the 800GBASE at are used when the PCS cli grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in ls, the PCS cannot cause the issions in 802.3df it was claim to the alternative, transmittin hodules other than ZR. d be added here too. Note that	E-R PCS was expa ent is an Extender al Detect function f 802.3df. AUI to be squelch ned that squelchin ig fault order sets) at an option to disa	anded to include sublayer. These signals or optional squelching of ned when there is no g is the preferred , and it is the common able the 400GAUI-4
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri- shows the PHY. SuggestedRemedy Change the refere Proposed Response C/ 155 SC 155. Rolfe, Benjamin Comment Type	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the PI ate reference for the PHY that ence to Figure 156-1. <i>Response Status</i> <b>O</b> <b>1.2 P41</b> Blind Cr	SE-ZR PHY" is not n CS). at can be used here <i>L</i> 20 eek Associates	is Figure 156-1, which # [ <u>I-108</u>	In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signal input signal. In disc behavior (compared behavior in optical n These signals shoul C2M output is alrea SuggestedRemedy Rewrite this subclau	ce interface of the 800GBASE at are used when the PCS cli- grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in ls, the PCS cannot cause the issions in 802.3df it was claim to the alternative, transmittin hodules other than ZR. d be added here too. Note tha dy specified in Annex 120G.	E-R PCS was expa ent is an Extender al Detect function f 802.3df. AUI to be squelch ned that squelchin g fault order sets) at an option to disa	anded to include sublayer. These signals for optional squelching of ned when there is no g is the preferred , and it is the common able the 400GAUI-4 72.1.5.1.
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri- shows the PHY. SuggestedRemedy Change the refere Proposed Response Cl 155 SC 155. Rolfe, Benjamin Comment Type Eff "may optionally" is	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the Pl ate reference for the PHY that ence to Figure 156-1. <i>Response Status</i> <b>Q</b> <b>1.2</b> <b>P41</b> Blind Cr <b>R</b> <i>Comment Status</i> <b>X</b> is redundant. "may" defines a	SE-ZR PHY" is not n CS). at can be used here <i>L</i> 20 eek Associates	is Figure 156-1, which # [ <u>I-108</u>	In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signal input signal. In discu behavior (compared behavior in optical n These signals shoul C2M output is alrea SuggestedRemedy Rewrite this subclau Add these signals to	ce interface of the 800GBASE at are used when the PCS cli grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in its, the PCS cannot cause the issions in 802.3df it was claim to the alternative, transmittin hodules other than ZR. d be added here too. Note that dy specified in Annex 120G. se to include the additional si	E-R PCS was expa ent is an Extender al Detect function f 802.3df. AUI to be squelch ned that squelchin ig fault order sets) at an option to disa ignals defined in 1 S in 118.1.2, as do	anded to include sublayer. These signals for optional squelching of ned when there is no g is the preferred , and it is the common able the 400GAUI-4 72.1.5.1.
"The 400GBASE- 156.1 is an overvi anywhere else in An more appropri- shows the PHY. SuggestedRemedy Change the refere Proposed Response Cl 155 SC 155. Rolfe, Benjamin Comment Type EF "may optionally" is SuggestedRemedy	ZR PHY (see 156.1)" ew subclause, and "400GBA clause 156 (except for the Pl ate reference for the PHY that ence to Figure 156-1. <i>Response Status</i> <b>Q</b> <b>1.2</b> <b>P41</b> Blind Cr <b>R</b> <i>Comment Status</i> <b>X</b> is redundant. "may" defines a	SE-ZR PHY" is not n CS). at can be used here <i>L</i> 20 eek Associates an optional action or b	is Figure 156-1, which # [ <u>I-108</u>	In 802.3df, the servi additional signals th support the FEC de the AUIs. See 171.3 Without these signal input signal. In discu behavior (compared behavior in optical n These signals shoul C2M output is alrea SuggestedRemedy Rewrite this subclau Add these signals to	ce interface of the 800GBASE at are used when the PCS cli grade signaling and the Signa .2, 172.1.5.1, and 173.5.8 in ls, the PCS cannot cause the issions in 802.3df it was claim to the alternative, transmittin hodules other than ZR. d be added here too. Note that dy specified in Annex 120G. se to include the additional si the interfaces of the PHY XS status indication via the AUIs	E-R PCS was expa ent is an Extender al Detect function f 802.3df. AUI to be squelch ned that squelchin ig fault order sets) at an option to disa ignals defined in 1 S in 118.1.2, as do	anded to include sublayer. These signals for optional squelching of ned when there is no g is the preferred , and it is the common able the 400GAUI-4 72.1.5.1.

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

C/ 155 SC 155.2.1

CI 155 SC 155.2.	2 <i>P</i> 44	L <b>48</b>	# I-156	C/ 155 SC 155.2.	2 P45	L17	# I-15
Dawe, Piers J G	NVIDIA			Ran, Adee	Cisco Syster	ms, Inc.	
Comment Type ER PMA_IS_UNITDAT/	Comment Status X A.request			Comment Type E "operates in normal	Comment Status X mode or test-pattern mode" - n	nissing "either".	
But if these primitive	al 400G style primitives, change as are not like the ones describe s and change their names to PM cument.	d in 80.3.1, add	the usual text	SuggestedRemedy change to "operates Proposed Response	s in either normal mode or test- Response Status <b>O</b>	pattern mode"	
Proposed Response	Response Status O			C/ 155 SC 155.2.	2 P45	L <b>27</b>	# <u>I-120</u>
				Maniloff, Eric	Ciena Corpo	oration	
C/ 155 SC 155.2.	2 P <b>45</b>	L10	# <u>I-14</u>	Comment Type E	Comment Status X		
Ran, Adee	Cisco System	ns, Inc.		The sentence refers	to an outer FEC, it should clar	ify that the SD F	EC is an inner FEC
Comment Type E "155.3.2.1" is not ar Also, "155.3.2.2.1" SuggestedRemedy Make them active.	Comment Status X a active cross reference. on line 13.			SuggestedRemedy Change "and a SD-I Proposed Response	FEC" to "and an inner SD-FEC' <i>Response Status</i> <b>O</b>		
Proposed Response	Response Status <b>O</b>			C/ 155 SC 155.2.	3 P45	L <b>50</b>	# I-157
Toposeu Response				Dawe, Piers J G	NVIDIA		
C/ <b>155</b> SC <b>155.2.</b> Ran, Adee	2 P45 Cisco System	L <b>12</b> ns. Inc.	# <u>1-13</u>		Comment Status X ocks" is copied from 802.3ae wh FEC input blocks or multi-blocks		
Comment Type E "128 x m bit" is a co	Comment Status X			SuggestedRemedy	ge it to "Use of 66-bit blocks"		-
SuggestedRemedy Change to "128xm-l	pit" (x being a multiplication sign	)		Proposed Response	Response Status O		
Proposed Response	Response Status <b>O</b>						
	-						

C/ 155 SC 155.2.3

C/ 155 SC 155.2.5.3 P47 L2 # 1-137	C/ 155 SC 155.2.5.4.1 P48 L1 # 1-48
Ife, Benjamin Blind Creek Associates	Bruckman, Leon Huawei
mment Type         TR         Comment Status         X           "A 20-bit pad of all zeros is added after the OH field. This ensures that the payload is         Image: Comment Status         X	Comment Type E Comment Status X Avoid breaking "post-FEC" to the next line
aligned on 257- bit boundaries." In the frontmatter it clearly states, multiple times, that IEEE standards can not (are not allowed to) ensure.	SuggestedRemedy Make "post-FEC" unbreakable
uggestedRemedy	Proposed Response Response Status <b>O</b>
change to "A 20-bit pad of all zeros is added after the OH field so that the payload is aligned on 257- bit boundaries."	C/ 155 SC 155.2.5.4.1 P48 L3 # 1-17
oposed Response Response Status <b>O</b>	Ran, Adee Cisco Systems, Inc.
	Comment Type ER Comment Status X
155 SC 155.2.5.3 P47 L17 # ⊪-16	"(SC-FEC being already 10 970-bit row aligned)"
155         SC 155.2.5.3         P47         L17         # [-16           an, Adee         Cisco Systems, Inc.	The combination of space separator and compound adjective is confusing and it tal
omment Type ER Comment Status X	some time to interpret.
"This results in between approximately 10 214.7 and 10 217.1 GMP words"	Thousands separators should be used to improve readability, but here they don't.
	Thousands separators should be used to improve readability, but here they don't. <i>SuggestedRemedy</i>
"This results in between approximately 10 214.7 and 10 217.1 GMP words" The combination of spaces and decimal fractions is confusing and it takes some time to interpret.	
The combination of spaces and decimal fractions is confusing and it takes some time to	SuggestedRemedy
The combination of spaces and decimal fractions is confusing and it takes some time to interpret.	SuggestedRemedy Change to "(SC-FEC being already 10970-bit row aligned)".
The combination of spaces and decimal fractions is confusing and it takes some time to interpret. Thousands separators should be used to improve readability, but here they don't.	SuggestedRemedy Change to "(SC-FEC being already 10970-bit row aligned)".
The combination of spaces and decimal fractions is confusing and it takes some time to interpret. Thousands separators should be used to improve readability, but here they don't. Note that in this paragraph there are several other numbers with more than 4 digits that do	SuggestedRemedy Change to "(SC-FEC being already 10970-bit row aligned)". Proposed Response Response Status <b>O</b>
The combination of spaces and decimal fractions is confusing and it takes some time to interpret. Thousands separators should be used to improve readability, but here they don't. Note that in this paragraph there are several other numbers with more than 4 digits that do not use space separators.	SuggestedRemedy         Change to "(SC-FEC being already 10970-bit row aligned)".         Proposed Response       Response Status O         Cl 155       SC 155.2.5.5       P48       L14       # 1-18
The combination of spaces and decimal fractions is confusing and it takes some time to interpret. Thousands separators should be used to improve readability, but here they don't. Note that in this paragraph there are several other numbers with more than 4 digits that do not use space separators. At an alternative to the proposed change, the fraction can be removed, making the sentence "This results in between 10 214 and 10 218 GMP words" which would be correct and readable. <i>uggestedRemedy</i>	SuggestedRemedy         Change to "(SC-FEC being already 10970-bit row aligned)".         Proposed Response       Response Status O         CI 155       SC 155.2.5.5       P48       L14       # I-18         Ran, Adee       Cisco Systems, Inc.         Comment Type       E       Comment Status X         "subclause 8.8 of OIF-400ZR-02.0"
The combination of spaces and decimal fractions is confusing and it takes some time to interpret. Thousands separators should be used to improve readability, but here they don't. Note that in this paragraph there are several other numbers with more than 4 digits that do not use space separators. At an alternative to the proposed change, the fraction can be removed, making the sentence "This results in between 10 214 and 10 218 GMP words" which would be correct and readable. <i>IggestedRemedy</i> Change to "This results in between approximately 10214.7 and 10217.1 GMP words"	SuggestedRemedy         Change to "(SC-FEC being already 10970-bit row aligned)".         Proposed Response       Response Status O         Cl 155       SC 155.2.5.5       P48       L14       # [-18]         Ran, Adee       Cisco Systems, Inc.         Comment Type       E       Comment Status X
The combination of spaces and decimal fractions is confusing and it takes some time to interpret. Thousands separators should be used to improve readability, but here they don't. Note that in this paragraph there are several other numbers with more than 4 digits that do not use space separators. At an alternative to the proposed change, the fraction can be removed, making the sentence "This results in between 10 214 and 10 218 GMP words" which would be correct and readable. <i>IggestedRemedy</i> Change to "This results in between approximately 10214.7 and 10217.1 GMP words"	SuggestedRemedy         Change to "(SC-FEC being already 10970-bit row aligned)".         Proposed Response       Response Status O         Cl 155       SC 155.2.5.5       P48       L14       # 1-18         Ran, Adee       Cisco Systems, Inc.         Comment Type       E       Comment Status X       "subclause 8.8 of OIF-400ZR-02.0"         OIF document subdivisions are usually referred to as section, rather than
The combination of spaces and decimal fractions is confusing and it takes some time to interpret. Thousands separators should be used to improve readability, but here they don't. Note that in this paragraph there are several other numbers with more than 4 digits that do not use space separators. At an alternative to the proposed change, the fraction can be removed, making the sentence "This results in between 10 214 and 10 218 GMP words" which would be correct and readable. <i>IggestedRemedy</i> Change to "This results in between approximately 10214.7 and 10217.1 GMP words"	SuggestedRemedy         Change to "(SC-FEC being already 10970-bit row aligned)".         Proposed Response       Response Status O         C/ 155       SC 155.2.5.5       P48       L14       # 1-18         Ran, Adee       Cisco Systems, Inc.         Comment Type       E       Comment Status X       "subclause 8.8 of OIF-400ZR-02.0"         OIF document subdivisions are usually referred to as section, rather than clauses/subclauses.       OIF document subdivisions are usually referred to as section.
The combination of spaces and decimal fractions is confusing and it takes some time to interpret. Thousands separators should be used to improve readability, but here they don't. Note that in this paragraph there are several other numbers with more than 4 digits that do not use space separators. At an alternative to the proposed change, the fraction can be removed, making the sentence "This results in between 10 214 and 10 218 GMP words" which would be correct and readable. <i>uggestedRemedy</i> Change to "This results in between approximately 10214.7 and 10217.1 GMP words"	SuggestedRemedy         Change to "(SC-FEC being already 10970-bit row aligned)".         Proposed Response       Response Status O         Cl 155       SC 155.2.5.5       P48       L14       # [-18]         Ran, Adee       Cisco Systems, Inc.         Comment Type       E       Comment Status X         "subclause 8.8 of OIF-400ZR-02.0"       OIF document subdivisions are usually referred to as section, rather than clauses/subclauses.         Also in 155.2.5.5.3 and perhaps other places.

C/ 155 SC 155.2.5.5

Cl 195       SC 195.2.5.5       P48       L14       # 49         Cl 195       SC 195.2.5.5       P48       L14       # 49         Bruckman, Leon       Huawei       Bruckman, Leon       Huawei         Comment Type T       Comment Type T       Comment Type T       Comment Type T         Consistent with the description in subclause 8.8 of OIF-400ZR-02.0.* to: "to be consistent with the description in subclause 8.8 of OIF-400ZR-02.0." to: "Refer to subclause 8.8 of OIF-400ZR-02.0"         Proposed Response       Response Status O         C1 155       SC 155.2.5.1       P48       L39       # 101         Huber, Thomas       Nokia       Comment Type T       Comment Type T </th <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th> <th></th> <th></th>					-				
Comment Type T Comment Status X Update OIF reference. SuggestedRemedy C1 155 SC 155.2.5.1 P48 L39 # 101 Huber, Thomas Nokia Comment Type T Comment Status X While the description in subclause 8.8 of OIF-400ZR-02.0* to: "Refer to subclause 8.9 of OIF-400ZR-02.0" to: "Refer to subclause 8.9 of OIF-400ZR	C/ 155 SC 155.2	2.5.5 P48	L <b>14</b>	# 1-49	C/ 155 SC 155	.2.5.5.3	P <b>49</b>	L <b>32</b>	# 1-50
Update OIF reference.         SuggestedRemedy         Change: To be consistent with the description in subclauses 8.8 of OIF-400ZR-02.0 ° to: "to be consistent with the description in subclauses 8.8.3, 8.7, 8.8.2 and 8.9.2 of OIF-400ZR-02.0 ° to: "Refer to subclause 8.9 of OIF-400ZR-02.0 °         20.0°       Proposed Response       Response Status O         C/ 155       SC 155.2.5.1       P48       L39       # 100         Fubber, Thomas       Nokia       O       Cisco Systems, Inc.         Comment Status X       While the description of the MFAS here is correct, it might be helpful to explicitly state that only the two.158s are actually used in this application to form a four-frame multiframe lengths up to 256, 4002R-52.7 uses only the four-frame multiframe as provided by the two LSBs of the MFAS counter".       Thousands separators should be used to improve readability, but here they dont.         Zis 60 Stst.2.5.1       P49       L5       # 199         Comment Type       TR       Comment Status X         "StAT-cbs = FEC_degraded_SER + rx_local_degraded"       The "*" seems to denote a logical-or operation, but it is not stated anywhere.         The '*' seems to denote a logical-or operation, but it is not stated anywhere.       The '*' seems to denote a logical-or operation, but it is not stated anywhere.	3ruckman, Leon	Huawei			Bruckman, Leon		Huawei		
Change: "to be consistent with the description in subclause 8.8 of OIF-400ZR-02.0" to: "to be consistent with the description in subclause 8.8 of OIF-400ZR-02.0" to: "Refer to subclause 8.9 of OIF-400ZR-02.0" to: "Refer to subclause 8.9 of OIF-400ZR-02.0" to: "Refer to subclause 8.8 of OIF 400ZR-02.0" to: "Refer to subclause 8.8 of OIF 400ZR-02.0" to: "Refer to subclause 8.9 of OIF-400ZR-02.0" to: "Refer to subclause 8.9 of OIF-400ZR-02.0" to: "Refer to subclause 8.8 of OIF 400ZR-02.0"         Proposed Response       Response Status O         CI 155       SC 155.2.5.1       P48       L39       # 101         Huber, Thomas       Nokia       Comment Type T       Comment Status X       Comment Type T       Comment Type T       Comment Status X       "Each SC-FEC input block has 119 × 10 280 / 5 bits = 244 664 information bits"         SuggestedRemedy       Add a sentence at the end of the clause: "While MFAS supports multiframe lengths up to to the MFAS counter".       Thousands separators should be used to improve readability, but here they don't.         C1 155       SC 155.2.5.2       P49       L5       # 199         C1 155       SC 155.2.5.2       P49       L5       # 199         Camment Type TR       Comment Status X       SuggestedRemedy         Add a sentence at the end of the clause X       "STAT<6> FEC degraded_SER + rx_local_degraded"       The **' seems to denote a logical-or operation, but it is not stated anywhere.         This has been clarified in 802.3df, e.g. 171.6.1       SuggestedRemedy	51				21		ent Status X		
Proposed Response       Response Status       O         Cl 155       SC 155.2.5.1       P48       L39       # 101         Huber, Thomas       Nokia       Cl 105       SC 155.2.5.6       P50       L28       # 120         While the description of the MFAS here is correct, it might be helpful to explicitly state that only the two LSBs are actually used in this application to form a four-frame multiframe.       SuggestedRemedy       Cl 155       SC 155.2.5.6       P50       L28       # 120         Add a sentence at the end of the clause:       While the full to explicitly state that only the two LSBs of the MFAS reuses only the four-frame multiframe sensorided by the two LSBs of the MFAS counter'.       Thousands separators inside a mathematical expression is confusing and it takes sor time to interpret.         Ran, Adee       Cisco Systems, Inc.       Comment Status X         Cl 155       SC 155.2.5.2       P49       L5       # 19         Cl 155       SC 155.2.5.2       P49       L5       # 19         Ran, Adee       Cisco Systems, Inc.       SuggestedRemedy       Change to "Each SC-FEC input block has 119×10280/5 = 244664 information bits"         Ran, Adee       Cisco Systems, Inc.       Comment Status X       SuggestedRemedy       Change to "Each SC-FEC input block has 119×10280/5 = 244664 information bits"         Ran, Adee       Cisco Systems, Inc.       Comment Status X	Change: "to be con be consistent with t				Change: "Refer t	o subclause 8.9	of OIF-400ZR-02.	.0" to: "Refer to su	ubclause 8.8 of OIF-
Cl 155       SC 155.2.5.1       P48       L39       # 101         Huber, Thomas       Nokia         Comment Type       T       Comment Status X       Comment Status X         While the description of the MFAS here is correct, it might be helpful to explicitly state that only the two LSBs are actually used in this application to form a four-frame multiframe.       SuggestedRemedy         Add a sentence at the end of the clause: "While MFAS supports multiframe lengths up to 266, 400GBASE_ZR uses only the four-frame multiframe as provided by the two LSBs of the MFAS counter".       Thousands separators should be used to improve readability, but here they don't.         Proposed Response       Response Status O       Also, "bits" is repeated twice, which is again confusing.         Also, having so many spaces in the expression isn't helpful.       SuggestedRemedy         Cl 155       SC 155.2.5.2       P49       L5       # 19         Ran, Adee       Cisco Systems, Inc.       SuggestedRemedy       Change to Teach SC-FEC input block has 119×10280/5 = 244664 information bits"         Ran, Adee       Cisco Systems, Inc.       SuggestedRemedy       Also, "bits" is repeated twice, which is again confusing.         Ran, Adee       Cisco Systems, Inc.       SuggestedRemedy       Change to Teach SC-FEC input block has 119×10280/5 = 244664 information bits"         Rish as been clarified in 802.3df, e.g. 171.6.1       SuggestedRemedy       Ada a paragraph after this		Response Status O			Proposed Response	Respor	nse Status <b>O</b>		
Huber, Thomas       Nokia         Comment Type       T       Comment Status X         While the description of the MFAS here is correct, it might be helpful to explicitly state that only the two LSBs are actually used in this application to form a four-frame multiframe.       Comment Type       ER       Comment Status X         SuggestedRemedy       Add a sentence at the end of the clause: "While MFAS supports multiframe lengths up to 256, 400GBASE-ZR uses only the four-frame multiframe as provided by the two LSBs of the MFAS counter".       Thousands separators inside a mathematical expression is confusing and it takes sort time to interpret.         Proposed Response       Response Status       O         C1       TSS X-FS2       P49       L5       # [-19]         Ran, Adee       Cisco Systems, Inc.       Comment Type TR       Comment Status X         "STAT-FS> = FEC_degraded_SEE+rx_local degraded"       The '+'' seems to denote a logical-or operation, but it is not stated anywhere.       This has been clarified in 802.3df, e.g. 171.6.1         SuggestedRemedy       Add a paragraph after this definition of STAT<7> (line 7):       "Where + denotes logical OR".       O					C/ 155 SC 155	.2.5.6	P <b>50</b>	L <b>28</b>	# I-20
Comment Type       T       Comment Status X         While the description of the MFAS here is correct, it might be helpful to explicitly state that only the two LSBs are actually used in this application to form a four-frame multiframe.       Suggested/Remedy         Add a sentence at the end of the clause: "While MFAS supports multiframe lengths up to 256, 400GBASE-ZR uses only the four-frame multiframe as provided by the two LSBs of the MFAS counter".       Use of space separators should be used to improve readability, but here they don't.         Proposed Response       Response Status O       Thousands separators should be used to improve readability, but here they don't.         Cl 155       SC 155.2.5.2       P49       L5       # [-19]         Ran, Adee       Cisco Systems, Inc.       Suggested/Remedy         Change to "Each SC-FEC input block has 119×10280/5 = 244664 information bits"       Now space separators should be used to improve readability.         "STAT<6> = FEC_degraded_SER + rx_local_degraded"       The "+" seems to denote a logical-or operation, but it is not stated anywhere.       This has been clarified in 802.3df, e.g. 171.6.1         Suggested/Remedy       Add a paragraph after this definition of STAT<7> (line 7):       "Where + denotes logical OR".			L <b>39</b>	# [-101	Ran, Adee		Cisco Syster	ms, Inc.	
While the description of the MFAS here is correct, it might be helpful to explicitly state that only the two LSBs are actually used in this application to form a four-frame multiframe.       SuggestedRemedy         Add a sentence at the end of the clause: "While MFAS supports multiframe lengths up to 256, 400GBASE-ZR uses only the four-frame multiframe as provided by the two LSBs of the MFAS counter".       Use of space separators inside a mathematical expression is confusing and it takes sor time to interpret.         Proposed Response       Response Status       O	,				Comment Type E	R Comm	ent Status X		
only the two LSBs are actually used in this application to form a four-frame multiframe. SuggestedRemedy Add a sentence at the end of the clause: "While MFAS supports multiframe lengths up to 256, 400GBASE-ZR uses only the four-frame multiframe as provided by the two LSBs of the MFAS counter". Proposed Response Response Status <b>O</b> C/ 155 SC 155.2.5.2 P49 L5 # [:19] Ran, Adee Cisco Systems, Inc. Comment Type TR Comment Status X "STAT<6> = FEC_degraded_SER + rx_local_degraded" The "+" seems to denote a logical-or operation, but it is not stated anywhere. This has been clarified in 802.3df, e.g. 171.6.1 SuggestedRemedy Add a paragraph after this definition of STAT<7> (line 7): "Where + denotes logical OR".	51				"Each SC-FEC ir	put block has 1	19 × 10 280 / 5 bit	s = 244 664 infor	mation bits"
256, 400GBASE-ZR uses only the four-frame multiframe as provided by the two LSBs of the MFAS counter".       Also, "bits" is repeated twice, which is again confusing.         Proposed Response       Response Status       O	SuggestedRemedy				time to interpret.		·		0
Proposed Response       Response Status       O         Image: Cl 155       SC 155.2.5.2       P49       L5       # 19         Ran, Adee       Cisco Systems, Inc.       SuggestedRemedy       Change to "Each SC-FEC input block has 119×10280/5 = 244664 information bits"         Comment Type       TR       Comment Status X       "STAT<6> = FEC_degraded_SER + rx_local_degraded"       The "+" seems to denote a logical-or operation, but it is not stated anywhere.       This has been clarified in 802.3df, e.g. 171.6.1         SuggestedRemedy       Add a paragraph after this definition of STAT<7> (line 7):       "Where + denotes logical OR".			rame as provide	d by the two LSBs of					5
Cl 155 SC 155.2.5.2 P49 L5 # 19 Change to "Each SC-FEC input block has 119×10280/5 = 244664 information bits" Ran, Adee Cisco Systems, Inc. Proposed Response Response Status O Comment Type TR Comment Status X "STAT<6> = FEC_degraded_SER + rx_local_degraded" The "+" seems to denote a logical-or operation, but it is not stated anywhere. This has been clarified in 802.3df, e.g. 171.6.1 SuggestedRemedy Add a paragraph after this definition of STAT<7> (line 7): "Where + denotes logical OR".	Proposed Response	Response Status <b>O</b>			Also, having so r		Ū	0	
Comment Type TR Comment Status X "STAT<6> = FEC_degraded_SER + rx_local_degraded" The "+" seems to denote a logical-or operation, but it is not stated anywhere. This has been clarified in 802.3df, e.g. 171.6.1 SuggestedRemedy Add a paragraph after this definition of STAT<7> (line 7): "Where + denotes logical OR".	C/ 155 SC 155.2	2.5.5.2 P49	L <b>5</b>	# I-19	,	SC-FEC input	block has 119×10	280/5 = 244664 ir	nformation bits"
"STAT "STAT "STAT "STAT "STAT "Stat 	Ran, Adee	Cisco Systen	ns, Inc.		Proposed Response	Respor	ise Status <b>O</b>		
The "+" seems to denote a logical-or operation, but it is not stated anywhere. This has been clarified in 802.3df, e.g. 171.6.1 SuggestedRemedy Add a paragraph after this definition of STAT<7> (line 7): "Where + denotes logical OR".	Comment Type TR	Comment Status X				,			
SuggestedRemedy Add a paragraph after this definition of STAT<7> (line 7): "Where + denotes logical OR".				nywhere.					
Add a paragraph after this definition of STAT<7> (line 7): "Where + denotes logical OR".	This has been clari	fied in 802.3df, e.g. 171.6.1							
"Where + denotes logical OR".	SuggestedRemedy								
	Add a paragraph af	fter this definition of STAT<7> (li	ne 7):						
Proposed Response Response Status O	"Where + denotes	logical OR".							
	Proposed Response	Response Status <b>O</b>							

C/ 155 SC 155.2.5.6

C/ 155	SC 155.2.5.7	P50	L <b>51</b>	# I-21	C/ 155	SC 155.2.5.	7 P50	L <b>54</b>	# I-92
Ran, Adee	e	Cisco System	ns, Inc.		Wienckow	ski, Natalie	None - Self-	funded	
<i>Comment</i> ∥shall		Comment Status X 8 x (11 x 2560 + 1 x 2432) bit	ts, i.e. 8 x 30 59	2 bits = 244 736 bits"	Comment Incorre	<i>Type</i> <b>E</b> ect article	Comment Status X		
	f space separator o interpret.	rs inside a mathematical exp	ression is confu	sing and it takes some	Suggested Chang	<i>IRemedy</i> je: a input			
Thous	ands separators	should be used to improve re	eadability, but he	ere they don't.	To: an	input			
		ed to say that things are equa atical expression.	al, but there is a	more common way to	Proposed	Response	Response Status <b>O</b>		
Also, ł	having so many s	spaces in the expression isn't	helpful.		C/ 155	SC 155.2.5.	7 <i>P</i> 51	L <b>2</b>	# <u>I-</u> 26
Simila	rly, in 155.2.5.7,				Ran, Adee	9	Cisco Syste	ms, Inc.	
Suggestea	•				Comment	51	Comment Status X		
Chang	•				"The 3	4-bit of addition	nal pad is not transmitted" do	esn't make sense	Э.
	,	8x(11x2560 + 1x2432) = 8x30	0592 = 244736 k	bits"	Suggested	,			
Proposed	Response	Response Status <b>O</b>			"The 3	4-bit additional	pad is not transmitted"		
					Proposed	Response	Response Status O		
C/ 155	SC 155.2.5.7	P <b>50</b>	L <b>54</b>	# I-25					
Ran, Adee	e	Cisco System	ns, Inc.		C/ 155	SC 155.2.5.	7 <i>P</i> 51	L <b>2</b>	# I-51
Comment	Type <b>TR</b>	Comment Status X			Bruckman	, Leon	Huawei		
		es a input block to the SC-FE		ed by information bits	Comment	Туре Т	Comment Status X		
from 1	19 / 5 rows of the	e 400GBASE-ZR PCS frame	. plus ()"				32 and MBAS fields are trans		
119/5	is not an integer,	, and it is unclear how a non-i	integer number o	of rows is shown.	remov	ed from the SC-	be made clearer by specifical -FEC frames information bits		
This sl	hould be clarified	l; If my suggestion isn't corre	ct, something els	se should be done.		h parity block			
Suggestea	Remedy				Suggested	,	and MDAC fields and transmission		f angle wowlder block" to
Chang	,						and MBAS fields are transm n, the CRC32 and MBAS fiel		
		es a input block to the SC-FE ne 400GBASE-ZR PCS frame		ed by 244664	FEC f		on bits columns; instead, the		
<b>D</b> (	-								

Proposed Response Response S

Response Status 0

Proposed Response Response Status **O** 

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

C/ 155 SC 155.2.5.7 Page 11 of 38 1/21/2024 8:36:25 AM

C/ 155 SC 155.2.	5.7 <i>P</i> 51	L <b>9</b>	# I-52	C/ 155	SC 155.2.5	5.8	P <b>53</b>	L <b>3</b>	# I-28
Bruckman, Leon	Huawei			Ran, Adee			Cisco Syster	ms, Inc.	
Comment Type <b>T</b>	Comment Status X			Comment T	ype E	Comment	Status X		
	rity bits are mapped into col 155-8 shows that the MBAS 0 969.				•				19 rows x 10 970 bits" takes some time to
SuggestedRemedy				interpre	t.		·	Ū.	
Change: "while parit	y bits are mapped into colur are mapped into columns 10		9" to: "while parity bits,	Thousa	nds separato	rs should be use	d to improve r	readability, but he	re they don't.
Proposed Response	Response Status O			This se	ntence can be	e made easier to	understand.		
				SuggestedF	Remedy				
		1.0	#	Change	to "6x119=7	14 pad bits of ze	ros shall be a	dded after 119 rov	ws of 10970 bits"
C/ 155 SC 155.2.		L <b>3</b>	# I-27	Proposed R	esponse	Response S	Status <b>O</b>		
Ran, Adee	· · · · · · · · · · · · · · · · · · ·	stems, Inc.							
Comment Type E	Comment Status X		In the Cost ways the	C/ 155	SC 155.2.5		P53	L30	# 450
	nsistent in usage of space s 10969 do not use space se					0.11		L30	# I-158
384) have them.	·····	r		Dawe, Piers		0			
Thousands separate	ors should be used to improv	ve readability, but be	re they don't	Comment T		Comment		ionorio" is not and	d enough. 400ZR
SuggestedRemedy		o roudubility, but he				is less than a pa		Jenenic is not goo	
	rators from all numbers in t	his figure		SuggestedF	Remedy				
Proposed Response	Response Status <b>O</b>			Delete ' D." and	The generic of write out the	operation of the definition of this	Hamming enc Hamming SD	oder is specified i FEC encoder he	n ITU-T G.709.3 Anne re.
				Proposed R	esponse	Response S	Status <b>O</b>		
C/ 155 SC 155.2.	5.7 P58	L <b>48</b>	# 1-2						
Furner, Michelle	Editorial 0	Coordination		C/ 155	SC 155.2.5	5.11	P53	L30	# 1-29
Comment Type TR	Comment Status X			Ran, Adee			Cisco Syster		
	ed however it does not appe			Comment T	vpe ER	Comment	-	no, mo.	
clause?	er amendments already? Sh	iouid it be added to	ine normative reference					specified in ITU-1	G.709.3 Annex D"
SuggestedRemedy				-			-		
						n the reference is	s quite specific	C.	
				SuggestedF	-				
Proposed Response	Response Status n								
Proposed Response	Response Status <b>O</b>			Delete '	'generic".				

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

C/ 155 SC 155.2.5.11 Page 12 of 38 1/21/2024 8:36:25 AM

C/ 155 SC 155.2.5.1	2 <i>P</i> 54	L11	# I-30	C/ 155	SC 155.2.6.	5	P <b>55</b>	L <b>37</b>	# I-118
Ran, Adee	Cisco Systems	s, Inc.		Rolfe, Ber	njamin		Blind Creek	Associates	
Comment Type ER Several numbers used takes some time to inte	Comment Status X as indexes in Figure 155–9 co erpret.	ontain spaces. <sup>-</sup>	This is confusing and	Comment "may o Suggested	optionally" is red	Comment - ludnat. "may" m		l.	
Thousands separators	should be used to improve rea	adability, but he	re they don't.		e "optionally"				
SuggestedRemedy Remove all spaces with	hin numbers in this figure.	-		Proposed	Response	Response S	Status <b>O</b>		
Proposed Response	Response Status O			C/ 155	SC 155.2.6.	6	P <b>56</b>	L <b>4</b>	# 1-32
				Ran, Adee	e		Cisco Syster	ns, Inc.	
C/ 155 SC 155.2.6.1	P55	L <b>5</b>	# I-31	Comment	Type ER	Comment	Status X		
Ran, Adee	Cisco Systems	s, Inc.			of 30 592 x 8 bi				
Comment Type TR	Comment Status X				ccurs here and i			expressions are lraft	distracting.
"The Hamming decode codeword" I assume one block pe	r shall extract 119-bit blocks f r codeword?	rom an incomin	g 128-bit SD-FEC	Suggested	Remedy				multiple instances in
SuggestedRemedy				155.2.	6.6 and 155.2.6	.7, and in other	places in the	draft as necessa	iry
Change to	r shall extract a 119-bit block	from each incor	ning 128-bit SD-FEC	Proposed	Response	Response S	Status <b>O</b>		
Proposed Response	Response Status <b>O</b>			C/ 155	SC 155.2.6.	7.2	P <b>56</b>	L <b>36</b>	# I <u>-</u> 135
	,			Rolfe, Ber	njamin		Blind Creek	Associates	
	P <b>55</b> Huawei Comment Status <b>X</b> nvolutional interleaver, also pro	L19	# [ <u>1-53</u> rence to the interleaver	what i conter to the	xactly is "shall b s observed while nt observed in th higher layer? A	e monitoring? e ne monitored ST as input to some	erified? Is the e.g. actions as FAT field? Or r MAC function	sociated with de making of the ob	hat would result from tection of specific served content available ).
section SuggestedRemedy				Suggested	•				
Change: "shall perform	the reverse function of the int tional interleaver (see 155.2.5		nall perform the reverse	Proposed	ge "shall" to "is". <i>Response</i>	Response S	Status <b>O</b>		
Proposed Response	Response Status O								

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

C/ 155 SC 155.2.6.7.2 Page 13 of 38 1/21/2024 8:36:25 AM

					-	-			
CI 155	SC 155.2.6.7	.2 P56	L <b>40</b>	# I-109	C/ 155	SC 155.3.1.3	P58	L <b>16</b>	# <u>1</u> -55
Rolfe, Be	njamin	Blind Creek	Associates		Bruckmar	, Leon	Huawei		
Comment	Туре Е	Comment Status X			Comment	Туре Е	Comment Status X		
,	optionally" is redu ement that is opti	idnat (and sloppy useof norr onal	native language).	"may" defines a	The p	unctuation of this	s sentece (ennumerated as "g	l" in the list) is o	dd
•	dRemedy				Suggested	•			
	e "optionally"						tion to the FAW followed by:		
							evaluation and compensation evaluation and compensation		
Proposed	Response	Response Status O				ensation"		, and peranzane.	
					Proposed	Response	Response Status O		
C/ 155	SC 155.2.6.7	.2 <i>P</i> 56	L <b>48</b>	<b>#</b> I-54					
Bruckma	n, Leon	Huawei			C/ 155	SC 155.3.1.3	B P58	L17	# I-103
Comment	Type E	Comment Status X			Huber, Th	omas	Nokia		
Wron	g capitalization of	the word "FALSE"			Comment		Comment Status X		
Suggeste	dRemedy					51	n q) seems a bit odd. There is	s a colon after th	e first phrase which
Chan	ge capitlized "FAL	SE" to small caps "false"					a list of processes that occu		
Proposed	Response	Response Status <b>O</b>					elements in the list that are		
,					norma comm		e used as a list separator if th	e individual item	s in the list used
C/ 155	SC 155.2.6.8	P <b>57</b>	L <b>8</b>	# I-102	Suggested	IRemedy			
Huber, Th	nomas	Nokia					ion to the FAW followed by: I evaluation and compensation		tion and compensation;
Comment		Comment Status X			to	Danzation onset	evaluation and compensation	1.	
The d	escrption of the e	rror mitigation techniques co iding the use of the word 'co				hronization to the evaluation and c	e FAW, I-Q offset evaluation a compensation."	and compensation	on, and polarization
		need to be combined with ea			Proposed	Response	Response Status 0		
Suggeste	dRemedy								
fields for inc	might change in s dicating these cha	field information is also prot successive multi-frames (se inges, which combine with th	e Table 155–1) a ne CRC8 in JC3 a	nd the coding technique and the CRC4 in JC6 to					
provid to	e error correction	capability for bit and burst e	errors impacting						

"The JC1-JC2 field information is also protected by limits on how the JC1-JC2 fields might change in successive multi-frames (see Table 155–1). The coding technique for indicating these changes, along with the CRC8 in JC3 and the CRC4 in JC6, provide error correction capability for bit and burst errors impacting JC1-JC6."

Proposed Response Response Status **O** 

C/ 155 SC 155.3.1.3

C/ <b>155</b>	SC 155.3	.2	P <b>59</b>	L <b>50</b>	# I-159	C/ 155	SC 155.3.2	.3.1	P <b>61</b>	L <b>17</b>	# I-161
)awe, Pi	ers J G		NVIDIA			Dawe, Pie	rs J G		NVIDIA		
comment	•••		ent Status X			Comment	51		t Status 🗙		
PMA PMA these PMA as we	_IS_UNITDAT IS_UNITDAT primitives are _IS_UNITDAT know them f	A.request for A.request as d specific to thi A.request and om 40, 100, 2	is clause, but the n	the normal 400G but the subsectior names are a mixtu .request. They ar rnet.	ns below show that	the 400 155.3.3 PMD_I all 400 So acc	0GBASE-ZR F 3.2.5 says that IS_SIGNAL.ind 0GBASE-ZR PI	MA receive fun it depends on dication primitiv MA receive sign 3.3.2.5, if there	nction is detectin two other condi re is OK, and da nal processing f	ng a fault. itions but not that ata is being succe functions.	ends solely on whethe one: ssfully processed by s at FAIL, although the
uggeste	dRemedy					Suggested	lRemedy				
that F PMA,	PMA_IS_UNIT , consistently.	DATA.request	nt) from the primitiv t becomes PMA_IS		out the document, so uest, and so on for	If feasi	ible, clarify whe		ult" in 156.5.7,	156.5.8 and 156. bly not faulty PMI	5.9 means a fault in ).
	arly for the PN Response		se Status <b>O</b>			Proposed I	Response	Response	Status O		
	-					C/ 155	SC 155.3.2	.3.1	P61	L17	# 1-34
/ 155	SC 155.3	.2.1.1	P <b>60</b>	L10	# I-160	Ran, Adee			Cisco System	ns. Inc.	
Dawe, Pi	ers J G		NVIDIA			Comment		Comment	t Status X	,	
PMA <u></u> Suggeste Make so on	usistent primiti _UNITDATA.r d <i>Remedy</i> e consistent.	ve names: bot equest Change PMA_I r comment for			TDATA.request and	"The S OK Th 155.3. FAIL T 155.3. 155.3.	6IGNAL_OK pa e 400GBASE- 3.2.5 The 400GBASE 3.2.5" 3.2.5" 3.2.5 does not	TRAMETER TAKES ZR PMA receiv ZR PMA receiv	one of two value e function is no ive function is d ions a fault; it ju	es of the form: It detecting a fault detecting a fault a ust defines (quite	s defined in
						Similar	r statements a	opear also in 18	56.2.1.3.1.		
						Suggested	IRemedy				
						Chang "The S 155.3.3	, SIGNAL_OK pa	rameter takes	one of the two v	values OK and FA	AIL, as specified in
						Chang	je 156.2.1.3.1 s	similarly.			
						-					

C/ 155 SC 155.3.2.3.1

/ 155 SC 155.3.3	3.1.3	P <b>63</b>	L <b>44</b>	# <mark>I-33</mark>	C/ 155	SC 155.3.3.	1.5	P <b>65</b>	L <b>52</b>	# <u>1-56</u>
Ran, Adee		Cisco System	ns, Inc.		Bruckmar	n, Leon		Huawei		
"frame alignment wo abbreviation FAW ha (out of 25 instances abbreviations, and in used.	rd" is used here as been defined in the document	, t, the initial 3 are	e required (table	-	only, a polari shall a	state diagram F and the pma_ali zation identificat also not require	igure 155-15 gnment_valid ion. We shall	variable does no	ot mention that TS	is is based on the FA\ S is used for r identification, but we
					Suggester	,	t in identificat	ion by receivers"		
Similarly, "training se expanded expression		ollot sequence" a	appear both as al	bbreviations and as the				,		
					Proposed	Response	Response	e Status O		
same. uggestedRemedy For each of the abbr use it. proposed Response	eviations, either <i>Response</i>		ntly (after the first	t introduction) or don't	only, a polari	<i>Type</i> <b>T</b> state diagram F and the pma_ali zation identificat	<i>Commer</i> igure 155-15 gnment_valid ion. We shall	variable does not not disallow the	ot mention that TS use of TS and fo	r identification, but we
/ 155 SC 155.3.3	3.1.3	P <b>64</b>	L <b>25</b>	# I-35		•	it. Also we sh	ould mention pol	arization deskew	here.
Ran, Adee Comment Type ER In Figure 115-12 son within ranges and the	ne numbers incl		d others don't. Th		trainir polari	ge: "Identificatio	uences." to: "		using the frame a he X and Y polar	
As a counter exampl result is better.	e, Figure 155–1	4 does not use	spaces even in l	arge numbers. The		·				
uggestedRemedy										
Remove all spaces v improve readability.	vithin numbers i	n this figure and	d in other figures	unless they obviously						

C/ 155 SC 155.3.3.2.2

	.2.5 <i>P</i> 71	L <b>9</b>	# I-36	C/ 155 SC 155.4.2	P <b>72</b>	L7	# 1-60
Ran, Adee	Cisco System	s, Inc.		Bruckman, Leon	Huawei		
	Comment Status X logic conditions are too vague. ng (listed in 155.3.3.2.2) that s			Comment Type E Wrong capitalization	Comment Status X of the word "TRUE"		
uggestedRemedy After "data is being su	uccessfully processed by all 40			SuggestedRemedy Change capitlized "TI Proposed Response	RUE" to small caps "true" Response Status <b>O</b>		
Add the following iten - Symbol streams are defined in 155.3.3.2.3	ns to the list: identified and ilgned and mes	0 7	Ū.	Cl 155 SC 155.4.2 Bruckman, Leon Comment Type E	P <b>72</b> Huawei Comment Status X	L12	# [ <u>-61</u>
roposed Response	Response Status <b>O</b>			Wrong capitalization SuggestedRemedy			
7 155 SC 155.4.2	P71	L <b>24</b>	# I-58		RUE" to small caps "true"		
Bruckman, Leon	Huawei			Proposed Response	Response Status O		
	ridawoi						
omment Type E	Comment Status X						
omment Type E		ables if they wil	l be in alphabetical order	C/ 155 SC 155.4.2	P <b>72</b>	L15	# 1-23
omment Type E It will be easier for the uggestedRemedy	Comment Status X e reader to find the specific var		l be in alphabetical order	C/ 155 SC 155.4.2 Ran, Adee	P <b>72</b> Cisco Syste		# [-23
Comment Type E It will be easier for the SuggestedRemedy	Comment Status X		l be in alphabetical order				# I <u>-23</u>
omment Type E It will be easier for the uggestedRemedy Order the state diagra	Comment Status X e reader to find the specific var		l be in alphabetical order	Ran, Adee <i>Comment Type</i> <b>TR</b> "A Boolean variable t	Cisco Syste Comment Status X nat is set to true when the rec polarization symbol stream o	ms, Inc. eiver has detecte	ed the location of the
tomment Type E It will be easier for the uggestedRemedy Order the state diagra proposed Response	Comment Status X e reader to find the specific vari am variables in alphabetical ord Response Status O P71		l be in alphabetical order # [ <u>1-59</u> ]	Ran, Adee Comment Type <b>TR</b> "A Boolean variable t FAW field for a given interface, where x = 0	Cisco Syste Comment Status X nat is set to true when the rec polarization symbol stream o	ms, Inc. eiver has detecte	ed the location of the
Comment Type E It will be easier for the uggestedRemedy Order the state diagra Proposed Response	Comment Status X e reader to find the specific vari am variables in alphabetical ord Response Status <b>O</b> <i>P</i> <b>71</b> Huawei	ler		Ran, Adee Comment Type TR "A Boolean variable t FAW field for a given interface, where x = 0 Does x indicate the in	Cisco Syste Comment Status X nat is set to true when the rec polarization symbol stream o 1"	ms, Inc. eiver has detecte n the 400GBASE	ed the location of the
Comment Type E It will be easier for the SuggestedRemedy Order the state diagra Proposed Response Cl 155 SC 155.4.2 Bruckman, Leon	Comment Status X e reader to find the specific vari am variables in alphabetical ord Response Status O P71 Huawei Comment Status X	ler		Ran, Adee Comment Type TR "A Boolean variable t FAW field for a given interface, where x = 0 Does x indicate the in	Cisco Syste Comment Status X nat is set to true when the rec polarization symbol stream o :1" dex of the symbol stream?	ms, Inc. eiver has detecte n the 400GBASE	ed the location of the
Comment Type E It will be easier for the SuggestedRemedy Order the state diagra Proposed Response CI 155 SC 155.4.2 Bruckman, Leon Comment Type E Wrong capitalization of SuggestedRemedy	Comment Status X e reader to find the specific vari am variables in alphabetical ord Response Status O P71 Huawei Comment Status X	ler		Ran, Adee <i>Comment Type</i> <b>TR</b> "A Boolean variable the FAW field for a given interface, where x = 0 Does x indicate the irr Also, this variable app <i>SuggestedRemedy</i> Change to "Boolean wardshipped"	Cisco Syste Comment Status X nat is set to true when the rec polarization symbol stream o :1" dex of the symbol stream? parently has two bits, so it is r variables that are set to true w eld for polarization symbol st	ms, Inc. eiver has detecte n the 400GBASE not one Boolean. /hen the receiver	ed the location of the E-ZR PMD service

C/ 155 SC 155.4.2

C/ 155 SC 155.4.	.2 P72	L <b>25</b>	# 1-24	C/ 155 SC 155.4.	3 P	74 L5	# <mark>I-136</mark>
Ran, Adee	Cisco System	ns, Inc.		Rolfe, Benjamin	Blin	d Creek Associates	
should use hyphens	Comment Status X 6QAM symbol block" is a compli s, but It can be made easier to re s 3 times in this paragraph, and	ead by rephrasing	g.	evaluated"	Comment Statu ementation shall ensure not "ensure" (see IMPC	e that all possible FAW	
definition of faw_slip		22-Symbol bloc	k also appears in the	So shall ensure is SuggestedRemedy	wrong.		
SuggestedRemedy					aluate all possible FA	W field positions.	
Change the first inst 2 to "the candidate I	tance to "the candidate block of block".	22 16QAM symb	ools", and the remaining	Proposed Response	Response Status	s <b>O</b>	
Change in other pla	ces if necessary.			C/ 155 SC 155.4	л Р	74 <i>L</i> 13	# 1-37
Proposed Response	Response Status O			Ran, Adee		co Systems, Inc.	# <u>1-57</u>
				Comment Type ER	Comment Statu	•	
C/ <b>155</b> SC <b>155.4.</b> Bruckman, Leon	2 P73 Huawei	L <b>3</b>	# 1-62	"Counts the interval what is/are the num	of 10 240 257-bit bloc bers here?	ks"	
Comment Type E	Comment Status X			SuggestedRemedy			
Wrong capitalizatior	n of the word "TRUE"			Change to "Counts	the interval of 10240 2	57-bit blocks"	
	TRUE" to small caps "true"			Proposed Response	Response Status	5 <b>O</b>	
Change capitlized "	TRUE" to small caps "true" <i>Response Status</i> <b>O</b>			Proposed Response		s O 75 L4	# [ <mark>_38</mark>
Change capitlized " Proposed Response	Response Status <b>O</b>			Cl 155 SC 155.4. Ran, Adee	5 P Cisc	<b>75</b> <i>L</i> <b>4</b> co Systems, Inc.	# [ <u>-38</u>
Change capitlized " Proposed Response	Response Status O	L <b>3</b>	# [ <u>-22</u> ]	Cl <b>155</b> SC <b>155.4</b> . Ran, Adee Comment Type <b>E</b>	5 P Cisc Comment Statu	75 L4 co Systems, Inc. s X	# [ <u>-38</u>
Change capitlized " Proposed Response C/ 155 SC 155.4.	Response Status O 2 P73 Cisco System		# [ <u>-22</u> ]	Cl <b>155</b> SC <b>155.4</b> . Ran, Adee Comment Type <b>E</b> In Figure 155–15, th	5 P Cisc <i>Comment Statu</i> ne label is badly split ad	75 L4 co Systems, Inc. s X	# [ <u>-38</u>
Change capitlized " Proposed Response CI 155 SC 155.4. Ran, Adee Comment Type TR	2 P73 Cisco System Comment Status X		# [ <u>-22</u>	Cl <b>155</b> SC <b>155.4</b> . Ran, Adee Comment Type <b>E</b>	5 P Cisc <i>Comment Statu</i> ne label is badly split ad	75 L4 co Systems, Inc. s X	# [ <u>-38</u>
Change capitlized " Proposed Response Cl 155 SC 155.4. Ran, Adee Comment Type TR "when faws_lock <x> It is not clear what x</x>	Response Status       O         2       P73         Cisco System         Comment Status       X         > = TRUE"         c stands for here. The definition of	ns, Inc.	4	Cl <b>155</b> SC <b>155.4</b> . Ran, Adee Comment Type <b>E</b> In Figure 155–15, th pma_reset + !pma_	5 P Cisc Comment Statu ne label is badly split ad signal_ok + pma_	75 L4 co Systems, Inc. s X	# [ <u>-38</u>
Change capitlized " Proposed Response Cl 155 SC 155.4. Ran, Adee Comment Type TR "when faws_lock <x></x>	Response Status       O         2       P73         Cisco System         Comment Status       X         > = TRUE"         c stands for here. The definition of	ns, Inc.	4	Cl 155 SC 155.4. Ran, Adee Comment Type E In Figure 155–15, th pma_reset + !pma_ restart_lock Similarly on page 7	5 P Cisc Comment Statu ne label is badly split ad signal_ok + pma_	75 L4 co Systems, Inc. s X	# [ <u>-38</u>
Change capitlized " Proposed Response Cl 155 SC 155.4. Ran, Adee Comment Type TR "when faws_lock <x> It is not clear what x of x, 0 and 1, but W For some other varia</x>	Response Status       O         2       P73         Cisco System         Comment Status       X         > = TRUE"         c stands for here. The definition of	ns, Inc. of faws_lock app valid, the definiti	parently has two values	Cl 155 SC 155.4. Ran, Adee Comment Type E In Figure 155–15, th pma_reset + !pma_ restart_lock Similarly on page 7' SuggestedRemedy Insert line break: pma_reset + !pma_	5 P Cisc <i>Comment Statu</i> ne label is badly split ad signal_ok + pma_ 7, Figure 155–17 signal_ok	75 L4 co Systems, Inc. s X	# [ <u>-38</u>
Change capitlized " Proposed Response Cl 155 SC 155.4. Ran, Adee Comment Type TR "when faws_lock <x> It is not clear what x of x, 0 and 1, but W For some other varia faws_lock<x> is true</x></x>	Response Status       O         2       P73         Cisco System         Comment Status       X         > = TRUE"         c stands for here. The definition of Vhich one is it here?         iables such as pma_alignment	ns, Inc. of faws_lock app valid, the definiti	parently has two values	Cl 155 SC 155.4. Ran, Adee Comment Type E In Figure 155–15, th pma_reset + !pma_ restart_lock Similarly on page 7 SuggestedRemedy Insert line break:	5 P Cisc <i>Comment Statu</i> ne label is badly split ad signal_ok + pma_ 7, Figure 155–17 signal_ok	75 L4 co Systems, Inc. s X	# [ <u>-38</u>
<i>Proposed Response</i> <i>Cl</i> <b>155</b> <i>SC</i> <b>155.4.</b> Ran, Adee <i>Comment Type</i> <b>TR</b> "when faws_lock <x> It is not clear what x of x, 0 and 1, but W For some other varia</x>	Response Status       O         2       P73         Cisco System       Comment Status         X       > = TRUE"         < stands for here. The definition of Vhich one is it here?	ns, Inc. of faws_lock app valid, the definiti	parently has two values	Cl 155 SC 155.4. Ran, Adee Comment Type E In Figure 155–15, th pma_reset + !pma_ restart_lock Similarly on page 7' SuggestedRemedy Insert line break: pma_reset + !pma_	<b>5</b> <i>P</i> Cisc <i>Comment Statu</i> ne label is badly split ad signal_ok + pma_ 7, Figure 155–17 signal_ok	75 L4 co Systems, Inc. s X	# 1 <u>-38</u>

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

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C/ 155 SC 155.4	.5 P75	L <b>8</b>	<b>#</b> I-64	C/ 155 SC 155.4.	5 P76	L <b>7</b>	# <u>1-65</u>
Bruckman, Leon	Huawei			Bruckman, Leon	Huawei		
Comment Type E	Comment Status X			Comment Type E	Comment Status X		
In Figure 155-15, bl capitalization of the	locks "LOCK_INIT", "GET_BLOG word "FALSE"	CK", "FIND_1ST"	and "15_BAD" wrong	In Figure 155-16, bl capitalization of the	ocks "LOSS_OF_ALIGNMENT word "TRUE"	" and "ALIGN_AC	CQUIRED", wrong
SuggestedRemedy				SuggestedRemedy			
Change capitlized " "FIND_1ST" and "1	FALSE" to small caps "false" in 5_BAD"	blocks "LOCK_II	NIT", "GET_BLOCK",	Change capitlized " "ALIGN_ACQUIREI	TRUE" to small caps "true" in b )"	olocks "LOSS_OF	_ALIGNMENT" and
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 155 SC 155.4	.5 <i>P</i> 75	L <b>25</b>	# <u>I-63</u>	C/ 155 SC 155.4.	5 P77	L <b>8</b>	# 1-68
Bruckman, Leon	Huawei			Bruckman, Leon	Huawei		
In Figure 155-15, bl	Comment Status X locks "15_BAD" and "2_GOOD"	, wrong capitaliza	ation of the word "TRUE"	Comment Type E In Figure 155-17, bl capitalization of the	Comment Status X ocks "LOCK_INIT", "GET_BLC word "FALSE"	OCK" and "FIND_1	IST" wrong
In Figure 155-15, bl SuggestedRemedy	locks "15_BAD" and "2_GOOD"	U I		In Figure 155-17, bl	ocks "LOCK_INIT", "GET_BLO	OCK" and "FIND_1	IST" wrong
In Figure 155-15, bl SuggestedRemedy		U I		In Figure 155-17, bl capitalization of the <i>SuggestedRemedy</i>	ocks "LOCK_INIT", "GET_BLO	_	-
In Figure 155-15, bl SuggestedRemedy Change capitlized "	locks "15_BAD" and "2_GOOD" TRUE" to small caps "true" in bl	U I		In Figure 155-17, bl capitalization of the <i>SuggestedRemedy</i> Change capitlized "I	ocks "LOCK_INIT", "GET_BLC word "FALSE"	_	-
In Figure 155-15, bi uggestedRemedy Change capitlized " Proposed Response	locks "15_BAD" and "2_GOOD" TRUE" to small caps "true" in bl <i>Response Status</i> <b>O</b>	U I		In Figure 155-17, bl capitalization of the <i>SuggestedRemedy</i> Change capitlized "I and "FIND_1ST"	ocks "LOCK_INIT", "GET_BLC word "FALSE" FALSE" to small caps "false" in	_	-
In Figure 155-15, bi suggestedRemedy Change capitlized " Proposed Response	locks "15_BAD" and "2_GOOD" TRUE" to small caps "true" in bl <i>Response Status</i> <b>O</b>	ocks "15_BAD" a	and "2_GOOD"	In Figure 155-17, bl capitalization of the <i>SuggestedRemedy</i> Change capitlized "I and "FIND_1ST"	ocks "LOCK_INIT", "GET_BLC word "FALSE" FALSE" to small caps "false" ir <i>Response Status</i> <b>O</b>	_	-
In Figure 155-15, bi SuggestedRemedy Change capitlized " Proposed Response Cl 155 SC 155.4 Bruckman, Leon Comment Type E	locks "15_BAD" and "2_GOOD" TRUE" to small caps "true" in bl <i>Response Status</i> <b>O</b> .5 <i>P</i> <b>76</b> Huawei <i>Comment Status</i> <b>X</b>	ocks "15_BAD" a	and "2_GOOD" # [ <del> -66</del>	In Figure 155-17, bl capitalization of the <i>SuggestedRemedy</i> Change capitlized "I and "FIND_1ST" <i>Proposed Response</i>	ocks "LOCK_INIT", "GET_BLC word "FALSE" FALSE" to small caps "false" ir <i>Response Status</i> <b>O</b>	n blocks "LOCK_II	NIT", "GET_BLOCK"
In Figure 155-15, bi SuggestedRemedy Change capitlized " Proposed Response Cl 155 SC 155.4 Bruckman, Leon Comment Type E	Iocks "15_BAD" and "2_GOOD" TRUE" to small caps "true" in bl <i>Response Status</i> <b>O</b> .5 <i>P</i> <b>76</b> Huawei <i>Comment Status</i> <b>X</b> Iocks "LOSS_OF_ALIGNMENT"	ocks "15_BAD" a	and "2_GOOD" # [ <del> -66</del>	In Figure 155-17, blu capitalization of the <i>SuggestedRemedy</i> Change capitlized "I and "FIND_1ST" <i>Proposed Response</i> <i>CI</i> 155 SC 155.4. Bruckman, Leon <i>Comment Type</i> E	ocks "LOCK_INIT", "GET_BLC word "FALSE" FALSE" to small caps "false" in <i>Response Status</i> <b>0</b> <b>5</b> <i>P</i> <b>77</b> Huawei <i>Comment Status</i> <b>X</b>	h blocks "LOCK_II	NIT", "GET_BLOCK" # [ <u>1-67</u>
In Figure 155-15, bi SuggestedRemedy Change capitlized " Proposed Response Cl 155 SC 155.4 Bruckman, Leon Comment Type E In Figure 155-16, bi capitalization of the SuggestedRemedy	Iocks "15_BAD" and "2_GOOD" TRUE" to small caps "true" in bl Response Status <b>O</b> .5 P76 Huawei Comment Status <b>X</b> Iocks "LOSS_OF_ALIGNMENT" word "FALSE"	ocks "15_BAD" a	and "2_GOOD" # [ <u>I-66</u> ] CQUIRED", wrong	In Figure 155-17, blu capitalization of the <i>SuggestedRemedy</i> Change capitlized "I and "FIND_1ST" <i>Proposed Response</i> <i>Cl</i> <b>155</b> <i>SC</i> <b>155.4.</b> Bruckman, Leon <i>Comment Type</i> <b>E</b> In Figure 155-17, blu	ocks "LOCK_INIT", "GET_BLC word "FALSE" FALSE" to small caps "false" in <i>Response Status</i> <b>0</b> <b>5</b> <i>P</i> <b>77</b> Huawei	h blocks "LOCK_II	NIT", "GET_BLOCK" # [ <u>1-67</u>
In Figure 155-15, bi SuggestedRemedy Change capitlized " Proposed Response Cl 155 SC 155.4 Bruckman, Leon Comment Type E In Figure 155-16, bi capitalization of the SuggestedRemedy	locks "15_BAD" and "2_GOOD" TRUE" to small caps "true" in bl <i>Response Status</i> <b>O</b> <b>.5</b> <i>P</i> <b>76</b> Huawei <i>Comment Status</i> <b>X</b> locks "LOSS_OF_ALIGNMENT" word "FALSE" FALSE" to small caps "false" in	ocks "15_BAD" a	and "2_GOOD" # [ <u>I-66</u> ] CQUIRED", wrong	In Figure 155-17, blu capitalization of the <i>SuggestedRemedy</i> Change capitlized "I and "FIND_1ST" <i>Proposed Response</i> <i>Cl</i> <b>155</b> <i>SC</i> <b>155.4.</b> Bruckman, Leon <i>Comment Type</i> <b>E</b> In Figure 155-17, blu <i>SuggestedRemedy</i>	ocks "LOCK_INIT", "GET_BLC word "FALSE" FALSE" to small caps "false" in <i>Response Status</i> <b>0</b> <b>5</b> <i>P</i> <b>77</b> Huawei <i>Comment Status</i> <b>X</b>	L <b>25</b>	NIT", "GET_BLOCK" # [ <u>1-67</u>

C/ 155 SC 155.4.5

C/ 155 SC 155.4.3	F P73	L <b>50</b>	# I-138	C/ 155	SC 155	.5.2	P <b>79</b>	L11	# <mark>I-110</mark>
Rolfe, Benjamin	Blind Creek	Associates		Rolfe, Ben	jamin		Blind Creek	Associates	
Comment Type TR	Comment Status X			Comment	Туре ТІ	R	Comment Status X		
evaluated" Not well stated using "ensure"	nentation shall ensure that all ensure (which is a no-no word			contair correct This is	ns errors th ted or not o not stating	at were complet g an op	ve langauge: "An uncorrect e not corrected, including F tely corrected" tional requirment. This is ( ' is equivalent to "may or m	EC codewords th	nat may have been mis- information. It is also
SuggestedRemedy An implementation sl	nall evaluate all possible AM fi	eld positions.		that FE	EC codewo	rds tha	the NOT been mis-corrected FEC codewords. grama	ted or that have	been completely
Proposed Response	Response Status O				rected and		pletely corrected codeword		
				Suggested	Remedy				
C/ <b>155</b> SC <b>155.5.1</b> Bruckman, Leon	P <b>78</b> Huawei	L <b>6</b>	# I-69				deword is a codeword that o codewords that were mis-co		
Comment Type E Wrong capitalization	Comment Status X			Proposed I	Response		Response Status <b>O</b>		
SuggestedRemedy				C/ 155	SC 155	.5.3	P79	L <b>21</b>	#   <u>-</u> 111
Change capitlized "T	RUE" to small caps "true"			Rolfe, Ben	jamin		Blind Creek	Associates	
Proposed Response	Response Status O			Comment	Туре ТІ	R	Comment Status X		
							ve langauge: "may".  "may" t of a possibility. The right v		onal requirement. This is
C/ 155 SC 155.5.2	P78	L15	# <u>I-</u> 70	Suggested	Remedy				
Bruckman, Leon	Huawei			Chang	e to " This	may be	e used together" to "This ca	n be used togeth	ner"
Comment Type E Wrong capitalization	Comment Status X of the word "TRUE"			Proposed I	Response		Response Status <b>O</b>		
SuggestedRemedy Change capitlized "T	RUE" to small caps "true"			C/ 155	SC 155	.5.4	P <b>79</b>	L <b>28</b>	# <u> -</u> 112
Proposed Response	Response Status <b>O</b>			Rolfe, Ben	jamin		Blind Creek	Associates	
,				Comment	Туре ТІ	R	Comment Status X		
							ve langauge: "may".  "may" t of a possibility. The right v		onal requirement. This is
				Suggested	Remedy				
				Chang	e to " This	may be	e used together" to "This ca	n be used togeth	ner"
				Proposed I	Response		Response Status <b>O</b>		

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

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C/ 155	SC 155.6	P <b>79</b>	L <b>35</b>	# I-39	C/ <b>156</b> S	C 156	P <b>84</b>	L <b>7</b>	# I-127
Ran, Adee		Cisco System	s, Inc.		D'Ambrosia, Jo	ohn	Futurewei Te	chnologies, U.S	. Subsidiary of Huawei
	ars only once ir	Comment Status X n this clause and is unclear.	The next senter	nce has "bit times".		complexity o	Comment Status X of this PMD, the lack of appro- aring limiation to this draff	priate test vecto	rs and relevant
SuggestedRe Change t	<i>emedy</i> to "bit times"				SuggestedRem	nedy	-		
Proposed Re		Desmanas Status O			A subsequ	ent contribu	tion will provide proposed tes	st vectors and de	escriptive ttext
-Toposeu Re	esponse	Response Status <b>O</b>			Proposed Resp	oonse	Response Status <b>O</b>		
C/ 155	SC 155.7.2.1	P80	L <b>27</b>	# <mark>I-113</mark>	0.450	0 450 4	204	10	
Rolfe, Benjai	min	Blind Creek A	ssociates			C 156.1	P84	L <b>8</b>	# I-114
Comment Ty	vpe TR	Comment Status X			Rolfe, Benjami		Blind Creek	Associates	
an inform	native statemer nent WITHIN So	ve langauge: "may". "may" o it of a possibility. The right w cope of this standard. This is	ord is "can". M	ay defines an optional	an informa would mea	se of norma tive stateme n that DWD	Comment Status X tive langauge: "may". "may" ent of a possibility. 'may" is en M that contained zero (or a r	quivalent to "may negative numnbe	y or may not". Which
	'may" to "can".						ne or more). Probably not whether the second s	nat you mean.	
Proposed Re		Response Status <b>O</b>			SuggestedRem	-			
1000000110	iop office				-	ay" to "can".			
					Proposed Resp	oonse	Response Status O		
C/ 155A	SC 155A.1	<i>P</i> 119	L <b>35</b>	# I-11					
Ran, Adee		Cisco System	s, Inc.		C/ <b>156</b> S	C 156.1	P <b>84</b>	L13	# <u>l-</u> 115
Comment Ty		Comment Status X e is confusing. It seems to hi	ablight the DM	As but the figure is not	Rolfe, Benjami	n	Blind Creek	Associates	
about PN		e is confusing. It seems to hi		AS, but the lighte is not	Comment Type Yet again u		<i>Comment Status</i> <b>X</b> to mean "can" (stating a pos	ibilitv not definin	a a requirment).
be shade	ed, since it is no	400GMII Extender, then the to part of the Extender. The D the text needs to be added to	DTE 400GXS ar	nd PHY 400GXS should	SuggestedRem	• •		,	,
Alternativ	vely, the shadir	g can be removed altogethe	r - there is little	benefit from having it.	Proposed Resp	oonse	Response Status <b>O</b>		
SuggestedRe	emedy								
Make the PMA box		boxes shaded, and remove the	ne shading from	n the 400GBASE-ZE					
	ne text above th	e figure: "The components o	f the 400GMII E	Extender are shown					
Add to th shaded".									

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

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C/ 156	SC 156.1	P <b>93</b>	L <b>10</b>	# I-116	C/ 156	SC 156.2.1	P88	L <b>1</b>	# I-164
Rolfe, Ber	ijamin	Blind Creek A	Associates		Dawe, Pier	rs J G	NVIDIA		
omment	Type <b>TR</b>	Comment Status X			Comment 7	Гуре Е	Comment Status X		
DWD		"channel in a way that takes nay be simultaneously prese abt"					BASE-ZR PMD service in pendent (PMD) service int		
		gin			Suggested	Remedy			
<i>Suggested</i> chang	r <i>Remeay</i> e "may" to "migh	t"			becom		se heading. 156.2.1.1 PM )_IS_UNITDATA.request	D_IS_UNITDATA.re	equest and so on will
Proposed	Response	Response Status <b>O</b>			Proposed F		Response Status <b>O</b>		
C/ 156	SC 156.2	P86	L <b>3</b>	# <u>I</u> -162	C/ 156	SC 156.2.1	.1.2 <i>P</i> 88	L26	# 1465
Dawe, Pie	rs J G	NVIDIA						L <b>26</b>	# I-165
Comment	Type ER	Comment Status X			Dawe, Pier		NVIDIA		
Figure	s 156-2 and 3 ar	e orphans			Comment 7		Comment Status X PMA generates PMA UNI	DATA request cont	inuously
Suggested	IRemedy								inuousiy.
Add th	e text to introduc	e them.			The eff	ect of receipt of	of the PMA_UNITDATA.ree	quest	
Proposed	Response	Response Status <b>O</b>			Suggested The 40	,	PMD generates PMD_UNI	DATA.request cont	tinuously.
C/ 156	SC 156.2	P86	L10	# 1-163	 The eff	ect of receipt of	of the PMD_UNITDATA.ree	quest	
Dawe, Pie	rs J G	NVIDIA			Proposed F	Response	Response Status O		
Comment	Type ER	Comment Status X							
Putting directi		ation in the middle is pretty,	but misleading.	It is part of the receive	C/ 156	SC 156.2.1	.3.1 <i>P</i> 89	L13	# I-166
Suggested	IRemedv				Dawe, Pier	rs J G	NVIDIA		
Move the rig Simila	the arrows mark ht, near PMA_IS	ed PMA_IS_SIGNAL.indicatio _UNITDATA.indication and F ure, move PHY_XS:IS_SIGN ght.	PMD_IS_UNITD	ATA.indication.	PMD re receive	ays that PMD_l eceive function function is de	Comment Status X S_SIGNAL.indication(SIG is not detecting a fault, ar tecting a fault and is unable	d FAIL when the 40	00GBASE-ZR PMD
Proposed	Response	Response Status <b>O</b>			a bad i	nput signal, or	ols to the PMA. It is not c both. it depends on nothing but		
					Suggested	Remedy			
					Recond	cile			

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C/ 156 SC 156.4	P <b>90</b>	L <b>29</b>	# I-167	C/ 156 SC	C 156.6	P <b>94</b>	L <b>25</b>	# I-40
Dawe, Piers J G	NVIDIA			D'Ambrosia, Jol	hn	Futurewei	Technologies, U.S.	Subsidiary of Huawei
SuggestedRemedy	Comment Status X lity 4, Rx optical channel abilit lity 4 register, Rx optical chann Response Status <b>O</b>		ter	"These mult DWDM freq However, IT 75 GHz fixe	tiple DWDN uency grid <sup>-</sup> U-T G.694 d grid in P8	Comment Status X the following - A channels have optical cl defined in Recommendat .1 does not specify a fixed 302.3cw was developed bars some confusion.	ion ITU-T G.694.1." d grid for channel sp	acings of 75 GHz. The
				SuggestedRem	•			
Cl 156 SC 156.5.9 Maniloff, Eric Comment Type E Fig 156-5 shows port	P <b>94</b> Ciena Corpor <i>Comment Status</i> <b>X</b> frequency f_i on the Tx, but r		# I <u>-121</u>	DWDM freq to These multi	tiple DWDN Juency grid ple DWDM	entence - I channels have optical cl defined in Recommendat channels have optical ch ncy grid defined in Recorr	ion ITU-T G.694.1." annel center freque	ncies that are part of a
SuggestedRemedy Update Optical Rx on	TP3_i to "Optical Rx f_i"			Proposed Resp	onse	Response Status <b>O</b>		
Proposed Response	Response Status <b>O</b>			C/ 156 SC	C 156.6	P <b>94</b>	L <b>26</b>	# <mark>I-168</mark>
0.450 00.450.0	P94	L <b>24</b>	# I-119	Dawe, Piers J C		NVIDIA		
	• •		# [-119	Comment Type		Comment Status X		
Rolfe, Benjamin	Blind Creek A Comment Status X		π <u> -113</u>	This says "F	Recommen	dation ITU-T G.694.1", 1.3		TU-T Recommendation
Rolfe, Benjamin Comment Type TR Incorrect use of norma basis that it may be co contains a portion who separate 400GBASE- is a statement of fact,	Blind Creek A Comment Status X ative language "may": "The 40 onnected to a DWDM black lin ere multiple DWDM optical cha	Associates DOGBASE-ZR PM Ik that annels are prese nay" defines opti	MD is specified on the nt, each connected to a onal reuirements) as	This says "F G.694.1" an SuggestedReme	Recommen nd many oth e <i>dy</i> commendat			TU-T Recommendation
Rolfe, Benjamin Comment Type TR Incorrect use of norma basis that it may be co contains a portion whe separate 400GBASE- is a statement of fact, there is no specific, ot	Blind Creek A Comment Status X ative language "may": "The 40 onnected to a DWDM black lin ere multiple DWDM optical cha ZR transmitter." not defining a requirement ("n	Associates DOGBASE-ZR PM Ik that annels are prese nay" defines opti	MD is specified on the nt, each connected to a onal reuirements) as	This says "F G.694.1" an SuggestedRemo Delete "Rec Proposed Respo	Recommen nd many oth e <i>dy</i> commendat	dation ITU-T G.694.1", 1. her places have just "ITU- cion, several times		TU-T Recommendation
Rolfe, Benjamin Comment Type TR Incorrect use of norma basis that it may be co contains a portion whe separate 400GBASE- is a statement of fact, there is no specific, of	Blind Creek A Comment Status X ative language "may": "The 40 onnected to a DWDM black lin ere multiple DWDM optical cha ZR transmitter." not defining a requirement ("n oservable, verifiable requirrem	Associates DOGBASE-ZR PM Ik that annels are prese nay" defines opti	MD is specified on the nt, each connected to a onal reuirements) as	This says "F G.694.1" an SuggestedRemo Delete "Rec Proposed Respo	Recommen Id many oth edy commendationse	dation ITU-T G.694.1", 1. her places have just "ITU- tion, several times <i>Response Status</i> <b>O</b>	T G.xxx"	
Rolfe, Benjamin Comment Type <b>TR</b> Incorrect use of norma basis that it may be contains a portion whe separate 400GBASE- is a statement of fact, there is no specific, of SuggestedRemedy	Blind Creek A Comment Status X ative language "may": "The 40 onnected to a DWDM black lin ere multiple DWDM optical cha ZR transmitter." not defining a requirement ("n oservable, verifiable requirrem	Associates DOGBASE-ZR PM Ik that annels are prese nay" defines opti	MD is specified on the nt, each connected to a onal reuirements) as	This says "F G.694.1" an SuggestedRemo Delete "Rec Proposed Respo C/ 156 SC Dawe, Piers J C Comment Type This says th selected to advertise th	Recommen ad many oth edy commendationse C 156.6 C 156.6 C TR nat the near have the sa have the sa e ability to	dation ITU-T G.694.1", 1. her places have just "ITU- cion, several times <i>Response Status</i> <b>O</b> <i>P</i> <b>94</b>	T G.xxx" <i>L</i> 33 DM channel, and the ency. But elsewhere	# [ <mark>I-169</mark>
Rolfe, Benjamin Comment Type TR Incorrect use of norma basis that it may be co contains a portion whe separate 400GBASE- is a statement of fact, there is no specific, of SuggestedRemedy Change "may" to "can	Blind Creek A Comment Status X ative language "may": "The 40 onnected to a DWDM black lin ere multiple DWDM optical cha ZR transmitter." not defining a requirement ("n oservable, verifiable requirrem	Associates DOGBASE-ZR PM Ik that annels are prese nay" defines opti	MD is specified on the nt, each connected to a onal reuirements) as	This says "F G.694.1" an SuggestedReme Delete "Rec Proposed Respo Cl 156 SC Dawe, Piers J C Comment Type This says th selected to	Recommen ad many oth edy commendationse C 156.6 C 156.6 C TR nat the near have the sa have the sa e ability to	dation ITU-T G.694.1", 1. her places have just "ITU- tion, several times <i>Response Status</i> <b>O</b> <i>P</i> 94 NVIDIA <i>Comment Status</i> <b>X</b> r end transmitter, the DWI ame channel center freque	T G.xxx" <i>L</i> 33 DM channel, and the ency. But elsewhere	# [ <mark>I-169</mark>

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

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C/ 156 SC 156.6	P <b>95</b>	L <b>22</b>	# I-71	C/ 156	SC 156.7	P <b>97</b>	L15	# I-140
Bruckman, Leon	Huawei			Stassar, P	Peter	Huawei Tech	nologies Co., Ltd	
SuggestedRemedy	Comment Status X ee also similar text in Clause 15			of tran	ge channel outp	Comment Status X ut power (max) is specified to ver is -9 to -13 dBm, which in o		
Change: "to the rele	evant MDIO variables" to: "to the	e relevant optional	MDIO variables"	Suggested	Remedy			
Proposed Response	Response Status O			Chang	je Average chan	nel output power (max) from ·	-6 to -8 dBm	
				Proposed	Response	Response Status 0		
C/ 156 SC 156.7	P <b>97</b>	L	# I-139					
Stassar, Peter	Huawei Tech	nologies Co., Ltd		C/ 156	SC 156.7	P <b>97</b>	L38	#    <u>-</u> 141
Comment Type TR	Comment Status X				) - t - u	Livernei Teek		
				Stassar P	reier	Huawei Lech	inologies Col I ta	
	racteristics in Table 156-7 conta			Stassar, P <i>Comment</i>		Comment Status X	nologies Co., Ltd	
convey the impress interop in the field w working in the field. the view that we hav vendors (more than plenty vendors supp lot of data available meeting https://www this meeting 8 indivi	racteristics in Table 156-7 conta ion that there is so much sophis /hen meeting the requirements a Knowing about the work on this ve seen insufficient amount of v one) confirming that this is an a olying OIF 400ZR compliant mod , as promised after my presenta v.ieee802.org/3/cw/public/22_01 iduals indicated they would subr uld not just pretend there is opti	stication that it gua and not meeting it is in the TF since 2 erification test res appropriate Tx spe dules, so it should tion during the Ja I/stassar_3cw_01 mit data, but so fa	arantees multivendor t will lead to not 2019 or earlier, I am of sults from multiple ec. There should be I be possible to make a inuary 2022 interim a_220117.pdf. During Ir we have seen only	Comment The I-( in 156 should Suggested	Type <b>TR</b> Q amplitude imb .9.12 where it is be informative <i>Remedy</i> make the mean		n, which is incons nits. A mean valu nstead of a mear	sistent with its definition e is "meaningless" and
convey the impress interop in the field w working in the field. the view that we hav vendors (more than plenty vendors supp lot of data available meeting https://www this meeting 8 indivi	ion that there is so much sophis when meeting the requirements a Knowing about the work on this we seen insufficient amount of v one) confirming that this is an a olying OIF 400ZR compliant mod , as promised after my presenta v.ieee802.org/3/cw/public/22_01 iduals indicated they would subr	stication that it gua and not meeting it is in the TF since 2 erification test res appropriate Tx spe dules, so it should tion during the Ja I/stassar_3cw_01 mit data, but so fa	arantees multivendor t will lead to not 2019 or earlier, I am of sults from multiple ec. There should be I be possible to make a inuary 2022 interim a_220117.pdf. During Ir we have seen only	Comment The I- in 156 should Suggested Either	Type <b>TR</b> Q amplitude imb .9.12 where it is be informative <i>Remedy</i> make the mean	Comment Status X palance is specified as a mean stated to be within certain lim or limits should be specified in value informative or redefine	n, which is incons nits. A mean valu nstead of a mear	sistent with its definition e is "meaningless" and
convey the impress interop in the field w working in the field. the view that we hav vendors (more than plenty vendors supp lot of data available meeting https://www this meeting 8 indivi one or two. We sho SuggestedRemedy Add a comment/not	ion that there is so much sophis /hen meeting the requirements a Knowing about the work on this ve seen insufficient amount of v one) confirming that this is an a olying OIF 400ZR compliant moo , as promised after my presenta v.ieee802.org/3/cw/public/22_01 iduals indicated they would subr uld not just pretend there is opti e that even meeting the specific	stication that it gua and not meeting it is in the TF since 2 erification test res appropriate Tx spe dules, so it should tion during the Ja I/stassar_3cw_01 mit data, but so fa ical interop, when cations in Table 15	arantees multivendor t will lead to not 2019 or earlier, I am of sults from multiple ec. There should be I be possible to make a nuary 2022 interim a_220117.pdf. During I'r we have seen only there isn't.	Comment The I- in 156 should Suggested Either Proposed	Type <b>TR</b> Q amplitude imb .9.12 where it is be informative <i>Remedy</i> make the mean <i>Response</i> SC <b>156.7</b>	Comment Status X palance is specified as a mear stated to be within certain lim or limits should be specified in value informative or redefine <i>Response Status</i> <b>O</b> <i>P</i> 97	n, which is incons nits. A mean valu nstead of a mear to provide limits <i>L</i> <b>50</b>	sistent with its definition e is "meaningless" and n # [ <u>-142</u>
convey the impress interop in the field w working in the field. the view that we hav vendors (more than plenty vendors supp lot of data available meeting https://www this meeting 8 indivi one or two. We sho SuggestedRemedy Add a comment/not optical interop (or us	ion that there is so much sophis when meeting the requirements a Knowing about the work on this we seen insufficient amount of v one) confirming that this is an a blying OIF 400ZR compliant mov , as promised after my presenta v.ieee802.org/3/cw/public/22_01 iduals indicated they would subr uld not just pretend there is opti e that even meeting the specific sing other wording). Alternatively	stication that it gua and not meeting it is in the TF since 2 erification test res appropriate Tx spe dules, so it should ation during the Ja l/stassar_3cw_01 mit data, but so fa ical interop, when cations in Table 15 y we could ask the	arantees multivendor t will lead to not 2019 or earlier, I am of sults from multiple ec. There should be I be possible to make a inuary 2022 interim a_220117.pdf. During ir we have seen only there isn't. 56-7 does not warrant e OIF for the	Comment The I-( in 156 should Suggested Either Proposed I C/ <b>156</b> Stassar, P	Type <b>TR</b> Q amplitude imb .9.12 where it is I be informative <i>Remedy</i> make the mean <i>Response</i> SC <b>156.7</b> Peter	Comment Status X palance is specified as a mear stated to be within certain lim or limits should be specified in value informative or redefine <i>Response Status</i> <b>O</b> <i>P</i> <b>97</b> Huawei Tech	n, which is incons nits. A mean valu nstead of a mear to provide limits	sistent with its definition e is "meaningless" and n # [ <u>-142</u>
convey the impress interop in the field w working in the field. the view that we hav vendors (more than plenty vendors supp lot of data available meeting https://www this meeting 8 indivi one or two. We sho SuggestedRemedy Add a comment/not optical interop (or us necessary informati of the transmitter sp	ion that there is so much sophis /hen meeting the requirements a Knowing about the work on this ve seen insufficient amount of v one) confirming that this is an a olying OIF 400ZR compliant moo , as promised after my presenta v.ieee802.org/3/cw/public/22_01 iduals indicated they would subr uld not just pretend there is opti e that even meeting the specific	stication that it gua and not meeting it is in the TF since 2 erification test res appropriate Tx spe dules, so it should tion during the Ja l/stassar_3cw_01: mit data, but so fa ical interop, when cations in Table 19 y we could ask the prove the confiden ld be to make the	arantees multivendor t will lead to not 2019 or earlier, I am of sults from multiple ec. There should be I be possible to make a inuary 2022 interim a_220117.pdf. During ir we have seen only there isn't. 56-7 does not warrant e OIF for the ince level of the quality whole transmitter	Comment The I-( in 156, should Suggested Either Proposed I C/ 156 Stassar, P Comment The sp been b	Type <b>TR</b> Q amplitude imb .9.12 where it is I be informative <i>Remedy</i> make the mean <i>Response</i> SC <b>156.7</b> Peter Type <b>TR</b> pecification of a petter to specify	Comment Status X palance is specified as a mear stated to be within certain lim or limits should be specified in value informative or redefine <i>Response Status</i> <b>O</b> <i>P</i> 97	n, which is incons nits. A mean value nstead of a mear to provide limits <i>L</i> 50 nologies Co., Ltd wer stability is co ty in terms of +/-,	sistent with its definition e is "meaningless" and the second sec

Rename parameter Transmit output power stability max and min to a single parameter Transmit output power variation and additionally clarify that it can be minus or plus in 156.9.18

Response Status 0 Proposed Response

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C/ 156 SC 156.7	P <b>97</b>	L <b>53</b>	# I-143	C/ <b>156</b> S	C 156.7.1	P <b>97</b>	L <b>27</b>	# <mark>I-171</mark>
Stassar, Peter	Huawei Tech	nologies Co., Ltd		Dawe, Piers J	G	NVIDIA		
Comment Type TR	Comment Status X			Comment Type	TR	Comment Status X		
confusing. It would hav	ninimum Transmit output pov e been better to specify Tran ut that was changed earlier in	smit output power	absolute accuracy	spectrum a	bove) - the c	*mask*" - we limit the par description entry here sho		
would reduce potential		·	·	SuggestedRem	5	auonov noice meak" to "I	and fragmanay no	ine (max)"
SuggestedRemedy						equency noise mask" to "L e title of 156.9.5, change "		
	ansmit output power absolute tput power variation and add				add a new fi	irst sentence: The laser fro defined in this subclause.	equency noise sha	all be below the laser
Proposed Response	Response Status <b>O</b>			Proposed Resp	oonse	Response Status O		
C/ 156 SC 156.7.1	P <b>97</b>	L <b>23</b>	# I-170	C/ 156 S	C 156.7.1	P <b>97</b>	L38	# <mark>I-172</mark>
Dawe, Piers J G	NVIDIA			Dawe, Piers J	G	NVIDIA		
comment Type T	Comment Status X			Comment Type	TR	Comment Status X		
"Transmit spectrum (m	av).			"I₋O ampliti	ude imbalan	ce (mean) 1 dB" tells us th	hat the mean of the	e I-O amplitude
For frequencies >-3 dB Transmit spectrum (mi	point See 156.9.4 n):				must be exa	ctly 1 dB, which is not des		
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB	point See 156.9.4 n): point See 156.9.4"	dD points, and it is	not close whether	imbalance	must be exa e.			
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be	point See 156.9.4 n):		not clear whether	imbalance not possibl SuggestedRem In in 156.9.	must be exa e. <i>nedy</i> .12, change l	ctly 1 dB, which is not des	sirable and as ther	e is no tolerance giver
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be they are points of the s	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 o		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance	must be exa e. <i>hedy</i> .12, change l ', which is the	ctly 1 dB, which is not des both "I-Q amplitude imbala e name in 400ZR.	sirable and as ther ance (mean)" to "l	e is no tolerance giver Mean I-Q amplitude
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 o ignal's spectrum or of the ma		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance Here, chan	must be exa e. <i>nedy</i> .12, change l ', which is the ge "I-Q amp	ctly 1 dB, which is not des	sirable and as ther ance (mean)" to "l to "Mean I-Q ampl	e is no tolerance giver Mean I-Q amplitude
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be they are points of the s SuggestedRemedy	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 o ignal's spectrum or of the ma		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance Here, chan	must be exa e. 12, change l ', which is the ge "I-Q amp is is an uppe	ctly 1 dB, which is not des both "I-Q amplitude imbala e name in 400ZR. litude imbalance (mean)"	sirable and as ther ance (mean)" to "l to "Mean I-Q ampl	e is no tolerance giver Mean I-Q amplitude
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be they are points of the s uggestedRemedy Transmit spectrum (rar	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 ( ignal's spectrum or of the ma nge) See 156.9.4		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance" Here, chan because th Proposed Resp	must be exa e. 12, change l ', which is the ge "I-Q amp is is an uppe	ctly 1 dB, which is not des both "I-Q amplitude imbala e name in 400ZR. litude imbalance (mean)" er limit, not a required targ	sirable and as ther ance (mean)" to "l to "Mean I-Q ampl	e is no tolerance giver Mean I-Q amplitude
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be they are points of the s uggestedRemedy Transmit spectrum (rar	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 ( ignal's spectrum or of the ma nge) See 156.9.4		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance" Here, chan because th Proposed Resp	must be exa e. 12, change l ', which is the ge "I-Q amp is is an uppe ponse	ctly 1 dB, which is not des both "I-Q amplitude imbala e name in 400ZR. litude imbalance (mean)" er limit, not a required targ <i>Response Status</i> <b>O</b>	sirable and as ther ance (mean)" to "l to "Mean I-Q ampl et. <i>L</i> <b>54</b>	e is no tolerance giver Mean I-Q amplitude itude imbalance (max
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be they are points of the s uggestedRemedy Transmit spectrum (rar	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 ( ignal's spectrum or of the ma nge) See 156.9.4		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance Here, chan because th Proposed Resp C/ <b>156</b> S	must be exa e. .12, change l ', which is the ge "I-Q amp is is an uppe bonse C <b>156.7.1</b>	ctly 1 dB, which is not des both "I-Q amplitude imbala e name in 400ZR. litude imbalance (mean)" er limit, not a required targ <i>Response Status</i> <b>O</b> <i>P</i> <b>97</b>	sirable and as ther ance (mean)" to "l to "Mean I-Q ampl et. <i>L</i> <b>54</b>	e is no tolerance giver Mean I-Q amplitude itude imbalance (max
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be they are points of the s uggestedRemedy Transmit spectrum (rar	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 ( ignal's spectrum or of the ma nge) See 156.9.4		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance" Here, chan because th Proposed Resp C/ 156 S Maniloff, Eric Comment Type The Tx close	must be exa e. .12, change l ', which is the ge "I-Q amp is is an uppe bonse C 156.7.1 C TR ck phase noi	ctly 1 dB, which is not des both "I-Q amplitude imbala e name in 400ZR. litude imbalance (mean)" er limit, not a required targ <i>Response Status</i> <b>O</b> <i>P</i> <b>97</b> Ciena Corp	sirable and as ther ance (mean)" to "I to "Mean I-Q ampl et. <i>L</i> 54 poration . Tx clock noise is	e is no tolerance giver Mean I-Q amplitude itude imbalance (max # <u>I-122</u>
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be they are points of the s uggestedRemedy Transmit spectrum (rar	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 ( ignal's spectrum or of the ma nge) See 156.9.4		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance" Here, chan because th Proposed Resp C/ 156 S Maniloff, Eric Comment Type The Tx close	must be exa e. 12, change l ', which is the ge "I-Q amp is is an uppe bonse C 156.7.1 C 156.7.1 C TR ck phase noi and is need	ctly 1 dB, which is not des both "I-Q amplitude imbala e name in 400ZR. litude imbalance (mean)" er limit, not a required targ <i>Response Status</i> <b>O</b> <i>P</i> 97 Ciena Corp <i>Comment Status</i> <b>X</b> ise is not currently defined	sirable and as ther ance (mean)" to "I to "Mean I-Q ampl et. <i>L</i> 54 poration . Tx clock noise is	e is no tolerance giver Mean I-Q amplitude itude imbalance (max # <u>I-122</u>
For frequencies >-3 dB Transmit spectrum (min For frequencies >-9 dB There are limits both be they are points of the s <i>tuggestedRemedy</i> Transmit spectrum (rar	point See 156.9.4 n): point See 156.9.4" efore and after the -3 and -9 ( ignal's spectrum or of the ma nge) See 156.9.4		not clear whether	imbalance not possibl SuggestedRem In in 156.9. imbalance Here, chan because th Proposed Resp C/ 156 S Maniloff, Eric Comment Type The Tx cloo parameter, SuggestedRem Add specifi the OIF 400	must be exa e. 12, change l y, which is the ge "I-Q amp is is an uppe bonse C 156.7.1 C 156.7.1 C TR ck phase noi and is need bedy ications for T 0ZR IA 2.0 p	ctly 1 dB, which is not des both "I-Q amplitude imbala e name in 400ZR. litude imbalance (mean)" er limit, not a required targ <i>Response Status</i> <b>O</b> <i>P</i> 97 Ciena Corp <i>Comment Status</i> <b>X</b> ise is not currently defined	sirable and as ther ance (mean)" to "I to "Mean I-Q ampl et. <i>L</i> 54 poration . Tx clock noise is s. specifications in 1 pring 3 frequency r	e is no tolerance giver Mean I-Q amplitude itude imbalance (max # <u>I-122</u> an important 3.3.123a, b, & c from

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C/ 156 SC 156.7.1	P98	L7	# I-173	C/ 156 SC 156.8	P100	L24	# 176
Dawe, Piers J G	P 38 NVIDIA	L1	<i>π</i> I-175	Dawe, Piers J G	NVIDIA	L27	# <u>I-176</u>
Comment Type T	Comment Status X			Comment Type TR	Comment Status X		
It seems strange that adjustable power sett adjustable power sett SuggestedRemedy	there is a spec for minimum a ting, but not for maximum aver ting.			Footnote a, for black the DWDM channel 1. Not clear what no 2. Not clear what oth	link ripple, says "Only used to	xcluded.	Ū
Add the second spec	as appropriate			4. 156.9.25 says sor	nething different.	-	
Proposed Response	Response Status O			SuggestedRemedy Delete footnote a			
C/ 156 SC 156.7.1		L13	# 1-174	Proposed Response	Response Status O		
Dawe, Piers J G Comment Type <b>TR</b>	NVIDIA Comment Status X			C/ 156 SC 156.8		L35	# 1-72
					P100		
should be in the defir measurements) is no SuggestedRemedy Move the sentence to averaging".	wer stability is measured in tim hition subclause 156.9.18, not	here, and "interv	als" (the gaps between	Bruckman, Leon Comment Type T Floor is a parameter Also the name is cor SuggestedRemedy	Huawei Comment Status X in the equation, but in contrast fusing since there is a "floor" f g the name from "Floor" to sor Response Status O	function in the sta	meters it is not itelize andard
should be in the defir measurements) is no uggestedRemedy Move the sentence to averaging". roposed Response	wer stability is measured in tim hition subclause 156.9.18, not t the right word. 0 156.9.18, change "time interv <i>Response Status</i> <b>O</b> <i>P</i> 100	here, and "interv	als" (the gaps between	Bruckman, Leon Comment Type <b>T</b> Floor is a parameter Also the name is cor SuggestedRemedy Considering changin	Huawei Comment Status X in the equation, but in contrast offusing since there is a "floor" f g the name from "Floor" to sor	function in the sta	meters it is not itelize andard ybe "FI") and italize it
should be in the defir measurements) is no suggestedRemedy Move the sentence to averaging". Proposed Response	wer stability is measured in tim hition subclause 156.9.18, not t the right word. 0 156.9.18, change "time interv <i>Response Status</i> <b>O</b> <i>P</i> <b>100</b> NVIDIA	here, and "interv	als" (the gaps between ement window for	Bruckman, Leon Comment Type T Floor is a parameter Also the name is cor SuggestedRemedy Considering changin Proposed Response	Huawei <i>Comment Status</i> X in the equation, but in contrast infusing since there is a "floor" f g the name from "Floor" to sor <i>Response Status</i> O	unction in the sta	meters it is not itelize andard
should be in the defir measurements) is no SuggestedRemedy Move the sentence to averaging". Proposed Response Cl 156 SC 156.8 Dawe, Piers J G Comment Type E	wer stability is measured in tim hition subclause 156.9.18, not t the right word. 0 156.9.18, change "time interv <i>Response Status</i> <b>O</b> <i>P</i> 100	here, and "interv	als" (the gaps between ement window for	Bruckman, Leon <i>Comment Type</i> <b>T</b> Floor is a parameter Also the name is cor <i>SuggestedRemedy</i> Considering changin <i>Proposed Response</i> <i>Cl</i> <b>156</b> <i>SC</i> <b>156.8</b> Dawe, Piers J G	Huawei <i>Comment Status</i> X in the equation, but in contrast fusing since there is a "floor" f g the name from "Floor" to sor <i>Response Status</i> O <i>P</i> 100	unction in the sta	meters it is not itelize andard ybe "FI") and italize it
should be in the defir measurements) is no SuggestedRemedy Move the sentence to averaging". Proposed Response Cl 156 SC 156.8 Dawe, Piers J G Comment Type E 2.0 SuggestedRemedy	wer stability is measured in tim hition subclause 156.9.18, not t the right word. 0 156.9.18, change "time interv <i>Response Status</i> <b>O</b> <i>P</i> <b>100</b> NVIDIA	here, and "interv	als" (the gaps between ement window for	Bruckman, Leon <i>Comment Type</i> <b>T</b> Floor is a parameter Also the name is cor <i>SuggestedRemedy</i> Considering changin <i>Proposed Response</i> <i>Cl</i> <b>156</b> SC <b>156.8</b> Dawe, Piers J G <i>Comment Type</i> <b>ER</b>	Huawei <i>Comment Status</i> X in the equation, but in contrast fusing since there is a "floor" f g the name from "Floor" to sor <i>Response Status</i> O <i>P</i> 100 NVIDIA <i>Comment Status</i> X ket too many: see D2.5 comm	function in the sta nething else (may <i>L</i> 35	meters it is not itelize andard ybe "FI") and italize it # <u>I-177</u>
should be in the defir measurements) is no SuggestedRemedy Move the sentence to averaging". Proposed Response Cl 156 SC 156.8 Dawe, Piers J G Comment Type E 2.0 SuggestedRemedy 2	wer stability is measured in tim ition subclause 156.9.18, not t the right word. 0 156.9.18, change "time interv <i>Response Status</i> <b>O</b> <i>P</i> 100 NVIDIA <i>Comment Status</i> <b>X</b>	here, and "interv	als" (the gaps between ement window for	Bruckman, Leon <i>Comment Type</i> <b>T</b> Floor is a parameter Also the name is cor <i>SuggestedRemedy</i> Considering changin <i>Proposed Response</i> <i>Cl</i> <b>156</b> <i>SC</i> <b>156.8</b> Dawe, Piers J G <i>Comment Type</i> <b>ER</b> Still one square brace	Huawei <i>Comment Status</i> X in the equation, but in contrast fusing since there is a "floor" f g the name from "Floor" to sor <i>Response Status</i> O <i>P</i> 100 NVIDIA <i>Comment Status</i> X ket too many: see D2.5 comm	function in the sta nething else (may <i>L</i> 35	meters it is not itelize andard ybe "FI") and italize it # <u>I-177</u>
should be in the defir measurements) is no SuggestedRemedy Move the sentence to averaging". Proposed Response CI 156 SC 156.8 Dawe, Piers J G Comment Type E 2.0 SuggestedRemedy	wer stability is measured in tim hition subclause 156.9.18, not t the right word. 0 156.9.18, change "time interv <i>Response Status</i> <b>O</b> <i>P</i> <b>100</b> NVIDIA	here, and "interv	als" (the gaps between ement window for	Bruckman, Leon <i>Comment Type</i> <b>T</b> Floor is a parameter Also the name is cor <i>SuggestedRemedy</i> Considering changin <i>Proposed Response</i> <i>Cl</i> <b>156</b> <i>SC</i> <b>156.8</b> Dawe, Piers J G <i>Comment Type</i> <b>ER</b> Still one square bracc maniloff_3cw_01_23	Huawei <i>Comment Status</i> X in the equation, but in contrast fusing since there is a "floor" f g the name from "Floor" to sor <i>Response Status</i> O <i>P</i> 100 NVIDIA <i>Comment Status</i> X ket too many: see D2.5 comm. 0925	function in the sta nething else (may <i>L</i> 35	meters it is not itelize andard ybe "FI") and italize it # <u>I-177</u>

C/ 156 SC 156.8

C/ 156 SC 156.8	P <b>100</b>	L <b>35</b>	# I-81	C/ 156	SC 156.8	P <b>101</b>	L <b>6</b>	# I-178
Issenhuth, Tom	Huawei Tech	nologies Co., Ltd	Issenhuth Consulting,	Dawe, Pier	rs J G	NVIDIA		
Comment Type E	Comment Status X			Comment 7	Type E	Comment Status X		
There are unneeded	brackets in Equation 156-1			Incons	istent and unus	ual way of presenting units		
SuggestedRemedy				Suggested	Remedy			
Delete the first "[" bra	acket and the last "]" bracket in	the equation		0	e header row to			
Proposed Response	Response Status O					z) Isolation (dB) dy, delete third column		
				Proposed F	Response	Response Status O		
C/ 156 SC 156.8	P101	L	# I-144					
Stassar, Peter	Huawei Tech	nologies Co., Ltd		C/ 156	SC 156.8	P101	L <b>34</b>	# I-179
Comment Type TR	Comment Status X			Dawe, Pier	rs J G	NVIDIA		L.
	es values for Adjacent channel		without indicating	Comment T		Comment Status X		
		400 1						
	nits (min or max). The text on p ded to the table as well.	bage 100 is clear t	hat it is an upper limit		51	mpare Fig 156-7		
		bage 100 is clear	hat it is an upper limit		is a bitmap - co			
but it needs to be add SuggestedRemedy		bage 100 is clear t	hat it is an upper limit	Figure <i>Suggested</i> Re-inse	is a bitmap - co <i>Remedy</i> ert the figure the	mpare Fig 156-7 e proper way, document the n	nethod in	
but it needs to be add SuggestedRemedy	ded to the table as well. per limit in Table 156-10	bage 100 is clear t	hat it is an upper limit	Figure <i>Suggested</i> Re-inse https://	is a bitmap - co <i>Remedy</i> ert the figure the /ieee802.org/3/V	mpare Fig 156-7	nethod in	
but it needs to be add SuggestedRemedy Add indication of upp	ded to the table as well.	bage 100 is clear t	hat it is an upper limit	Figure <i>Suggested</i> Re-inse	is a bitmap - co <i>Remedy</i> ert the figure the /ieee802.org/3/V	mpare Fig 156-7 e proper way, document the n	nethod in	
but it needs to be add SuggestedRemedy Add indication of upp Proposed Response	ded to the table as well. per limit in Table 156-10	bage 100 is clear t	hat it is an upper limit # [ <del>-82</del>	Figure Suggested Re-inse https:// Proposed F	is a bitmap - cc <i>Remedy</i> ert the figure th /ieee802.org/3/V <i>Response</i>	mpare Fig 156-7 e proper way, document the n VG_tools/editorial/ <i>Response Status</i> <b>O</b>		
but it needs to be add SuggestedRemedy Add indication of upp Proposed Response	ded to the table as well. per limit in Table 156-10 <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b>	L <b>4</b>		Figure Suggested Re-inse https:// Proposed F C/ <b>156</b>	is a bitmap - co Remedy ert the figure the fieee802.org/3/V Response SC <b>156.8</b>	mpare Fig 156-7 e proper way, document the m VG_tools/editorial/ <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b>	L <b>53</b>	# [ <u>-83</u>
but it needs to be add SuggestedRemedy Add indication of upp Proposed Response Cl 156 SC 156.8 ssenhuth, Tom	ded to the table as well. per limit in Table 156-10 <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b>	L <b>4</b>	# <u>1-82</u>	Figure Suggested Re-inse https:// Proposed F  C/ <b>156</b> Issenhuth,	is a bitmap - co Remedy ert the figure the fieee802.org/3/V Response SC <b>156.8</b> Tom	mpare Fig 156-7 e proper way, document the n VG_tools/editorial/ <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech	L <b>53</b>	
but it needs to be add SuggestedRemedy Add indication of upp Proposed Response Cl 156 SC 156.8 Issenhuth, Tom Comment Type E	ded to the table as well. ber limit in Table 156-10 <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech	L <b>4</b>	# <u>1-82</u>	Figure Suggested Re-inse https:// Proposed F C/ <b>156</b> Issenhuth, Comment T	is a bitmap - cc Remedy ert the figure the fieee802.org/3/V Response SC <b>156.8</b> Tom Type <b>E</b>	mpare Fig 156-7 e proper way, document the n VG_tools/editorial/ <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech <i>Comment Status</i> <b>X</b>	L <b>53</b> nologies Co., Ltd	Issenhuth Consulting
but it needs to be add SuggestedRemedy Add indication of upp Proposed Response Cl 156 SC 156.8 Issenhuth, Tom Comment Type E The formatting of Tal SuggestedRemedy	ded to the table as well. ber limit in Table 156-10 <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech <i>Comment Status</i> <b>X</b> ble 156-10 can be improved	L4 Inologies Co., Ltd	# <u>I-82</u> Issenhuth Consulting,	Figure Suggested Re-inse https:// Proposed F C/ 156 Issenhuth, Comment T Figure	is a bitmap - cc Remedy ert the figure the fieee802.org/3/V Response SC <b>156.8</b> Tom Type <b>E</b>	mpare Fig 156-7 e proper way, document the n VG_tools/editorial/ <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech <i>Comment Status</i> <b>X</b> appear to follow the IEEE SA	L <b>53</b> nologies Co., Ltd	Issenhuth Consulting
but it needs to be add SuggestedRemedy Add indication of upp Proposed Response Cl 156 SC 156.8 Issenhuth, Tom Comment Type E The formatting of Tal SuggestedRemedy In the first column of	ded to the table as well. ber limit in Table 156-10 <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech <i>Comment Status</i> <b>X</b> ble 156-10 can be improved Table 156-10 change the head	L4 Inologies Co., Ltd der to "Frequency	# [ <u>I-82</u> Issenhuth Consulting, offset (GHz)" and	Figure Suggested Re-inse https:// Proposed F C/ 156 Issenhuth, Comment T Figure	is a bitmap - cc <i>Remedy</i> ert the figure the lieee802.org/3/V <i>Response</i> <i>SC</i> <b>156.8</b> Tom <i>Type</i> <b>E</b> 156-6 does not ements for creating	mpare Fig 156-7 e proper way, document the n VG_tools/editorial/ <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech <i>Comment Status</i> <b>X</b> appear to follow the IEEE SA	L <b>53</b> nologies Co., Ltd	Issenhuth Consulting
but it needs to be add SuggestedRemedy Add indication of upp Proposed Response Cl 156 SC 156.8 Issenhuth, Tom Comment Type E The formatting of Tal SuggestedRemedy In the first column of	ded to the table as well. ber limit in Table 156-10 <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech <i>Comment Status</i> <b>X</b> ble 156-10 can be improved Table 156-10 change the head e values. In the second colum	L4 Inologies Co., Ltd der to "Frequency	# [ <u>I-82</u> Issenhuth Consulting, offset (GHz)" and	Figure Suggested Re-inse https:// Proposed F C/ 156 Issenhuth, Comment T Figure Require Suggested	is a bitmap - cc Remedy ert the figure the fieee802.org/3/V Response SC 156.8 Tom Type E 156-6 does not ements for creat Remedy	mpare Fig 156-7 e proper way, document the n VG_tools/editorial/ <i>Response Status</i> <b>O</b> <i>P</i> <b>101</b> Huawei Tech <i>Comment Status</i> <b>X</b> appear to follow the IEEE SA	L <b>53</b> nologies Co., Ltd Standards Style	,Issenhuth Consultin Manual, 17.1

C/ 156 SC 156.8

C/ 156	SC 156.8	P <b>102</b>	L <b>40</b>	# I-180	C/ 156	SC 156.9.1	P <b>102</b>	L <b>2</b> 7	# <mark>I-181</mark>
Dawe, Pie	rs J G	NVIDIA			Dawe, Pie	rs J G	NVIDIA		
Comment	Туре Е	Comment Status X			Comment	Type <b>TR</b>	Comment Status X		
		to indicate which side of a li	ne one should b	e, set up years ago.		is no side-modenit spectrum cov	e suppression ratio (SMSR) sį vers it.	pec in this draft (	or in 400ZR). The
Suggested	•	4		l	Suggested	IRemedv			
	to "Meets equati	eets equation constraints". I on constraints"	n Figure 156-7,	change Compliant	00	2	e other mentions of side-mod	e suppression ra	atio or SMSR. If
Proposed I	•	Response Status O					DTE to 156.9.4 Transmit spects no need for a separate spec.		hat this item will catch
					Proposed	Response	Response Status O		
C/ <b>156</b>	SC 156.9	P105	L <b>53</b>	# I-85					
Issenhuth,	, Tom	Huawei Tech	nologies Co., Lto	I,Issenhuth Consulting,	C/ 156	SC 156.9.1	P103	L <b>24</b>	# I-182
Comment	51	Comment Status X			Dawe. Pie	rs J G	NVIDIA		
		n states "shall be within the l			Comment	Type <b>TR</b>	Comment Status X		
		table is stated as a (max) ar re additional similar instance			The in	formation that t	his fragment in table footnote	a for ripple "Rela	ative to TP2 transmit
Suggested	IRemedy				channe		er." hints at without enough cla		
Table		the limits given in Table 156 all the parameter defintions i to a single value.			Suggested Delete	•	Jsing complete sentences, en	sure the informa	tion is given in 156.9.2
Proposed	Response	Response Status <b>O</b>			Proposed	Response	Response Status <b>O</b>		
C/ <b>156</b>	SC 156.9.1	P102	L11	# [-117	C/ 156	SC 156.9.4	<i>P</i> 103	L <b>40</b>	# I-183
Rolfe, Ben	ijamin	Blind Creek A	ssociates		Dawe, Pie	rs J G	NVIDIA		
Comment	Type <b>TR</b>	Comment Status X			Comment	Type <b>TR</b>	Comment Status X		
perforr of norr	m that test. " Not a mative "may" as it	given for a particular test in at all clear what this is intend is clearly not defining a requ	ded to convey, b uirement. It app	ut it is an incorrect use ears to me that this is	measu		lized transmit spectrum shall 280-1-3. As far as I know, IEC		
		the table provides test patte			Suggested	Remedy			
though	n "that test" makes	rmant to a requirement defir s it rather hard to know what thing which is clear is that t	exactly is mean	t (any pattern is usable		e the definition rmalized".	to align with the terminology in	n IEC 61280-1-3	or define what is mea

#### SuggestedRemedy

Delete the sentence.

Proposed Response Response Status O

the sentence gives no information usable to the user of the standard.

Proposed Response

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

C/ 156 SC 156.9.4

Response Status O

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IEEE P802.3cw D3.0 400 Gb/s over DWDM s	ystems Initial Sponsor ballot comments
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C/ 156 SC 156.9.4	P103	L <b>47</b>	# I-184	C/ 156 SC 156.9	).5 <i>P</i> 104	L <b>48</b>	# I-206
Dawe, Piers J G	NVIDIA			Dawe, Piers J G	NVIDIA		
Comment Type TR	Comment Status X			Comment Type TR	Comment Status X		
It is too confusing to c	all an upper limit a "floor". The	e word is not ne	eded here.	The mask must ha	ve a specific start frequency, not	less than 100 ⊦	lz"
SuggestedRemedy				SuggestedRemedy			
0 1	floor has a value of –20 dB at			Delete "less than"			
•	greater than 40.4 GHz, the up	per limit is -20 d	IB .	Proposed Response	Response Status <b>O</b>		
Proposed Response	Response Status O				·		
			"	C/ 156 SC 156.9	9.5 <i>P</i> 104	L <b>48</b>	# I <u>-205</u>
C/ 156 SC 156.9.4	P104	L <b>21</b>	# I-185	Dawe, Piers J G	NVIDIA		
Dawe, Piers J G	NVIDIA			Comment Type TR	Comment Status X		
Comment Type E	Comment Status X			"by interpolation" is	s ambiguous		
Upper Mask, Lower N	lask, Compliant Region			SuggestedRemedy			
SuggestedRemedy				Say whether this is	lin-lin, lin-log, log-log or what kir	nd of interpolatior	۱.
Upper mask, Lower m	nask, Meets equation constrain	ts		Proposed Response	Response Status <b>O</b>		
Proposed Response	Response Status O			, ,	· · · · · · · · · · · · · · · · · · ·		
				C/ 156 SC 156.9	0.5 <i>P</i> 104	L <b>48</b>	# <u>I-186</u>
C/ 156 SC 156.9.4	P <b>104</b>	L <b>22</b>	# 1-84	Dawe, Piers J G	NVIDIA		
ssenhuth, Tom	Huawei Techi	nologies Co., Lto	d,Issenhuth Consulting,	Comment Type TR	Comment Status X		
Comment Type E	Comment Status X			"frequency noise" i	s still undefined - this has been a	a known issue for	a long time. According
	ndards Style Manual only the ir	itial letter of the	e first word and proper	to its units, it canno	ot be a power spectral density.		
nouns should be capit	lanzed			SuggestedRemedy			
SuggestedRemedy				•	th the IEEE-defined term "phase	,	
In Figure 156-7 chang mask"	je "Upper Mask" to "Upper ma	sk and change	Lower Mask" to Lower	0,7	or provide a proper definition of "f	requency noise".	
				Proposed Response	Response Status <b>O</b>		

C/ 156 SC 156.9.5

	.5 <i>P</i> 105	L <b>1</b>	# I-207	C/ 156 SC 156.9.	5 <i>P</i> 105	L <b>24</b>	# I-210
Dawe, Piers J G	NVIDIA			Dawe, Piers J G	NVIDIA		
Comment Type TR	Comment Status X			Comment Type TR	Comment Status X		
	ot actionable. It does not point of			Range of frequencie	es in table does not agree with t	ext. Figure 156-	8 differs again.
	width". The definition of maximu o terse and arcane, and calls the e.			SuggestedRemedy Add another row to t	the table, 2.9921875 x 10^10 1	.6 x 10^5	
SuggestedRemedy				Add this point to the	figure and finish the horizontal	limit line at it	
Make this paragraph	h an informative NOTE. Add: used in G.698.2 is not spectral w	<i>v</i> idth.		Proposed Response	Response Status O		
Proposed Response	Response Status O			C/ 156 SC 156.9.	5 <i>P</i> 105	L <b>32</b>	# I-211
				Dawe, Piers J G	NVIDIA		
X 156 SC 156.9.	.5 P105	L <b>12</b>	# I-208	Comment Type TR	Comment Status X		
Dawe, Piers J G	NVIDIA			X: Y: add clutter, an	d the axes are f and noise powe	er not X and Y	
	Comment Status X			SuggestedRemedy			
Comment Type TR				Suggesteurreineuy			
51	miliar term but ambiguous.			Delete X: and Y: .	r analish without airing the ass	ardinataa in it an	d thay are given in the
"One-sided" is a fan				Delete X: and Y: . As the graph is clea	r enough wiithout giving the coo pove, delete them and the dots.		d they are given in the
51	miliar term but ambiguous.			Delete X: and Y: . As the graph is clea			d they are given in the
"One-sided" is a fan uggestedRemedy Spell out what is me	miliar term but ambiguous.			Delete X: and Y: . As the graph is clea table immediately al	pove, delete them and the dots.		d they are given in the
"One-sided" is a fan uggestedRemedy Spell out what is me Proposed Response	niliar term but ambiguous. eant <i>Response Status</i> <b>O</b>	/ 12	# [_209	Cl 156 SC 156.9.	bove, delete them and the dots. <i>Response Status</i> O 5 <i>P</i> 105		d they are given in the # [ <u>-212</u>
"One-sided" is a fan SuggestedRemedy Spell out what is me Proposed Response	miliar term but ambiguous. eant <i>Response Status</i> <b>O</b> .5 <i>P</i> 105	L12	# [ <u>-209</u> ]	Cl <b>156</b> SC <b>156.9.</b> Dawe, Piers J G	5 P105 NVIDIA		
"One-sided" is a fan SuggestedRemedy Spell out what is me Proposed Response	niliar term but ambiguous. eant <i>Response Status</i> <b>O</b>	L12	# [ <u>-209</u> ]	Cl 156 SC 156.9.	5 P105 NVIDIA Comment Status X		
"One-sided" is a fan SuggestedRemedy Spell out what is me Proposed Response C/ 156 SC 156.9. Dawe, Piers J G Comment Type TR	niliar term but ambiguous. eant <i>Response Status</i> <b>O</b> .5 <i>P</i> 105 NVIDIA <i>Comment Status</i> <b>X</b> ency noise", Hz^2/Hz, which are			Cl 156 SC 156.9. Dawe, Piers J G Comment Type E Wrong kind of brack	5 P105 NVIDIA Comment Status X Status X	L <b>32</b>	
"One-sided" is a fan SuggestedRemedy Spell out what is me Proposed Response Cl <b>156</b> SC <b>156.9.</b> Dawe, Piers J G Comment Type <b>TR</b> The units of "freque	niliar term but ambiguous. eant <i>Response Status</i> <b>O</b> .5 <i>P</i> 105 NVIDIA <i>Comment Status</i> <b>X</b> ency noise", Hz^2/Hz, which are			Cl 156 SC 156.9. Dawe, Piers J G Comment Type E Wrong kind of brack SuggestedRemedy Change the square	5 P105 NVIDIA Comment Status X	L <b>32</b>	
"One-sided" is a fan SuggestedRemedy Spell out what is me Proposed Response Cl 156 SC 156.9. Dawe, Piers J G Comment Type TR The units of "freque that this cannot be p SuggestedRemedy	niliar term but ambiguous. eant <i>Response Status</i> <b>O</b> .5 <i>P</i> 105 NVIDIA <i>Comment Status</i> <b>X</b> ency noise", Hz^2/Hz, which are	assumed to be c	correct, show clearly	Cl 156 SC 156.9. Dawe, Piers J G Comment Type E Wrong kind of brack	5 P105 NVIDIA Comment Status X Status X	L <b>32</b>	

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

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C/ 156 SC 156.9.6	P105	L <b>54</b>	# I-187	C/ 156 SC 156.9.	IO P106	L <b>26</b>	# I-191
Dawe, Piers J G	NVIDIA			Dawe, Piers J G	NVIDIA		
<i>Comment Type</i> <b>T</b> "within the limits" but	<i>Comment Status</i> <b>X</b> there is only a maximum of an	unsigned quantity	y	Comment Type <b>T</b> "within the limits" bu	Comment Status X there is only a maximum of a	n unsigned quant	lity
SuggestedRemedy As in 156.9.24 25 26 Proposed Response	27 and 28, change to (preferat Response Status <b>O</b>	oly) below the limi	t, or within the limit	<i>SuggestedRemedy</i> below the limit Same in 156.9.11.			
				Proposed Response	Response Status O		
C/ 156 SC 156.9.7	P106	L <b>4</b>	# I-188		10 <i>P</i> 106	L28	# 1-192
Dawe, Piers J G	NVIDIA			Dawe, Piers J G	NVIDIA	220	# <u>1-132</u>
Comment Type T	Comment Status X			Comment Type TR	Comment Status X		
SuggestedRemedy below the limit	there is only a maximum of an	unsigned quantity	y	Imean and Qmean a	re not defined. Same issue in ese could be obtained from the		
				SuggestedRemedy			
Proposed Response	Response Status <b>O</b>			Define Imean and Q here.	mean and Psignal, e.g. in the	EVM section, and	d cross-reference fron
· · ·		L9	# 1-189		mean and Psignal, e.g. in the <i>Response Status</i> <b>O</b>	EVM section, and	l cross-reference from
C/ 156 SC 156.9.8		L <b>9</b>	# [-189	here.		EVM section, and	d cross-reference fron
C/ <b>156</b> SC <b>156.9.8</b> Dawe, Piers J G	P106	L9	# [ <u>I-189</u>	here.	Response Status <b>O</b>	EVM section, and	d cross-reference from # <u>I-123</u>
C/ <b>156</b> SC <b>156.9.8</b> Dawe, Piers J G Comment Type <b>T</b>	P <b>106</b> NVIDIA			here. Proposed Response	Response Status <b>O</b>	L28	
Cl <b>156</b> SC <b>156.9.8</b> Dawe, Piers J G Comment Type <b>T</b> "within the limits" but	P <b>106</b> NVIDIA Comment Status <b>X</b>			here. Proposed Response CI 156 SC 156.9. Maniloff, Eric Comment Type E	Response Status O	L28	
Cl <b>156</b> SC <b>156.9.8</b> Dawe, Piers J G Comment Type <b>T</b> "within the limits" but SuggestedRemedy below the limit	P <b>106</b> NVIDIA Comment Status <b>X</b>			here. Proposed Response CI 156 SC 156.9. Maniloff, Eric Comment Type E log10 is written witho SuggestedRemedy	Response Status O 10 P106 Ciena Corpo Comment Status X	L28	
Cl <b>156</b> SC <b>156.9.8</b> Dawe, Piers J G Comment Type <b>T</b> "within the limits" but SuggestedRemedy below the limit Proposed Response	P106 NVIDIA <i>Comment Status</i> X there is only a maximum of an <i>Response Status</i> O			here. Proposed Response CI 156 SC 156.9. Maniloff, Eric Comment Type E log10 is written witho SuggestedRemedy	Response Status O P106 Ciena Corpo Comment Status X but the 10 in a subscript.	L28	
Cl 156 SC 156.9.8 Dawe, Piers J G Comment Type T "within the limits" but SuggestedRemedy below the limit Proposed Response	P <b>106</b> NVIDIA <i>Comment Status</i> X there is only a maximum of an <i>Response Status</i> O	unsigned quantity	y	here. Proposed Response Cl 156 SC 156.9. Maniloff, Eric Comment Type E log10 is written witho SuggestedRemedy Update term to indic	Response Status O Response Status O Response Status O Response Status V Ciena Corpo Comment Status X out the 10 in a subscript. ate the 10 in a subscript	L28	
Cl <b>156</b> SC <b>156.9.8</b> Dawe, Piers J G Comment Type <b>T</b> "within the limits" but SuggestedRemedy below the limit Proposed Response Cl <b>156</b> SC <b>156.9.9</b> Dawe, Piers J G Comment Type <b>T</b>	P106 NVIDIA Comment Status X there is only a maximum of an Response Status O P106	unsigned quantity	y	here. Proposed Response Cl 156 SC 156.9. Maniloff, Eric Comment Type E log10 is written witho SuggestedRemedy Update term to indic	Response Status O Response Status O Response Status O Response Status V Ciena Corpo Comment Status X out the 10 in a subscript. ate the 10 in a subscript	L28	
Dawe, Piers J G Comment Type T "within the limits" but SuggestedRemedy below the limit Proposed Response CI 156 SC 156.9.9 Dawe, Piers J G Comment Type T	P106 NVIDIA Comment Status X there is only a maximum of an Response Status O P106 NVIDIA Comment Status X	unsigned quantity	y	here. Proposed Response Cl 156 SC 156.9. Maniloff, Eric Comment Type E log10 is written witho SuggestedRemedy Update term to indic	Response Status O Response Status O Response Status O Response Status V Ciena Corpo Comment Status X out the 10 in a subscript. ate the 10 in a subscript	L28	

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

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CI 156 SC 156.9.10	) P106	L <b>28</b>	# I-194	C/ 156 SC 1	56.9.12	P106	L <b>39</b>	# <mark>I-195</mark>
Dawe, Piers J G	NVIDIA			Dawe, Piers J G		NVIDIA		
Comment Type <b>TR</b> Measurement interval "averaging period"	Comment Status X would be the distance in time	between measu	rements. 400ZR says	"within the limit		<i>Comment Status</i> <b>X</b> e is only a maximum of a p	oositive quantity	
SuggestedRemedy	nt interval" to "measurement w	indow for overe	zina"	SuggestedRemedy below the limit				
Proposed Response	Response Status <b>O</b>		ying .	Proposed Respons	se	Response Status <b>O</b>		
	) <i>P</i> 106	L28	# 1-86		56.9.13	P106	L <b>41</b>	# I-197
Issenhuth, Tom			d,Issenhuth Consulting,	Dawe, Piers J G		NVIDIA		
Comment Type E	Comment Status X a subscript. Same in 156.9.11	-	,			Comment Status X nitude". Here, it indicates t it a similar point applies to		
SuggestedRemedy				SuggestedRemedy	/			
In 156.9.10 and 156.9 Proposed Response	11 change the base of the log Response Status <b>O</b>	in the calculation	ons to subscript	Use "magnitud abs() in a defir	•	ity names consistently. Al	ternatives are +/	- in the spec limit, or
rioposed Response				Proposed Respons	se	Response Status <b>O</b>		
C/ 156 SC 156.9.10		L <b>28</b>	# I-193	C/ 156 SC 1	56.9.13	P106	L <b>41</b>	# I-196
Dawe, Piers J G	NVIDIA			Dawe. Piers J G		NVIDIA		
Comment Type E	Comment Status X a subscript. Same in 156.9.11			Comment Type	TR	Comment Status X		
SuggestedRemedy						ne name of a quantity whic ive to say " (max) (max)"		d maximum. The
Make the 10 a subscr	ipt in both subclauses			SuggestedRemedy	/			
Proposed Response	Response Status O			define maximu Or as it is the o	ım; what po	magnitude (max)" to "Maxi pulation, what probability. ase error spec inm this dra		-
C/ 156 SC 156.9.11		L <b>34</b>	# I-124	magnitude".				
Maniloff, Eric	Ciena Corpora	ation		Proposed Respons	se	Response Status O		
Comment Type E log10 is written withou	Comment Status X It the 10 in a subscript.							
SuggestedRemedy Update term to indica	te the 10 in a subscript							

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

C/ 156 SC 156.9.13

C/ 156 SC 156.9.1	I3 P106	L <b>43</b>	# I-198	C/ 156 SC 156.	.9.14 P106	L <b>49</b>	# I-202
Dawe, Piers J G	NVIDIA			Dawe, Piers J G	NVIDIA		
Comment Type TR	Comment Status X			Comment Type TF	R Comment Status X		
	magnitude (max) is the *larges			This says that the	e I-Q quadrature skew is the ma	aximum *relative* sk	kew": tautology.
	adrature component Q of the si	gnal" [not -90 dec	grees!]	SuggestedRemedy			
SuggestedRemedy	lifference "Occurrence to consider	4 4		Delete "relative",	or change "relative skew" to "ti	ming offset"	
	e difference". Say what popula n for the maximum. Take the e			Proposed Response	Response Status <b>O</b>		
Proposed Response	Response Status <b>O</b>			C/ 156 SC 156	.9.14 <i>P</i> 106	L <b>49</b>	# I-201
				Dawe, Piers J G	NVIDIA		
C/ 156 SC 156.9.1	I3 P106	L <b>43</b>	# I-199	Comment Type <b>TF</b>	Comment Status X		
Dawe, Piers J G	NVIDIA			This says that the	e I-Q quadrature skew is the *m	naximum* relative sł	(ew
Comment Type TR	Comment Status X			SuggestedRemedy			
	measured relative to *local osc			Define "maximum	n skew"		
defined anyway, sho	erence between I and Q; the ph	ase of the local o	scillator, which is not	Proposed Response	Response Status <b>O</b>		
donnoù anyway, ono				Froposed Response	Response Status U		
				Proposed Response			
SuggestedRemedy	lative to local oscillator"			Cl 156 SC 156.		L <b>50</b>	# 1-203
SuggestedRemedy Delete "measured re						L <b>50</b>	# 1-203
SuggestedRemedy Delete "measured rel	lative to local oscillator"			C/ 156 SC 156.	.9.14 <i>P</i> 106	L50	# [ <u>1-203</u>
SuggestedRemedy Delete "measured rel Proposed Response	elative to local oscillator" Response Status <b>O</b>	L 44	# 1-200	Cl <b>156</b> SC <b>156</b> . Dawe, Piers J G Comment Type <b>T</b>	.9.14 <i>P</i> 106 NVIDIA		
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1	elative to local oscillator" Response Status O	L <b>44</b>	# [ <u>l-200</u>	Cl <b>156</b> SC <b>156</b> . Dawe, Piers J G Comment Type <b>T</b>	.9.14 P106 NVIDIA Comment Status X		
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G	elative to local oscillator" <i>Response Status</i> <b>O</b> 13 <i>P</i> 106 NVIDIA	L <b>44</b>	# [ <u>l-200</u>	Cl <b>156</b> SC <b>156</b> . Dawe, Piers J G Comment Type <b>T</b> "within the limits"	.9.14 P106 NVIDIA Comment Status X		
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G Comment Type T	elative to local oscillator" Response Status O			Cl <b>156</b> SC <b>156</b> . Dawe, Piers J G Comment Type <b>T</b> "within the limits" SuggestedRemedy	.9.14 P106 NVIDIA Comment Status X		
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G Comment Type T "within the limits" but	elative to local oscillator" Response Status O 13 P106 NVIDIA Comment Status X			Cl 156 SC 156. Dawe, Piers J G Comment Type T "within the limits" SuggestedRemedy below the limit	.9.14 P106 NVIDIA <i>Comment Status</i> X but there is only a maximum o		
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G Comment Type T "within the limits" but	elative to local oscillator" Response Status O 13 P106 NVIDIA Comment Status X			Cl 156 SC 156. Dawe, Piers J G Comment Type T "within the limits" SuggestedRemedy below the limit Proposed Response	9.14 P106 NVIDIA <i>Comment Status</i> X but there is only a maximum o <i>Response Status</i> O		iity
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G Comment Type T "within the limits" but SuggestedRemedy below the limit	elative to local oscillator" Response Status O 13 P106 NVIDIA Comment Status X			Cl 156 SC 156. Dawe, Piers J G Comment Type T "within the limits" SuggestedRemedy below the limit Proposed Response Cl 156 SC 156.	9.14 P106 NVIDIA <i>Comment Status</i> X but there is only a maximum o <i>Response Status</i> O	f an unsigned quant	
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G Comment Type T "within the limits" but SuggestedRemedy below the limit	elative to local oscillator" <i>Response Status</i> <b>O</b> <b>13</b> <i>P</i> <b>106</b> NVIDIA <i>Comment Status</i> <b>X</b> t there is only a maximum of an			Cl 156 SC 156. Dawe, Piers J G Comment Type T "within the limits" SuggestedRemedy below the limit Proposed Response Cl 156 SC 156. Dawe, Piers J G	.9.14 P106 NVIDIA <i>Comment Status</i> X but there is only a maximum o <i>Response Status</i> O .9.15 P107	f an unsigned quant	iity
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G Comment Type T "within the limits" but SuggestedRemedy below the limit	elative to local oscillator" <i>Response Status</i> <b>O</b> <b>13</b> <i>P</i> <b>106</b> NVIDIA <i>Comment Status</i> <b>X</b> t there is only a maximum of an			Cl 156 SC 156. Dawe, Piers J G Comment Type T "within the limits" SuggestedRemedy below the limit Proposed Response Cl 156 SC 156. Dawe, Piers J G Comment Type T "the maximum sp	.9.14 P106 NVIDIA <i>Comment Status</i> X but there is only a maximum o <i>Response Status</i> O .9.15 P107 NVIDIA	f an unsigned quant <i>L</i> 5 DIF-400ZR-02.0, Im	iity # <u>I-213</u> plementation
SuggestedRemedy Delete "measured rel Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G Comment Type T "within the limits" but SuggestedRemedy below the limit	elative to local oscillator" <i>Response Status</i> <b>O</b> <b>13</b> <i>P</i> <b>106</b> NVIDIA <i>Comment Status</i> <b>X</b> t there is only a maximum of an			Cl 156 SC 156. Dawe, Piers J G Comment Type T "within the limits" SuggestedRemedy below the limit Proposed Response Cl 156 SC 156. Dawe, Piers J G Comment Type T "the maximum sp	.9.14 P106 NVIDIA Comment Status X but there is only a maximum o Response Status O .9.15 P107 NVIDIA Comment Status X rectral excursion as defined in 0	f an unsigned quant <i>L</i> 5 DIF-400ZR-02.0, Im	iity # <u>I-213</u> plementation
SuggestedRemedy Delete "measured ref Proposed Response Cl 156 SC 156.9.1 Dawe, Piers J G Comment Type T "within the limits" but SuggestedRemedy	elative to local oscillator" <i>Response Status</i> <b>O</b> <b>13</b> <i>P</i> <b>106</b> NVIDIA <i>Comment Status</i> <b>X</b> t there is only a maximum of an			Cl 156 SC 156. Dawe, Piers J G Comment Type T "within the limits" SuggestedRemedy below the limit Proposed Response Cl 156 SC 156. Dawe, Piers J G Comment Type T "the maximum sp Agreement 400ZF	.9.14 P106 NVIDIA Comment Status X but there is only a maximum o Response Status 0 .9.15 P107 NVIDIA Comment Status X ectral excursion as defined in 0 R section 13.4.2" is too clumsy	f an unsigned quant <i>L</i> 5 DIF-400ZR-02.0, Im	iity # <u>I-213</u> plementation

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 C/ 1

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
 SC 1

 SORT ORDER: Clause, Subclause, page, line
 SC 1
 SC 1

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Issenhuth, Tom       Huawei Technologies Co., Ltd,Issenhuth Con         Comment Type       E       Comment Status X         The document uses "center frequency" and not "central frequency" with 2 exception         SuggestedRemedy         Change "central frequency" to "center frequency" to be consistent with the rest of th         document.         Proposed Response       Response Status O         CI       156       SC 156.9.16       P107       L19       # [-88]         Issenhuth, Tom       Huawei Technologies Co., Ltd,Issenhuth Cor         Comment Type       E       Comment Status X         The document uses "center frequency" and not "central frequency" with 2 exception         SuggestedRemedy       Comment Status X         The document uses "center frequency" and not "central frequency" with 2 exception         SuggestedRemedy       Change "central frequency" to "center frequency" to be consistent with the rest of th         document.       N	ns. ne
The document uses "center frequency" and not "central frequency" with 2 exception         SuggestedRemedy         Change "central frequency" to "center frequency" to be consistent with the rest of th         document.         Proposed Response       Response Status         Cl       156       SC         SSC       156.9.16       P107       L19         Issenhuth, Tom       Huawei Technologies Co., Ltd,Issenhuth Cor         Comment Type       E       Comment Status       X         The document uses "center frequency" and not "central frequency" with 2 exception         SuggestedRemedy       Change "central frequency" to "center frequency" to be consistent with the rest of th	ne
SuggestedRemedy         Change "central frequency" to "center frequency" to be consistent with the rest of th document.         Proposed Response       Response Status       O         Cl       156       SC 156.9.16       P107       L19       # [-88]         Issenhuth, Tom       Huawei Technologies Co., Ltd,Issenhuth Cor         Comment Type       E       Comment Status       X         The document uses "center frequency" and not "central frequency" with 2 exception         SuggestedRemedy       Change "central frequency" to "center frequency" to be consistent with the rest of the constant cons	ne
Change "central frequency" to "center frequency" to be consistent with the rest of th document. Proposed Response Response Status O Cl 156 SC 156.9.16 P107 L19 # [-88] Issenhuth, Tom Huawei Technologies Co., Ltd,Issenhuth Cor Comment Type E Comment Status X The document uses "center frequency" and not "central frequency" with 2 exception SuggestedRemedy Change "central frequency" to "center frequency" to be consistent with the rest of th	nsulting,
Cl       156       SC       156.9.16       P107       L19       # [-88]         Issenhuth, Tom       Huawei Technologies Co., Ltd,Issenhuth Cor         Comment Type       E       Comment Status X         The document uses "center frequency" and not "central frequency" with 2 exception         SuggestedRemedy         Change "central frequency" to "center frequency" to be consistent with the rest of th	0.
Issenhuth, Tom Huawei Technologies Co., Ltd,Issenhuth Cor <i>Comment Type</i> E <i>Comment Status</i> X The document uses "center frequency" and not "central frequency" with 2 exception <i>SuggestedRemedy</i> Change "central frequency" to "center frequency" to be consistent with the rest of the	0.
Comment Type E Comment Status X The document uses "center frequency" and not "central frequency" with 2 exception SuggestedRemedy Change "central frequency" to "center frequency" to be consistent with the rest of the	0.
The document uses "center frequency" and not "central frequency" with 2 exception SuggestedRemedy Change "central frequency" to "center frequency" to be consistent with the rest of th	าร.
Change "central frequency" to "center frequency" to be consistent with the rest of the	
	ne
Proposed Response Response Status O	
C/ 156 SC 156.9.17 P107 L28 # -41	
D'Ambrosia, John Futurewei Technologies, U.S. Subsidiary of H	Huawei
Comment Type ER Comment Status X	
It is noted that this "definition of OSNR is consistent with the definition of OSNR in G.698.2" No reference to the term "Transmitter out-of-band OSNR" is found in ITU-T G.698.2	
Suggested Remedy	2
Either use the intended term in the ITU-T G.698.2 or if the reference is incorrect - p the correct document.	oint to
Proposed Response Response Status <b>O</b>	

C/ 156 SC 156.9.17 P107 L29 # 1-42 Futurewei Technologies, U.S. Subsidiary of Huawei D'Ambrosia, John Comment Type ER Comment Status X It is noted -"except that in this clause the noise power density is referred to 12.5 GHz, instead of 0.1 nm in ITU-T G.698.2." The parameter "transmitter out-of-band OSNR" is not found in ITU-T G.698.2, but there are multiple parameters that note "0.1 nm" so it is unclear which parameter is being referred to. SuggestedRemedy Either use the intended term in the ITU-T G.698.2 or if the reference is incorrect - point to the correct document. Proposed Response Response Status 0 C/ 156 SC 156.9.18 P107 L34 # 1-73 Bruckman, Leon Huawei Comment Type E Comment Status X The sentence: "The transmit output power stability shall be within the limits given in Table 156-7. Transmit output power worst case deviation from a target set value operating at a fixed wavelength and temperature." is dificult to parse, and seems different from similar text in the next section SuggestedRemedy Change: "The transmit output power stability shall be within the limits given in Table 156-7. Transmit output power worst case deviation from a target set value operating at a fixed wavelength and temperature." to: "Transmit output power stability is the transmit output power worst case deviation from a target set value operating at a fixed wavelength and temperature and it shall be within the limits given in Table 156-7." Proposed Response Response Status O C/ 156 SC 156.9.20 P107 L48 # 1-74 Bruckman, Leon Huawei Comment Type **T** Comment Status X

"Adjustable range" is a range, not a field

#### SuggestedRemedy

Change: "This field specifies the minimum range" to: "Specifies the minimum range"

Proposed Response Response Status **O** 

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

C/ 156 SC 156.9.20 Page 34 of 38 1/21/2024 8:36:25 AM

C/ 156 SC 156.9.21	1 P108	L <b>3</b>	<b>#</b> I-75	C/ 156 SC 156.9.24	P108	L <b>26</b>	# <mark>I-125</mark>	
Bruckman, Leon Huawei		Maniloff, Eric Ciena Corporation						
Comment Type <b>T</b> "Minimum average ch a required parameter	Comment Status X annel power at maximum adju	ustable power set	tting" is not a field, it is	Comment Type E Comma needed betwe	Comment Status X en loss and or			
SuggestedRemedy	ifing the minimum even			SuggestedRemedy Include comma in list				
minimum average cha	pecifies the minimum average annel power"	channel power t	to: Specifies the	Proposed Response	Response Status <b>O</b>			
Proposed Response	Response Status O							
				C/ 156 SC 156.9.26	P <b>108</b>	L <b>38</b>	# 1-43	
C/ 156 SC 156.9.23	3 <i>P</i> 108	L <b>14</b>	# I <u>-</u> 76	D'Ambrosia, John	Futurewei Te	chnologies, U.S	Subsidiary of Huawei	
Bruckman, Leon	Huawei			Comment Type ER	Comment Status X			
,				In the ITU-T G.698.2 d	ocument optical path OSRN	penalty is define	d for NRZ and DP-	
<i>Comment Type</i> <b>T</b> "while achieving the s	Comment Status X pecified maximum FLR in 156 defined in 156.1.1 the receive			DQPSK signaling. The are for QAM signaling.	e text in the document does r			
Comment Type <b>T</b> "while achieving the s is lower than the one SuggestedRemedy	Comment Status X pecified maximum FLR in 156 defined in 156.1.1 the receive ving the specified maximum F	r is not compliant	t. Is that the case ?	DQPSK signaling. The are for QAM signaling. SuggestedRemedy Modify the following se	e text in the document does r	hot make any inc	lication that these notes	
Comment Type <b>T</b> "while achieving the s is lower than the one SuggestedRemedy Change: "while achiev FLR within the limit sp	Comment Status X pecified maximum FLR in 156 defined in 156.1.1 the receive ving the specified maximum F	r is not compliant	t. Is that the case ?	DQPSK signaling. The are for QAM signaling. SuggestedRemedy Modify the following se — Lowest OSNR at TF application from a reference receiver as d — Lowest OSNR at TF application from a	e text in the document does r ntences - 22 is the lowest OSNR that m lefined in 156.10.1. 23 is the lowest OSNR that m	not make any inc	lication that these notes um BER of the	
Comment Type <b>T</b> "while achieving the s is lower than the one SuggestedRemedy Change: "while achiev FLR within the limit sp Proposed Response	Comment Status X pecified maximum FLR in 156 defined in 156.1.1 the receive ving the specified maximum F becified in 156.1.1." Response Status O	r is not compliant	t. Is that the case ?	DQPSK signaling. The are for QAM signaling. SuggestedRemedy Modify the following se — Lowest OSNR at TF application from a reference receiver as d — Lowest OSNR at TF application from a reference receiver as d	e text in the document does r ntences - 22 is the lowest OSNR that m lefined in 156.10.1. 23 is the lowest OSNR that m	not make any inc	lication that these notes um BER of the	
Comment Type T "while achieving the s is lower than the one SuggestedRemedy Change: "while achiev FLR within the limit sp Proposed Response Cl 156 SC 156.9.24	Comment Status X pecified maximum FLR in 156 defined in 156.1.1 the receive ving the specified maximum F becified in 156.1.1." Response Status O	r is not compliant LR in 156.1.1" to:	t. Is that the case ? : "while maintaining the	DQPSK signaling. The are for QAM signaling. SuggestedRemedy Modify the following se — Lowest OSNR at TF application from a reference receiver as o — Lowest OSNR at TF application from a reference receiver as o to — Lowest OSNR at TF	e text in the document does r ntences - 22 is the lowest OSNR that m lefined in 156.10.1. 23 is the lowest OSNR that m	not make any inc	lication that these notes um BER of the um BER of the	
Comment Type T "while achieving the s is lower than the one SuggestedRemedy Change: "while achiev FLR within the limit sp Proposed Response CI 156 SC 156.9.24 Bruckman, Leon	Comment Status X pecified maximum FLR in 156 defined in 156.1.1 the receive ving the specified maximum F becified in 156.1.1." Response Status O 4 P108 Huawei Comment Status X	r is not compliant LR in 156.1.1" to:	t. Is that the case ? : "while maintaining the	DQPSK signaling. The are for QAM signaling. SuggestedRemedy Modify the following se — Lowest OSNR at TF application from a reference receiver as o — Lowest OSNR at TF application from a reference receiver as o to — Lowest OSNR at TF application from a reference receiver as o though the DWDM bla	e text in the document does r ntences - 22 is the lowest OSNR that m lefined in 156.10.1. 23 is the lowest OSNR that m lefined 156.10.1. 22 is the lowest OSNR that m lefined in 156.10.1 for DP-16 lock link.	not make any inc neets the maximu neets the maximu neets the maximu GQAM signaling b	lication that these notes um BER of the um BER of the um BER of the pefire transmission	
Comment Type T "while achieving the s is lower than the one SuggestedRemedy Change: "while achiev FLR within the limit sp Proposed Response CI 156 SC 156.9.24 Bruckman, Leon Comment Type E "frame loss ratio" is us	Comment Status X pecified maximum FLR in 156 defined in 156.1.1 the receive ving the specified maximum F becified in 156.1.1." Response Status O 4 P108 Huawei Comment Status X sually named "FLR"	r is not compliant LR in 156.1.1" to:	t. Is that the case ? : "while maintaining the	DQPSK signaling. The are for QAM signaling. SuggestedRemedy Modify the following se — Lowest OSNR at TF application from a reference receiver as of — Lowest OSNR at TF application from a reference receiver as of to — Lowest OSNR at TF application from a reference receiver as of through the DWDM bla — Lowest OSNR at TF application from a	e text in the document does r ntences - 22 is the lowest OSNR that m lefined in 156.10.1. 23 is the lowest OSNR that m lefined 156.10.1. 22 is the lowest OSNR that m lefined in 156.10.1 for DP-16 lock link. 23 is the lowest OSNR that m	not make any inc neets the maximu neets the maximu neets the maximu GQAM signaling to neets the maximu	lication that these notes um BER of the um BER of the um BER of the pefire transmission um BER of the	
Comment Type T "while achieving the s is lower than the one SuggestedRemedy Change: "while achieve FLR within the limit sp Proposed Response CI 156 SC 156.9.24 Bruckman, Leon Comment Type E "frame loss ratio" is us SuggestedRemedy	Comment Status X pecified maximum FLR in 156 defined in 156.1.1 the receive ving the specified maximum F becified in 156.1.1." Response Status O 4 P108 Huawei Comment Status X sually named "FLR"	r is not compliant LR in 156.1.1" to:	t. Is that the case ? : "while maintaining the	DQPSK signaling. The are for QAM signaling. SuggestedRemedy Modify the following se — Lowest OSNR at TF application from a reference receiver as of — Lowest OSNR at TF application from a reference receiver as of to — Lowest OSNR at TF application from a reference receiver as of through the DWDM bla — Lowest OSNR at TF application from a	e text in the document does r ntences - 22 is the lowest OSNR that m lefined in 156.10.1. 23 is the lowest OSNR that m lefined 156.10.1. 22 is the lowest OSNR that m lefined in 156.10.1 for DP-16 lock link.	not make any inc neets the maximu neets the maximu neets the maximu GQAM signaling to neets the maximu	lication that these notes um BER of the um BER of the um BER of the pefire transmission um BER of the	

C/ 156 SC 156.9.26

	SC 156.9.26	P <b>108</b>	L <b>41</b>	# I-104	C/ 156 SC 1	56.9.26	P108	L <b>43</b>	# <u>I-78</u>	
Huber, Th	iomas	Nokia			Bruckman, Leon		Huawei			
Comment	Type <b>TR</b>	Comment Status X			Comment Type	T Comm	nent Status X			
		receiver used for measuiring			Where is the "r	naximum BER of	the application" def	fined ?		
		ation. This is what Annex A c ch is what 100GBASE-ZR ali			SuggestedRemedy					
correc	ctly modifying G.6	98.2 to identify the reference	receiver for 400	GBASE-ZR (as defined			ER of the application	on" (twice in this s	section), to: "FLR	
		erence receiver in 156.10.1 is *not* include CD and PMD o			defined in 156.					
refere		pecified, optical path OSNR			Proposed Respons	e Respoi	nse Status <b>O</b>			
	dRemedy				C/ 156 SC 1	56.9.27	P108	L <b>52</b>	# I-44	
		et to the list in 156.9.26 indicates the reference to 156.10.1 v	0		D'Ambrosia, John		Futurewei Te	chnologies, U.S.	Subsidiary of Huawei	
fully s	pecifies the proce	esses that are performed by t	he reference rec	eiver for the optical	Comment Type	ER Comm	nent Status X			
11, wi	th the addition of	ent (e.g., such a clause could CD and PMD compensation					698.2, however in the second s			
	•	ion from the right side).			SuggestedRemedy					
roposed	Response	Response Status <b>O</b>				wing sentence -				
					The polarization within the limit	n dependent loss,	as defined in Reco	ommendation ITU	J-T G.698.2, shall be	
C/ 156	SC 156.9.26	P108	L <b>43</b>	# I-126	given in Table	156–9.				
Maniloff, E	Eric	Ciena Corpor	ation		to The polarization	n dependent loss	as defined in Reco	mmendation ITI	I-T G.698.2, shall be	
Comment	Type <b>TR</b>	Comment Status X			within the limit	r dependent 1033,	as defined in Necc	minendation no	-1 0.030.2, shall be	
Tho n		y is specified in terms that an			given in Table	156–9 from TP2 to	o TP3.			
	specified. The EV	/M reference receiver is not s			Proposed Respons	e Respoi	nse Status <b>O</b>			
is not DWDI	M Black Link para rather than a Tx	ameters or to provide BER. P parameter.		ty should be defined as						
is not DWDN an Rx				ty should be defined as	C/ 156 SC 1	56.9.28	P109	L1	# 1-45	
is not DWDN an Rx Suggestec Modify	rather than a Tx d <i>Remedy</i> y the Path OSNR	parameter. Penalty to refer to the Rx OS				56.9.28			# [-45 Subsidiary of Huawei	
is not DWDM an Rx Suggested Modify as me	t rather than a Tx dRemedy y the Path OSNR easured at the Re	parameter. Penalty to refer to the Rx OS ceiver			D'Ambrosia, John				# [ <mark>-45</mark> Subsidiary of Huawei	
is not DWDM an Rx Suggested Modify as me	rather than a Tx d <i>Remedy</i> y the Path OSNR	parameter. Penalty to refer to the Rx OS			D'Ambrosia, John <i>Comment Type</i> The definition p	ER Comm	Futurewei Te <i>nent Status</i> <b>X</b> 698.2, however in t	chnologies, U.S.		
is not DWDM an Rx Suggested Modify as me	t rather than a Tx dRemedy y the Path OSNR easured at the Re	parameter. Penalty to refer to the Rx OS ceiver			D'Ambrosia, John <i>Comment Type</i> The definition p	ER Commonities to ITU-T G.4 Which is not define	Futurewei Te <i>nent Status</i> <b>X</b> 698.2, however in t	chnologies, U.S.	Subsidiary of Huawei	
is not DWDM an Rx Suggested Modify as me	t rather than a Tx dRemedy y the Path OSNR easured at the Re	parameter. Penalty to refer to the Rx OS ceiver			D'Ambrosia, John Comment Type The definition p defined @ Rs, SuggestedRemedy	ER Commonities to ITU-T G.4 Which is not define	Futurewei Te ment Status X 698.2, however in the ed in P802.3cw.	chnologies, U.S.	Subsidiary of Huawei	

C/ 156 SC 156.9.28

C/ 156 SC 156.10.1	P109	L <b>4</b> 8	# I-79	C/ 156	SC 15	56.11.2	P112	L <b>54</b>	# 1-129	
Bruckman, Leon	Huawei			Rolfe, Ben			Blind Creek A	ssociates		
Comment Type T	Comment Status X			Comment	Tvpe	TR	Comment Status X			
51	whole conformance test set	up, not just the E	EVM reference receiver,	You ca manufa	n't put re		nts in a footnote: "A host sy ents and/or usage restrictio			
as a label to the figure c	e to: "EVM conformance tes enter box	t setup". Add "E	VM reference receiver"	require (use of	ed to obta f "may" -	ain its owi normativ	ore safety standards. In suc n laser safety certification." e language ). Also this see	,		
roposed Response	Response Status O					ating an	obvious fact.			
				Suggested Delete	<i>Remedy</i> footnote					
C/ 156 SC 156.10.2.1 ssenhuth, Tom		L <b>3</b> nologies Co., Ltd	# <u>I-89</u> Issenhuth Consulting,	Proposed I	Response	9	Response Status <b>O</b>			
Comment Type E The use of "4" does not	Comment Status X follow the IEEE SA Standar	ds Style Manual,	14.2 Numbers.	C/ 156	SC 15	56.11.2	P <b>122</b>	L1	# <mark>I-128</mark>	
uggestedRemedy				Rolfe, Ben	•		Blind Creek A	ssociates		
Change "4" to "four"				Comment	•••	TR	Comment Status X			
Proposed Response Response Status <b>O</b>					Incorrect use of "may": "Conformance to additional laser safety standards may be required for operation within specific geographic					
/ 156 SC 156.10.2.1	P111	L <b>3</b>	# I-204	regions." may defines an optional requirement within scope of the standard. This						
awe, Piers J G	NVIDIA						the scope of this standard		<b>5</b> ,	
omment Type E	Comment Status X			Suggested	Remedy					
4				Change to: conformance to safety standards required for operation within specific geographic regions is the responsibility of the implementer.				within specific		
<i>uggestedRemedy</i> four				Proposed I			Response Status <b>O</b>			
Proposed Response	Response Status <b>O</b>									

C/ 156 SC 156.11.2

C/ 156 SC 156.13 P114 L54 # [-132	C/ 156 SC 156.13.3 P115 L9 # 1-130					
Delfa Deniemin Dlind Creak Associates						
Rolfe, Benjamin Blind Creek Associates	Rolfe, Benjamin Blind Creek Associates					
Comment Type <b>TR</b> Comment Status <b>X</b> I realize this is from IEEE boilerplate but it's wrong. A footnote can not contain requirements, and "may" defines optional requirements. May is the wrong word for other reasons (may is equivalent to may or may not). The correct phrase s/b "is granted permission"	Comment Type <b>TR</b> Comment Status <b>X</b> Incorrect use of "may". This is not an optional requirement within the scope of the standar SuggestedRemedy Remove comment					
SuggestedRemedy	Proposed Response Response Status O					
Change "may" to "is granted permission" everywhere that the intended purpose is to grant permission.						
Proposed Response Response Status <b>O</b>	C/ 156 SC 156.13.3 P115 L19 # 1-90					
	Issenhuth, Tom Huawei Technologies Co., Ltd,Issenhuth Consultir					
C/         156         SC         156.13.2.1         P114         L28         #         1-133           Rolfe, Benjamin         Blind Creek Associates         <	<ul> <li>Comment Type E Comment Status X</li> <li>The item SC skew constraints references subclause 156.4 which is on PMD MDIO function mapping and not skew. Skew constraints were removed from 156 in D2.1.</li> </ul>					
Comment Type <b>TR</b> Comment Status <b>X</b> Incorrect use of "may". Not a requirement within the scope of this standard.	SuggestedRemedy Remove item SC from the list					
SuggestedRemedy change "may" to "can"	Proposed Response Response Status <b>O</b>					
Proposed Response Response Status <b>O</b>	C/ 156A SC 156A.1 P120 L17 # 1-134					
	Rolfe, Benjamin Blind Creek Associates					
C/ 156 SC 156.13.2.2 P115 L12 # 1-131	Comment Type TR Comment Status X					
Rolfe, Benjamin Blind Creek Associates	incorrect use of "may" (defining a requirement) in an informative annex. "In implementations of the DWDM black link for 400GBASE-ZR, the channels supporting the full duplex links may be implemented on one fiber per direction," <i>SuggestedRemedy</i>					
Comment Type TR Comment Status X						
*** Comment submitted with the file image.png attached ***						
Incorrect use of "may". This is not an optional requirement within the scope of the standard	change "may" to "can"					
SuggestedRemedy	Proposed Response Response Status O					
Remove comment						
Proposed Response Response Status <b>O</b>						

C/ 156A SC 156A.1