C/ FM	SC FM	P 124	L 20	# 81	C/ 116	SC 116.1.3		L13	# 84
Dawe, Piers	S	Nvidia			Dawe, Pie	S	Nvidia		
Comment T		Comment Status X			Comment	51	Comment Status X		
Missing	g tab in the forma	at for some contents entries?					t 400GBASE-Z is an "IEEE 80 and needs introduction here.	2.3 family of Phy	/sical Layer devices",
SuggestedF					Suggested				
Fix or re	e-apply the temp	plate?				-	ducing the 400GBASE-Z famil	v	
Proposed R	Response	Response Status O					-	y.	
					Proposed I	Response	Response Status O		
C/ 1	SC 1.4.110c	P 19	L 9	# 82	01.440	00 440 4 0	200	1.00	"
Dawe, Piers	s	Nvidia			C/ 116	SC 116.1.3		L 23	# 85
Comment T	Type TR	Comment Status X			Dawe, Pie Comment		Nvidia Comment Status X		
	erence is GMP.	difference between 400GBAS			Suggested	-	R encoding" to "400GBASE-Z	encoding".	
modula		ASE-R encoding, a combination 400GBASE-R encoding, GM e modulation".			Proposed I	Response	Response Status 0		
Proposed R	Response	Response Status O							
C/ 30	SC 30.5.1.1.2	P20	L17	# 25					
Huber, Tom	n	Nokia							
Comment T	51	Comment Status X							
		em' is not present in the corres t be present here.	sponding text fo	r 100GBASE-ZR in					
SuggestedF	Remedy								
		, so the text reads 400GBASI It least 80 km as specified in (BASE-ZR PMA over a					

Proposed Response Response Status **0**

C/ 116 SC 116.1.3

C/ 116	SC 116.2.3	P 29	L 47	# 26	C/ 116	SC 116.2.5	P 30	L 21	# 86
Huber, Ton	n	Nokia			Dawe, Piers		Nvidia		
Comment T	Туре Т	Comment Status X			Comment Ty	pe E	Comment Status X		
	bly best to split out 0 and 155.	200G and 400G here, so t	that the 400G par	t can refer to both	P802.3cl amendm		this subclause and comes be	efore this project	in the list of
Suggestedl	Remedy				SuggestedRe	emedy			
	the text to read as				Update t	he draft to inc	lude P802.3ck's changes as	necessary	
upon th defined	ne 64B/66B coding d in clause 120. Tl	efers to a specific family o g method specified in claus he term 400GBASE-R refe upon the 64B/66B coding m	e 119 and the PN ers to a specific fa	IA specifications mily of Physical Layer	Proposed Re	esponse	Response Status O		
		ns defined in Clause 120 c			C/ 116	SC 116.2.5	P 30	L 25	# 87
		(decoding) of data from (to distribute the data to multi			Dawe, Piers		Nvidia		
data to			pie ianes, and tra	nsier the encoded	Comment Ty	pe TR	Comment Status X		
the PM	IA.					56 is for 4000	GBASE-ZR which isn't a 4000	GBASE-R PMD,	it's a 400GBASE-Z
					PMD.				
		nas almost the same functi			PMD. SuggestedRe	emedy			
may be	e configured as a 2	nas almost the same functi 200GXS in order to implem 8). The 400GBASE-R PC	ent part of the op	tional 200GMII	SuggestedR	,	R" to "400GBASE" in this sen	ntence.	
may be Extende the 400	e configured as a 2 ler (see Clause 11)GXS, and therefo	200GXS in order to implem 8). The 400GBASE-R PC re may be configured as a	ent part of the op S has almost the	tional 200GMII same functionality as	SuggestedR	'400GBASE-F		ntence.	
may be Extende the 400 the opti	e configured as a 2 ler (see Clause 11 DGXS, and therefo ional 400GMII Ext	200GXS in order to implem 8). The 400GBASE-R PC re may be configured as a ender (see Clause 118).	ent part of the op S has almost the	tional 200GMII same functionality as	SuggestedRo Change	'400GBASE-F	R" to "400GBASE" in this sen <i>Response Status</i> 0	ntence.	
may be Extende the 400 the opti	e configured as a 2 ler (see Clause 11 DGXS, and therefo ional 400GMII Ext	200GXS in order to implem 8). The 400GBASE-R PC re may be configured as a	ent part of the op S has almost the	tional 200GMII same functionality as	SuggestedRo Change Proposed Re	'400GBASE-F	Response Status O		# 80
may be Extend the 400 the opti Proposed F	e configured as a 2 ler (see Clause 11 OGXS, and therefo cional 400GMII Ext Response	200GXS in order to implem 8). The 400GBASE-R PC re may be configured as a ender (see Clause 118). <i>Response Status</i> O	ent part of the op S has almost the 400GXS in order	tional 200GMII same functionality as to implement part of	SuggestedRe Change Proposed Re Cl 116	'400GBASE-F	Response Status O P 30	L 38	# 89
may be Extended the 400 the opti Proposed F	e configured as a 2 ler (see Clause 11 DGXS, and therefo cional 400GMII Ext Response SC 116.2.4	200GXS in order to implem 8). The 400GBASE-R PC3 re may be configured as a ender (see Clause 118). <i>Response Status</i> O <i>P</i> 30	ent part of the op S has almost the	tional 200GMII same functionality as	SuggestedRe Change Proposed Re Cl 116 Dawe, Piers	'400GBASE-F Isponse SC 116.4	Response Status O P 30 Nvidia		# 89
may be Extended the 400 the opti Proposed F C/ 116 Huber, Ton	e configured as a 2 ler (see Clause 11 DGXS, and therefo cional 400GMII Ext Response SC 116.2.4 m	200GXS in order to implem 8). The 400GBASE-R PC3 re may be configured as a ender (see Clause 118). <i>Response Status</i> O <i>P</i> 30 Nokia	ent part of the op S has almost the 400GXS in order	tional 200GMII same functionality as to implement part of	SuggestedRe Change Proposed Re Cl 116 Dawe, Piers Comment Ty	400GBASE-F sponse SC 116.4 pe T	Response Status O P30 Nvidia Comment Status X	L38	
may be Extended the 400 the opti Proposed F C/ 116 Huber, Ton Comment 7	e configured as a 2 ler (see Clause 11 DGXS, and therefo ional 400GMII Ext Response SC 116.2.4 m Type T	200GXS in order to implem 8). The 400GBASE-R PCs re may be configured as a ender (see Clause 118). <i>Response Status</i> O <i>P</i> 30 Nokia <i>Comment Status</i> X	ent part of the op S has almost the 400GXS in order <i>L</i> 17	tional 200GMII same functionality as to implement part of # 27	SuggestedRe Change Proposed Re Cl 116 Dawe, Piers Comment Ty As this ta	400GBASE-F sponse SC 116.4 pe T able contains	Response Status O P 30 Nvidia	L38	
may be Extended the 400 the opti Proposed F C/ 116 Huber, Ton Comment 7 Since th	e configured as a 2 ler (see Clause 11 DGXS, and therefo ional 400GMII Ext Response SC 116.2.4 m Type T	200GXS in order to implem 8). The 400GBASE-R PC3 re may be configured as a ender (see Clause 118). <i>Response Status</i> O <i>P</i> 30 Nokia	ent part of the op S has almost the 400GXS in order <i>L</i> 17	tional 200GMII same functionality as to implement part of # 27	SuggestedRe Change Proposed Re Cl 116 Dawe, Piers Comment Ty As this ta SuggestedRe	400GBASE-F	Response Status O P30 Nvidia Comment Status X	L 38 R and 400GBASI	
may be Extended the 400 the opti Proposed F C/ 116 Huber, Ton Comment 7 Since th front of	e configured as a 2 ler (see Clause 11) DGXS, and therefo ional 400GMII Ext Response SC 116.2.4 m Type T the 400GBASE-ZR f the existing text.	200GXS in order to implem 8). The 400GBASE-R PCs re may be configured as a ender (see Clause 118). <i>Response Status</i> O <i>P</i> 30 Nokia <i>Comment Status</i> X	ent part of the op S has almost the 400GXS in order <i>L</i> 17	tional 200GMII same functionality as to implement part of # 27	SuggestedRe Change Proposed Re Cl 116 Dawe, Piers Comment Ty As this ta SuggestedRe	400GBASE-F sponse SC 116.4 pe T able contains emedy totes a and b,	Response Status O P30 Nvidia Comment Status X entries for both 400GBASE-F	L 38 R and 400GBASI	
may be Extended the 400 the opti Proposed F C/ 116 Huber, Ton Comment 7 Since the front of Suggested/ Change	e configured as a 2 ler (see Clause 11) DGXS, and therefo ional 400GMII Ext Response SC 116.2.4 m Type T the 400GBASE-ZR f the existing text. Remedy	200GXS in order to implem 8). The 400GBASE-R PCs re may be configured as a ender (see Clause 118). <i>Response Status</i> O <i>P</i> 30 Nokia <i>Comment Status</i> X	Lent part of the op S has almost the 400GXS in order <i>L</i> 17 haps easiest to ju	tional 200GMII same functionality as to implement part of # 27	SuggestedRe Change Proposed Re Cl 116 Dawe, Piers Comment Ty As this ta SuggestedRe For footr	400GBASE-F sponse SC 116.4 pe T able contains emedy totes a and b,	Response Status O P30 Nvidia Comment Status X entries for both 400GBASE-R change 400GBASE-R to 400	L 38 R and 400GBASI	
may be Extended the 400 the opti Proposed F C/ 116 Huber, Ton Comment 7 Since the front of Suggested/ Change to The 400	e configured as a 2 ler (see Clause 11) DGXS, and therefo ional 400GMII Ext Response SC 116.2.4 m Type T the 400GBASE-ZR f the existing text. Remedy e from: "The 200G	200GXS in order to implem 8). The 400GBASE-R PC3 re may be configured as a ender (see Clause 118). <i>Response Status</i> O <i>P</i> 30 Nokia <i>Comment Status</i> X & PMA is different, it is perf	ent part of the op S has almost the 400GXS in order <i>L</i> 17 naps easiest to jun R PMAs are spec	tional 200GMII same functionality as to implement part of # 27 st add a sentence in ified in Clause 120."	SuggestedRe Change Proposed Re Cl 116 Dawe, Piers Comment Ty As this ta SuggestedRe For footr	400GBASE-F sponse SC 116.4 pe T able contains emedy totes a and b,	Response Status O P30 Nvidia Comment Status X entries for both 400GBASE-R change 400GBASE-R to 400	L 38 R and 400GBASI	

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

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	P30	L 38	# 88	C/ 155	SC 155.1.1	P 33	L 20	# 28
Dawe, Piers	Nvidia			Huber, Tom		Nokia		
Comment Type T Need an entry for the	Comment Status X e delay of the 400GBASE-Z PN	1A		Comment Typ Missing a	be E / between 54	Comment Status X B and 66B		
SuggestedRemedy Add a row for the del	lay of the 400GBASE-Z PMA			SuggestedRe Change 6	<i>medy</i> 4B66B to 64E	/66B		
Proposed Response	Response Status O			Proposed Res	sponse	Response Status 0		
C/ 116 SC 116.5	P 31	L 9	# 90	C/ 155	SC 155.1.2	P 34	L3	# 1
Dawe, Piers	Nvidia			Bruckman, Le	eon	Huawei		
	Comment Status X s entries for both 400GBASE-R	and 400GBASE	E-Z	Comment Typ In followin not		Comment Status X PCS and PMA are referred	l to as shaded, bu	ut in the figure they are
SuggestedRemedy Change "400GBASE				SuggestedRe	medy			
-				Add shad	e to the PCS	and PMA blocks in Figure 1	55-1	
Proposed Response	Response Status O			Proposed Res	sponse	Response Status O		
C/ 155 SC 155	P 33	L 2	# 91	CI 155	SC 155 1 2	P3A	/ 19	# 57
Dawe, Piers	Nvidia	L 2	# 91		SC 155.1.2	P 34 Ciena	L19	# 57
Dawe, Piers <i>Comment Type</i> TR type what? This PHY called "400 output from a BASE-		nilar in intent to 1 ms style framing	0GBASE-LW: the . While Z in the first	Maniloff, Eric Comment Typ 400GAUI SuggestedRe	pe E -n does not ap medy	P 34 Ciena <i>Comment Status</i> X opear in this figure m the acronym definitions		# 57
Dawe, Piers <i>Comment Type</i> TR type what? This PHY called "400 output from a BASE- position as an alterna	Nvidia Comment Status X 0GBASE-ZR" in this draft is sim R PCS is transmitted in telecor	nilar in intent to 1 ms style framing	0GBASE-LW: the . While Z in the first	Maniloff, Eric Comment Typ 400GAUI SuggestedRe	be E -n does not ap <i>medy</i> 400GAUI-n fro	Ciena <i>Comment Status</i> X opear in this figure		# 57
Dawe, Piers <i>Comment Type</i> TR type what? This PHY called "400 output from a BASE- position as an alterna similar. <i>SuggestedRemedy</i> Complete the title: 40	Nvidia Comment Status X OGBASE-ZR" in this draft is sim R PCS is transmitted in telecor ative to S, L or E, is familiar from 00GBASE-ZW. Change 400GE	nilar in intent to 1 ms style framing m unofficial spec BASE-ZR to 400	0GBASE-LW: the . While Z in the first s as meaning 80 km or	Maniloff, Eric Comment Typ 400GAUI SuggestedRe Remove 4	be E -n does not ap <i>medy</i> 400GAUI-n fro	Ciena <i>Comment Status</i> X opear in this figure m the acronym definitions		# <u>57</u>
Dawe, Piers <i>Comment Type</i> TR type what? This PHY called "400 output from a BASE- position as an alterna similar. <i>SuggestedRemedy</i> Complete the title: 40 throughout, change 4	Nvidia Comment Status X OGBASE-ZR" in this draft is sim -R PCS is transmitted in telecor ative to S, L or E, is familiar from	nilar in intent to 1 ms style framing m unofficial spec BASE-ZR to 400	0GBASE-LW: the . While Z in the first s as meaning 80 km or	Maniloff, Eric Comment Typ 400GAUI SuggestedRe Remove Proposed Res	be E -n does not ap <i>medy</i> 400GAUI-n fro	Ciena <i>Comment Status</i> X opear in this figure m the acronym definitions		# <u>5</u> 7
Dawe, Piers <i>Comment Type</i> TR type what? This PHY called "400 output from a BASE- position as an alterna similar. <i>SuggestedRemedy</i> Complete the title: 40 throughout, change 4	Nvidia <i>Comment Status</i> X OGBASE-ZR" in this draft is sim R PCS is transmitted in telecor ative to S, L or E, is familiar from 00GBASE-ZW. Change 400GE 400GBASE-Z to 400GBASE-W	nilar in intent to 1 ms style framing m unofficial spec BASE-ZR to 400	0GBASE-LW: the . While Z in the first s as meaning 80 km or	Maniloff, Eric Comment Typ 400GAUI SuggestedRe Remove Proposed Res	De E -n does not ap medy 400GAUI-n fro sponse SC 155.1.2	Ciena Comment Status X upear in this figure m the acronym definitions Response Status O	ist	
Dawe, Piers <i>Comment Type</i> TR type what? This PHY called "400 output from a BASE- position as an alterna similar. <i>SuggestedRemedy</i> Complete the title: 40	Nvidia <i>Comment Status</i> X OGBASE-ZR" in this draft is sim R PCS is transmitted in telecor ative to S, L or E, is familiar from 00GBASE-ZW. Change 400GE 400GBASE-Z to 400GBASE-W	nilar in intent to 1 ms style framing m unofficial spec BASE-ZR to 400	0GBASE-LW: the . While Z in the first s as meaning 80 km or	Maniloff, Eric Comment Typ 400GAUI SuggestedRe Remove Proposed Res C/ 155 Bruckman, Le Comment Typ	n does not ap medy 400GAUI-n fro sponse SC 155.1.2 eon pe E	Ciena Comment Status X opear in this figure Im the acronym definitions Response Status O P 34	ist	
Dawe, Piers <i>Comment Type</i> TR type what? This PHY called "400 output from a BASE- position as an alterna similar. <i>SuggestedRemedy</i> Complete the title: 40 throughout, change 4	Nvidia <i>Comment Status</i> X OGBASE-ZR" in this draft is sim R PCS is transmitted in telecor ative to S, L or E, is familiar from 00GBASE-ZW. Change 400GE 400GBASE-Z to 400GBASE-W	nilar in intent to 1 ms style framing m unofficial spec BASE-ZR to 400	0GBASE-LW: the . While Z in the first s as meaning 80 km or	Maniloff, Eric Comment Typ 400GAUI- SuggestedRe Remove 4 Proposed Res Cl 155 Bruckman, Le Comment Typ 400GAUI- SuggestedRe	be E -n does not ap medy 400GAUI-n fro sponse SC 155.1.2 eon be E -n is not ment medy	Ciena Comment Status X opear in this figure Im the acronym definitions Response Status O P34 Huawei Comment Status X	ist L 19	

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 C/
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 RESPONSE STATUS: O/open W/written C/closed Z/withdrawn
 SC
 155.1.2
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 SC
 155.1.2
 155.1.2
 155.1.2

C/ 155 SC 155.1.3	P 34	L38	# 94	C/ 155	SC 155.1.4.1	P35	L11	# 30
Dawe, Piers	Nvidia			Huber, Tom		Nokia		
Comment Type TR	Comment Status X			Comment Ty	pe T	Comment Status X		
	d and relies so heavily on refe ctive and reference risks ambig		02.3 document that		use 117 may SE-ZR is only	specify both 200GMII and 40 the 400GMII.	00GMII the PCS s	service interface for
SuggestedRemedy				SuggestedRe	emedy			
	itable examples (see Annex 1 available separately on the we		Large examples	Delete 20 Proposed Re		ne parenthetical "(200GMII/40	00GMII)"	
Proposed Response	Response Status 0			Floposed Re	sponse	Response Status O		
	P35	L1	# 3	C/ 155	SC 155.2.1	P36	L11	# <u>3</u> 1
		<i>L</i> 1	# 3	Huber, Tom		Nokia		
Bruckman, Leon Comment Type T	Huawei Comment Status X			Comment Ty	pe T	Comment Status X		
approximate nominal 802.3ct clause 153.3.	te with its tolerance and use G rate (as done in other clauses .2.2.2			describe: polarizati	s how the PMA ons.	and other text in 155.2.x des A creates the 16QAM symbol		
SuggestedRemedy				SuggestedRe	emedy			
59.84375 x (28/29) G	BASE-ZR PCS has a nominal r symbol/s on each of two polar A service interface of (28/29) x polarizations"	izations" with "Th	e 400GBASE-ZR PCS	describe 16QAM	d as 8 bitstrea symbols. Cha	nt is that the interface betwee ms, and the PMA is responsi nge "When communicating w S provides two streams of 4-	ible for turning the vith the PMA in th	at into two streams of te transmit direction,
Proposed Response	Response Status O			direction		ymbols." to "When communio SE-ZR PCS provides 8 digital nbols."		
				Proposed Re	sponse	Response Status O		
C/ 155 SC 155.1.4	P 35	L 2	# 29		•			
	Р 35 Nokia	L 2	# 29					
Huber, Tom		L2	# 29	C/ 155	SC 155.2.1	P37	L 47	# 32
Huber, Tom Comment Type T While it is true that the	Nokia <i>Comment Status</i> X e interface between PCS and	PMA is ultimately	related to two	<i>Cl</i> 155 Huber, Tom	SC 155.2.1	Р 37 Nokia	L 4 7	# 32
Huber, Tom Comment Type T While it is true that the streams of 16QAM sy	Nokia Comment Status X e interface between PCS and ymbols, and that two polarizatio	PMA is ultimately ons are used, that	related to two t seems too detailed				L47	# [32
Huber, Tom Comment Type T While it is true that the streams of 16QAM sy	Nokia Comment Status X e interface between PCS and ymbols, and that two polarizatio ent with how the Tx path is sul	PMA is ultimately ons are used, that	related to two t seems too detailed	Huber, Tom Comment Ty This sen	pe T tence would fit	Nokia <i>Comment Status</i> X better as part of the earlier p		
Huber, Tom Comment Type T While it is true that the streams of 16QAM sy and not really consiste what creates the 16Q	Nokia Comment Status X e interface between PCS and ymbols, and that two polarizatio ent with how the Tx path is sul	PMA is ultimately ons are used, that	related to two t seems too detailed	Huber, Tom <i>Comment Ty</i> This sen being in	pe T rence would fit rest-pattern me	Nokia <i>Comment Status</i> X better as part of the earlier p		
Huber, Tom Comment Type T While it is true that the streams of 16QAM sy and not really consist what creates the 16Q SuggestedRemedy State the nominal rate	Nokia Comment Status X e interface between PCS and ymbols, and that two polarizatio ent with how the Tx path is sul	PMA is ultimately ons are used, tha bsequently descri	r related to two t seems too detailed bed, where the PMA is	Huber, Tom Comment Ty, This sen being in SuggestedRe	pe T ence would fit est-pattern me	Nokia <i>Comment Status</i> X better as part of the earlier p ode.	oaragraph about	
Huber, Tom Comment Type T While it is true that the streams of 16QAM sy and not really consist what creates the 16Q SuggestedRemedy	Nokia Comment Status X e interface between PCS and mbols, and that two polarization ent with how the Tx path is sub AM symbols.	PMA is ultimately ons are used, tha bsequently descri	r related to two t seems too detailed bed, where the PMA is	Huber, Tom Comment Ty, This sen being in SuggestedRe	be T rence would fit rest-pattern me remedy e sentence to t	Nokia <i>Comment Status</i> X better as part of the earlier p	oaragraph about	

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C/ 155 SC 155.2	.2 P37	L51	# 33	C/ 155	SC 155.2.4.3	P39	L 4	# 4
Huber. Tom	Nokia			Bruckman, L	.eon	Huawei		
<i>comment Type</i> E Missing a B in 64/6	Comment Status X			Comment Ty		nent Status X	ce as the "GMP m	anner" Call it the
0	000				this sentence for consis			
SuggestedRemedy Change to "64B/66	B"			SuggestedR	emedy			
Proposed Response	Response Status 0			Replace	"The mapper values" v	vith: "The GMP map	oper values"	
roposed Nesponse	Response Status U			Proposed Re	esponse Respo	nse Status O		
7 155 SC 155.2	2.4.1 P38	L12	# 58		00.455.0.4.0	Dee	<i>.</i> -	" 07
1aniloff, Eric	Ciena			C/ 155	SC 155.2.4.3	P39	L 5	# <u>35</u>
omment Type T	Comment Status X			Huber, Tom		Nokia		
	rate matching isn't required is c ching is not needed because AM			Comment Ty Since the clause h	e details of the overhea	nent Status X d are in 155.2.4.4.3	, it would be bette	er to just reference th
uggestedRemedy				SuggestedR				
Clarify sentence to on the transcoded	indicate that rate-matching is no blocks.	ot needed becaus	e AM's are not inserted	Revise li	st item 3) to read as fol	ows: "The next 128	0 bits carry OH b	ytes, as discussed in
Proposed Response	Response Status 0			155.2.4.4 Proposed Re		nse Status O		
		1.00	# 6 4	·	,,			
7 155 SC 155.2		L 28	# 34	C/ 155	SC 155.2.4.4.3	P 40	L 26	# 36
luber, Tom	Nokia			Huber, Tom		Nokia		
omment Type T	Comment Status X			Comment Ty	pe T Comr	nent Status X		
blocks, which are bits is not clearly st	the frame is confusing. The text viewed as an array of 256 by 102 tated in the text (it is clear in the anized into 257B blocks - it just o	280 bits, but the s figure). Also, the	witch from blocks to overhead portion of	It would first, and filled in for is set to interleav	be more clear if the spe then the note that othe or the unused bytes sho zero, so that is suggest ing needs to be address in the later clause that i	cific overhead func r OH defined in G.7 vuld be clearly spec ed here as well), an sed. The details of	09.1 is not used. ified (G.709.1 say ind the editor's not the JC OH being	Also the value to be s unsourced overhea concerning
	d sentence of the first paragraph						cincau.	
	ated as a structure with 256 rows			SuggestedRo		a. The overhead	o organizad into /	Lasta of 220 bits that
and 10220 257B bl		nis frame contains	s 5140 bits of overhead	are interl	the text with the followin eaved in groups of 10 b is described in ITU-T G	its to form the 1280) bit field. The cor	ntents of each group
Proposed Response	Response Status O			first set o	of 320 bits is used, and	within those bits, or	nly the multi-frame	e alignment signal

Proposed Response Response Status **O**

overhead defined in G.709.1 is not used and is set to 0.

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

C/ 155 SC 155.2.4.4.3

(MFAS) byte, status byte, and six justification control bytes JC1 to JC6 are used. Other

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C/ 155 SC 155.2	.4.4.3	P 40	L29	# 5	C/ 155	SC 155.2.4.4	4.5	P 40	L 44	# <u>38</u>
Bruckman, Leon	Н	uawei			Huber, Ton	n		Nokia		
Comment Type E	Comment Sta	atus X			Comment 7	Туре Т	Comment	Status X		
	errred to in the previ	ous sentenc	e as the "GMP m	napper". Call it the	LF is a	reasonable rep	placement sign	al to insert (this	s is what ITU and	d OIF both specify)
same in this senten	ice for consistency.				Suggestedl	Remedy				
SuggestedRemedy					Replac	e the first sente	ence of the clau	use and the edi	litor's note with th	e following: In the cas
Replace: "The map	per values" with: "Th	e GMP map	per values"							PCS receive path
Proposed Response	Response Sta	tus O						ying LF ordered	a sets.	
					Proposed F	Response	Response	Status O		
C/ 155 SC 155.2	.4.4.4	P 40	L 39	# 37						
Huber, Tom	Ν	okia			C/ 155	SC 155.2.4.4	4.5	P 41	L 5	# 7
Comment Type T	Comment Sta	atus X			Bruckman,	Leon		Huawei		
					• • •		•	Olation M		
There are only 4 32	0-bit instances in the	e overhead;	the MFAS is only	in the first one.	Comment 7	Гуре Е	Comment	Status X		
5	0-bit instances in the	e overhead;	the MFAS is only	in the first one.		l <i>ype</i> E dant text	Comment	Status X		
SuggestedRemedy						dant text	Comment	Status X		
SuggestedRemedy	S is in the first four 32			r in the first one. MFAS is in the first of	Redund Suggested	dant text Remedy			o the downstream	1 400GBASE-ZR PHY
SuggestedRemedy Change "The MFAS	S is in the first four 32	20-bit OH ins			Redund <i>Suggestedl</i> Replac to indic	dant text <i>Remedy</i> e "The 3-bit LD	0I field is define ' with "The 3-bi	ed to indicate to		1 400GBASE-ZR PHY to the downstream
SuggestedRemedy Change "The MFAS the four 320-bit OH	S is in the first four 32 instances."	20-bit OH ins			Redund <i>Suggestedl</i> Replac to indic	dant text <i>Remedy</i> e "The 3-bit LD ate the quality" ASE-ZR PHY t	0I field is define ' with "The 3-bi	ed to indicate to it LDI field is de		
SuggestedRemedy Change "The MFAS the four 320-bit OH Proposed Response	S is in the first four 32 instances." <i>Response Sta</i>	20-bit OH ins			Redund Suggested Replac to indic 400GB	dant text <i>Remedy</i> e "The 3-bit LD ate the quality" ASE-ZR PHY t)I field is define ' with "The 3-bi he quality"	ed to indicate to it LDI field is de		
SuggestedRemedy Change "The MFAS the four 320-bit OH Proposed Response Cl 155 SC 155.2 Bruckman, Leon	S is in the first four 32 instances." <i>Response Sta</i> .4.4.4	20-bit OH ins <i>tus</i> O P40 Juawei	stances" to "The	MFAS is in the first of	Redund Suggested Replac to indic 400GB	dant text <i>Remedy</i> e "The 3-bit LD ate the quality" ASE-ZR PHY t	0l field is define ' with "The 3-bi he quality" <i>Response</i> -	ed to indicate to it LDI field is de		
SuggestedRemedy Change "The MFAS the four 320-bit OH Proposed Response CI 155 SC 155.2 Bruckman, Leon Comment Type E	S is in the first four 32 instances." <i>Response Sta</i> .4.4.4 H <i>Comment Sta</i>	20-bit OH ins <i>tus</i> O P40 Juawei	stances" to "The	MFAS is in the first of	Redund Suggested Replac to indic 400GB Proposed F	dant text Remedy e "The 3-bit LD ate the quality" ASE-ZR PHY t Response SC 155.2.4 .4	0l field is define ' with "The 3-bi he quality" <i>Response</i> -	ed to indicate to it LDI field is de <i>Status</i> O	efined to indicate	to the downstream
SuggestedRemedy Change "The MFAS the four 320-bit OH Proposed Response Cl 155 SC 155.2 Bruckman, Leon	S is in the first four 32 instances." <i>Response Sta</i> .4.4.4 H <i>Comment Sta</i>	20-bit OH ins <i>tus</i> O P40 Juawei	stances" to "The	MFAS is in the first of	Redund Suggested/ Replac to indic 400GB Proposed F CI 155	dant text <i>Remedy</i> e "The 3-bit LD ate the quality" ASE-ZR PHY t Response SC 155.2.4. ric	0l field is define ' with "The 3-bi he quality" <i>Response</i> -	ed to indicate to it LDI field is de <i>Status</i> O <i>P</i> 41 Ciena	efined to indicate	to the downstream
SuggestedRemedy Change "The MFAS the four 320-bit OH Proposed Response Cl 155 SC 155.2 Bruckman, Leon Comment Type E The MFAS is a wra SuggestedRemedy	S is in the first four 32 instances." <i>Response Sta</i> .4.4.4 H <i>Comment Sta</i> pping counter	20-bit OH ins <i>tus</i> O P 40 Juawei atus X	stances" to "The	MFAS is in the first of	Redund Suggested Replac to indic 400GB Proposed F Cl 155 Maniloff, Ei Comment 1	dant text <i>Remedy</i> e "The 3-bit LD ate the quality" ASE-ZR PHY t Response SC 155.2.4. ric <i>Type</i> T	01 field is define ' with "The 3-bi he quality" <i>Response</i> 4.5 <i>Comment</i>	ed to indicate to it LDI field is de <i>Status</i> O <i>P</i> 41 Ciena	efined to indicate	to the downstream
SuggestedRemedy Change "The MFAS the four 320-bit OH Proposed Response Cl 155 SC 155.2 Bruckman, Leon Comment Type E The MFAS is a wra SuggestedRemedy	S is in the first four 32 instances." <i>Response Sta</i> .4.4.4 H <i>Comment Sta</i> pping counter	20-bit OH ins <i>tus</i> O P 40 Juawei atus X	stances" to "The	MFAS is in the first of	Redund Suggested/ Replac to indic 400GB Proposed F C/ 155 Maniloff, El Comment T Need c	dant text <i>Remedy</i> e "The 3-bit LD ate the quality" ASE-ZR PHY t <i>Response</i> SC 155.2.4 .4 ric <i>Type</i> T complete OH dia	01 field is define ' with "The 3-bi he quality" <i>Response</i> 4.5 <i>Comment</i>	ed to indicate to it LDI field is de <i>Status</i> O P 41 Ciena <i>Status</i> X	efined to indicate	to the downstream
SuggestedRemedy Change "The MFAS the four 320-bit OH Proposed Response Cl 155 SC 155.2 Bruckman, Leon Comment Type E The MFAS is a wra SuggestedRemedy	S is in the first four 32 instances." <i>Response Sta</i> .4.4.4 H <i>Comment Sta</i> pping counter	20-bit OH ins tus O P 40 luawei atus X with "It is a v	stances" to "The	MFAS is in the first of	Redund Suggested Replac to indic 400GB Proposed F C/ 155 Maniloff, Eu Comment T Need c Suggested	dant text <i>Remedy</i> e "The 3-bit LD ate the quality" ASE-ZR PHY t <i>Response</i> SC 155.2.4 . ric <i>Type</i> T complete OH dia <i>Remedy</i>	0) field is define ' with "The 3-bi the quality" <i>Response</i> 4.5 <i>Comment</i> agram to indica	ed to indicate to it LDI field is de <i>Status</i> O P 41 Ciena <i>Status</i> X	L 5 PF locations.	to the downstream

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CI 155 SC 155.2.	4.4.6 P41	L 14	# 39	C/ 155 SC 155	5.2.4.5	P 41	L30	# 10
Huber, Tom	Nokia			Bruckman, Leon		Huawei		
	Comment Status X o introduce the multiframe ails are in the OIF 400ZR	d aspect of this overh	ead here and also	Comment Type E Wrong plural	Con	nment Status X		
SuggestedRemedy Insert this text at the across the second,	e start of the clause: The ju third, and fourth frames of the MFAS) as described in	istification control info a four-frame multifrar	me (based on the two	SuggestedRemedy Replace "A 32-bi code is calculate Proposed Response	d"	dancy codes is calcu	ılated" with: "A 32	-bit cyclic redundanc
Proposed Response	Response Status)						
				C/ 155 SC 155	5.2.4.5	P 41	L 31	# <u>4</u> 0
C/ 155 SC 155.2.	4.4.6 P41	L15	# 8	Huber, Tom		Nokia		
Bruckman, Leon	Huawei			Comment Type T		nment Status X		
-				The generator po	olvnomial is cle	early not described ir	n 3.2.9 of 802.3.	It is unclear what
51	Comment Status X			reference is inter		,		
JCn bytes are used	Comment Status X to recover the data blocks					,		
JCn bytes are used SuggestedRemedy	to recover the data blocks	from the payload.		reference is inter SuggestedRemedy Provide the corre	nded. ect cross-refer	ence. The generator		scussed in 9.2 of OIF
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the s		from the payload. path GMP de-mapper en used by the receiv		reference is inter SuggestedRemedy	nded. ect cross-refer t the intended	ence. The generator		scussed in 9.2 of OIF
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the s to recover the 275B	to recover the data blocks then used by the receive p same" with "which are the	from the payload. bath GMP de-mapper en used by the receiv lem to the same"		reference is inter SuggestedRemedy Provide the corre 400ZR IA; is that	nded. ect cross-refer t the intended	ence. The generator reference?		scussed in 9.2 of OIF
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the s to recover the 275B	to recover the data blocks then used by the receive p same" with "which are the data blocks and re-time th	from the payload. bath GMP de-mapper en used by the receiv lem to the same"		reference is inter SuggestedRemedy Provide the corre 400ZR IA; is that	nded. ect cross-refer t the intended <i>Resp</i>	ence. The generator reference?		scussed in 9.2 of OIF # <u>11</u>
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the to recover the 275B Proposed Response	to recover the data blocks then used by the receive p same" with "which are the data blocks and re-time the <i>Response Status</i>	from the payload. path GMP de-mapper en used by the receiv lem to the same"	re path GMP de-mapper	reference is inter SuggestedRemedy Provide the corre 400ZR IA; is that Proposed Response	nded. ect cross-refer t the intended <i>Resp</i>	ence. The generator reference? oonse Status O	r polynomial is di	
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the to recover the 275B Proposed Response	to recover the data blocks then used by the receive p same" with "which are the data blocks and re-time the <i>Response Status</i> C 4.5 <i>P</i> 4 1	from the payload. bath GMP de-mapper en used by the receiv lem to the same"		reference is inter SuggestedRemedy Provide the corre 400ZR IA; is that Proposed Response	nded. ect cross-refer t the intended <i>Resp</i> 5.2.4.6	ence. The generator reference? ponse Status O P 42	r polynomial is di	
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the to recover the 275B Proposed Response C/ 155 SC 155.2. Bruckman, Leon	to recover the data blocks then used by the receive p same" with "which are the data blocks and re-time th <i>Response Status</i> C 4.5 <i>P</i> 41 Huawei	from the payload. both GMP de-mapper en used by the receiv tem to the same"	re path GMP de-mapper	reference is inter SuggestedRemedy Provide the corre 400ZR IA; is that Proposed Response C/ 155 SC 158 Bruckman, Leon	nded. ect cross-refer t the intended <i>Resp</i> 5.2.4.6	ence. The generator reference? bonse Status O P 42 Huawei	r polynomial is di	
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the s to recover the 275B Proposed Response Cl 155 SC 155.2. Bruckman, Leon Comment Type E	to recover the data blocks then used by the receive p same" with "which are the data blocks and re-time the <i>Response Status</i> C 4.5 P41 Huawei <i>Comment Status</i> X	from the payload. both GMP de-mapper en used by the receiv tem to the same"	re path GMP de-mapper	reference is inter SuggestedRemedy Provide the corre 400ZR IA; is that Proposed Response Cl 155 SC 158 Bruckman, Leon Comment Type	nded. ect cross-refer t the intended <i>Resp</i> 5.2.4.6	ence. The generator reference? bonse Status O P 42 Huawei	r polynomial is di	
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the s to recover the 275B Proposed Response Cl 155 SC 155.2. Bruckman, Leon Comment Type E Unnecessary new lii SuggestedRemedy	to recover the data blocks then used by the receive p same" with "which are the data blocks and re-time the <i>Response Status</i> C 4.5 <i>P</i> 41 Huawei <i>Comment Status</i> X ne and missing chracter	from the payload. path GMP de-mapper en used by the receiv em to the same"	# 9	reference is inter SuggestedRemedy Provide the corre 400ZR IA; is that Proposed Response Cl 155 SC 158 Bruckman, Leon Comment Type E Unnecesary word SuggestedRemedy	nded. ect cross-refer t the intended <i>Resp</i> 5.2.4.6 5.2.4.6 d (IMHO)	ence. The generator reference? bonse Status O P 42 Huawei	r polynomial is dia	# [11
JCn bytes are used SuggestedRemedy Replace "which are 257B blocks to the s to recover the 275B Proposed Response Cl 155 SC 155.2. Bruckman, Leon Comment Type E Unnecessary new lii SuggestedRemedy Make "Each SC-FEI	to recover the data blocks then used by the receive p same" with "which are the data blocks and re-time the <i>Response Status</i> C 4.5 P41 Huawei <i>Comment Status</i> X	from the payload. path GMP de-mapper en used by the receiv em to the same" <i>L</i> 27	# 9	reference is inter SuggestedRemedy Provide the corre 400ZR IA; is that Proposed Response Cl 155 SC 158 Bruckman, Leon Comment Type E Unnecesary word SuggestedRemedy Replace "require	nded. ect cross-refer t the intended <i>Resp</i> 5.2.4.6 : <i>Con</i> d (IMHO) s an additiona	ence. The generator reference? bonse Status O P 42 Huawei ament Status X	r polynomial is dia	# 11

C/ 155 SC 155.2.4.6

CI 155 SC 155.2.4.8	P 44	L 8	# 12	C/ 155 SC 155.2	.5.7.2	P 48	L 41	# 14
Bruckman, Leon	Huawei			Bruckman, Leon	H	uawei		
There seem to be a missing	omment Status X space after the dot			Comment Type T The sentence defin confusing.	<i>Comment Sta</i> ing the RPF bit, altho		al to the one in G	6.709.1, is a little bit
uggestedRemedy Add a space between the do	ot and the beging of the	sentence "The o	peration "	SuggestedRemedy				
•	esponse Status O			400GBASE-ZR rec	bit indicates that a s eive function in the u ion, that a signal fail	pstream dire	ection" with: "The	e RPF bit indicates, i
C/ 155 SC 155.2.5.1	P 47	L 5	# 41	Proposed Response	Response Stat	tus O		
Huber, Tom	Nokia							
Comment Type T Comment Type T Comment Type T Commented by the text is difficult to parse.	omment Status X			C/ 155 SC 155.2	5.7.2	P 48	L 48	# 15
·				Bruckman, Leon	H	uawei		
•				Bruckman, Leon <i>Comment Type</i> E Wrong tense	Hi Comment Sta			
SuggestedRemedy Replace the first sentence w	The Hamming SD-FEC odeword. The incoming xteen DP-16QAM symb	decoder extract	s 119 bits from an d is formed from a	Comment Type E Wrong tense SuggestedRemedy		tus X	ıse 118"	
EuggestedRemedy Replace the first sentence w second sentence as shown: incoming 128-bit SD-FEC cc digitized representation of si are digitized to an m-bit resc	The Hamming SD-FEC odeword. The incoming xteen DP-16QAM symb	decoder extract	s 119 bits from an d is formed from a	Comment Type E Wrong tense SuggestedRemedy	Comment Sta	tus X	ıse 118"	
uggestedRemedy Replace the first sentence w second sentence as shown: incoming 128-bit SD-FEC co digitized representation of si are digitized to an m-bit reso roposed Response Re	The Hamming SD-FEC odeword. The incoming xteen DP-16QAM symb olution by the PMA	decoder extract	s 119 bits from an d is formed from a	Comment Type E Wrong tense SuggestedRemedy Replace "define in t	Comment Sta Clause 118" with "def Response Stat	tus X	use 118" 	# <u>1</u> 6
SuggestedRemedy Replace the first sentence we second sentence as shown: incoming 128-bit SD-FEC condigitized representation of si are digitized to an m-bit rescorposed Response Proposed Response Reference SC 155 SC 155.2.5.7.1	The Hamming SD-FEC odeword. The incoming xteen DP-16QAM symb olution by the PMA esponse Status O	decoder extract SD-FEC codewo ols. The incomin	s 119 bits from an d is formed from a g DP-16QAM symbols	Comment Type E Wrong tense SuggestedRemedy Replace "define in 0 Proposed Response	Comment Sta Clause 118" with "def Response Stat	tus X fined in Clau tus O		# <u>16</u>
SuggestedRemedy Replace the first sentence we second sentence as shown: incoming 128-bit SD-FEC condigitized representation of si are digitized to an m-bit rescorposed Response Proposed Response Re Cl 155 SC 155.2.5.7.1 Bruckman, Leon	The Hamming SD-FEC odeword. The incoming xteen DP-16QAM symb olution by the PMA esponse Status O P48 Huawei omment Status X	decoder extract SD-FEC codewo ols. The incomin	s 119 bits from an d is formed from a g DP-16QAM symbols	Comment Type E Wrong tense SuggestedRemedy Replace "define in 0 Proposed Response Cl 155 SC 155.2	Comment Sta Clause 118" with "def Response Stat	tus X fined in Clau tus O P 49 uawei		# <u>16</u>
Replace the first sentence we second sentence as shown: incoming 128-bit SD-FEC codigitized representation of si are digitized to an m-bit rescipation of second sentence as shown: incoming 128-bit SD-FEC codigitized representation of si are digitized to an m-bit rescipation of sentence as a structure of the sentence as shown: incominent Type T Contract Type T Contr	The Hamming SD-FEC odeword. The incoming xteen DP-16QAM symb olution by the PMA esponse Status O P48 Huawei omment Status X	decoder extract SD-FEC codewo ols. The incomin	s 119 bits from an d is formed from a g DP-16QAM symbols	Comment Type E Wrong tense SuggestedRemedy Replace "define in 0 Proposed Response Cl 155 SC 155.2 Bruckman, Leon Comment Type T	Comment Sta Clause 118" with "def Response Stat	tus X fined in Clau tus O P 49 uawei		# <u>16</u>
SuggestedRemedy Replace the first sentence we second sentence as shown: incoming 128-bit SD-FEC condigitized representation of si are digitized to an m-bit rescord representati are digitized to an m-bit representati are d	The Hamming SD-FEC odeword. The incoming xteen DP-16QAM symb olution by the PMA esponse Status O P48 Huawei omment Status X unter	decoder extract SD-FEC codewo bols. The incomin	s 119 bits from an rd is formed from a g DP-16QAM symbols # 13	Comment Type E Wrong tense SuggestedRemedy Replace "define in 0 Proposed Response Cl 155 SC 155.2 Bruckman, Leon Comment Type T Missing clause SuggestedRemedy There is no clause	Comment Sta Clause 118" with "def Response Stat	tus X fined in Clau tus O P49 uawei tus X	L 1 ber, something li	ke: "The GMP de-

C/ 155 SC 155.2.5.8

C/ 155 SC 155.3	.1.3 P49	L 44	# 97	C/ 155	SC 155.3.3.5	P 58	L 48	# 96
Dawe, Piers	Nvidia			Dawe, Piers	S	Nvidia		
	Comment Status X dfather's PMA. Frame alignment and pilot sequences (PS) are n			Comment T PMA:IS		Comment Status 2 indication to PMA:IS_		tion
	on by directive risks ambiguity			Suggested	-			
SuggestedRemedy						indication to PMD:IS.		tion
	an annex with suitable example an be made available separate		A for the idea). Large	Proposed R	Response	Response Status	0	
Proposed Response	Response Status O			C/ 155	SC 155.3.3.6	P59	L 21	# 19
				Bruckman,	Leon	Huawe	ei	
C/ 155 SC 155.3	.2 P50	L 32	# 17	Comment T	- уре Е	Comment Status	x	
Bruckman, Leon	Huawei			Missing	ı plural			
Comment Type E Missing dot	Comment Status X			SuggestedF Replace	2	m" with: "into two strea	ams"	
S <i>uggestedRemedy</i> Add dot after "4000	BASE-ZR PCS"			Proposed R	Response	Response Status	0	
Proposed Response	Response Status O			C/ 155	SC 155.3.3.6	P 5 9	L 41	# 20
				Bruckman,	Leon	Huawe	ei	
C/ 155 SC 155.3	.2 P51	L 49	# 18	Comment T		Comment Status	x	
Bruckman, Leon	Huawei			Not clea	ar which clause	is referred here		
Comment Type T Sentence is not clea	Comment Status X ar, and also the "SIL" acronym	shall be called ou	t here.				155, so either repalce	e with "according to this
SuggestedRemedy				Proposed R	-		0	
indication logic that	IS_SIGNAL.indication primitiv reports", with "The PMA:IS_S lication logic (SIL) that reports	IGNAL.indication p			esponse	Response Status	0	
Proposed Response	Response Status O			C/ 155	SC 155.7	P 60	L 31	# 60
				Maniloff, Er	ic	Ciena		
				<i>Comment T</i> Delay li	51	Comment Status 2 ns is incorrect, actual		
				<i>SuggestedF</i> Update	Remedy delay with actu	al value.		
				Proposed R		Response Status	0	
	uired ER/editorial required G)/dispatched A/accepted R/re				7 (ith due		C/ 155 SC 155.7	Page 9 of 18 4/28/2021 11:44:09 AI

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SC 155.7 4/28/2021 11:44:09 AM SORT ORDER: Clause, Subclause, page, line

C/ 156 SC 156.1	P 64	L 25	# 61	C/ 156 SC 156.2	P65	L19	# 83
Maniloff, Eric	Ciena			Dawe, Piers	Nvidia		
Comment Type E	Comment Status X			Comment Type T	Comment Status X		
ZR is incomplete nam	ie				GNAL_DETECT parameter car		a fixed to OK
SuggestedRemedy					AIL, while 156.5.4 says that SIC	SNAL_DETECT	S fixed to UK.
Replace ZR with 4000	GBASE-ZR			SuggestedRemedy	used with non-emplified channel		actul to change 1EC E 1
Proposed Response	Response Status O				used with non-amplified channe nal signal detect function with tv		
C/ 156 SC 156.1.1	P 64	L 37	# 62	Proposed Response	Response Status O		
Maniloff, Eric Comment Type T	Ciena Comment Status X			C/ 156 SC 156.2	P65	L23	# 22
BER of 2.4E-4 is inco				Bruckman, Leon	Huawei		
SuggestedRemedy				Comment Type T	Comment Status X		
Replace 2.4E-4 with c	correct value of ~1.26e-2			SIGNAL_DETECT is	s not based on light received, it	is fixed to OK	
Proposed Response	Response Status 0			SuggestedRemedy			
					te the sentence: "It is possible t		
C/ 156 SC 156.2	P65	L19	# 21	sufficient light for a s	GNAL_DETECT = OK indicati	ion and still not m	neet the BER defined in
Bruckman, Leon	Huawei	210	" <u>21</u>	Proposed Response	Response Status 0		
Comment Type T	Comment Status X						
51	56.5.4 SIGNAL_DETECT is fi	xed to OK. This a	ahhl be reflected in				
SuggestedRemedy							
FAIL." with "The SIGN sentence: "When SIG	NAL_DETECT parameter can VAL_DETECT parameter value VAL_DETECT = FAIL, the rx_	e is fixed to OK."	and remove the				
2 - Just remove these							
Proposed Response	Response Status O						

C/ 156 SC 156.2

C/ 156	SC 156.5.1	P 67	L 7	# 103	C/ 156	SC 156.6	P 68	L 37	# 98
awe, Pier	S	Nvidia			Dawe, Piers	S	Nvidia		
point fo	d TP3 are test p r the DWDM bla	Comment Status X points for the PMD. The way ack link is causing problems, ord between 2 m and 5 m in	because the PM	ID and TP2 are			Comment Status X ported, they are transmission a channels	paths. Signals n	nay be transported or
		test point for the transmitter			Suggested				
to be at The inp others)	the same point out to the "Fiber is the MDI.	optic cabling (channel)" (see	Figure 38-7, Fig	ure 151-7 or many	multiple		ransport of multiple DWDM cl nels over a single fiber" or "er fiber".		
		nes for the output of the PMI one could be invented.	0 (such as "MDI"	, "PMD" or	Proposed R	Response	Response Status O		
<i>Iggestedl</i> Define	-	nnel" as from MDI to MDI, s	ame as "Fiber or	otic cabling (channel)"	C/ 156	SC 156.6	P69	L 32	# 63
in so m	any clauses, an	d or "link segment" (see 1.4.			Maniloff, Er	ic	Ciena		
approp TP2 ca		in the "DWDM channel", or t	he transmitter ca	an be connected to TP2	Comment T		Comment Status X		
for test		WDM channel" for use, whi Response Status O				d TP3 need to s of the black I	be indexed to in figure 156-3 ink	to define intra ar	id inter-channel
					SuggestedF Replace	•	2_i and TP3 with TP3_i		
156	SC 156.5.1	P 67	L 16	# 77	Proposed R	Response	Response Status 0		
ark, Char	es	Juniper Netw	orks				,		
omment 7		Comment Status X			C/ 156	SC 156.6	P69	L47	# 78
Figure PMD se		in Fig. 156-2 need to be co	rected.		Park, Charl		Juniper Netv		# 70
ıggestedl		5			Comment T		Comment Status X	VOINS	
00		.request to PMD:IS_UNITD	ATA_3.request"		Table 1				
"PMD:I	S_UNITDATA_(.indication to PMD:IS_UNIT	DATA_3.indicatio	on"	The cha	annel number	and corresponding optical fre epresenting the channel cente		
roposed F	Response	Response Status O			Suggested	Remedy			
							arizing the channel index num tion in the text.	nber and center fr	equency for 100GHz
							e table 154-6 in IEEE802.3ct f annel index assignment for tw		
					Proposed R				

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SC 156.6	4/28/2021 11:44:09 AM

C/ 156 SC 156.7.	1 P 72	L12	# 79	C/ 156 SC 156.7.	1 P72	L 20	# 44
Park, Charles	Juniper Netwo	orks		Zhang, Bo	Marvell / Inpl	hi	
Comment Type T	Comment Status X			Comment Type TR	Comment Status X		
	ninal center frequency is referring	g Table 156-4, w	hich indicating the	laser linewidth spec	needs to be companioned with	laser phase nois	se spec
center frequency of	75GHz grid spacing.			SuggestedRemedy			
Center frequency fo	r 100GHz grid is different from th	nat of 75GHz gri	d.	Add laser phase noi (13.1.210)	se spec from OIF published 40	0ZR IA - laser fre	equency noise mask
Better to provide the	e channel index and correspondi	ng optical freque	ency for 100GHz grid.	Proposed Response	Response Status 0		
SuggestedRemedy							
change context corr	espondingly			0.450 00.450 7	4 070	1.00	# 05
Proposed Response	Response Status 0			C/ 156 SC 156.7.		L 20	# 65
				Maniloff, Eric	Ciena		
C/ 156 SC 156.7.	1 P 72	L17	# 64	Comment Type T A single value for th	Comment Status X e linewidth is insufficient for a c	oherent receiver.	
Maniloff, Eric	Ciena			SuggestedRemedy			
Comment Type T	Comment Status X			Replace linewidth w	ith a Laser Frequency Noise ma	ask.	
	defines a single point on the tran er-channel crosstalk penalties th			Proposed Response	Response Status O		
SuggestedRemedy				C/ 156 SC 156.7.	1 P72	L 26	# 45
	cursion with a Maximum and mi available to define this.	inimum spectral	mask. A supporting	Zhang, Bo	Marvell / Inpl		
Proposed Response	Response Status O			Comment Type TR address TBD for EV	Comment Status X /M (max)		
C/ 156 SC 156.7.	1 P72	L18	# 42	SuggestedRemedy	4.00/ 5		
Zhang, Bo	Marvell / Inphi		11 12		4.8% from way_3ct_01b_1119. test methodology detailed in wa		
Comment Type TR	Comment Status X			than that from pittal		.,	
51	sion ratio (SMSR) is not a releva	int Tx spec for 4	00GBASE-ZR	Proposed Response	Response Status 0		
SuggestedRemedy Replace SMSR spe OpenROADM	c with out-of-band OSNR (min) s	so that it's aligne	d with OIF 400ZR and				
Proposed Response	Response Status 0						

C/ 156 SC 156.7.1

C/ 156 SC 156.7.4	P 72	L 28	# 43	C/ 156 SC 156.7.2	P 73	L 14	# 80
Zhang, Bo	Marvell / Inph	i		Park, Charles	Juniper Netw	vorks	
Comment Type TR	Comment Status X			Comment Type T	Comment Status X		
address TBD for I-Q	offset (max)				al center frequency is referrin	ig Table 156-4, w	hich indicating the
SuggestedRemedy				center frequency of 75	GHz grid spacing.		
	of -26dB and instantaneous I-Q bility between 400ZR and 400G		from OIF 400ZR spec	1 5	00GHz grid is different from	0	
Proposed Response	Response Status 0			Better to provide the c	hannel index and correspond	ing optical freque	ency for 100GHz grid
				SuggestedRemedy			
	P72	L28	# 67	change context corres	pondingly		
Maniloff, Eric	Ciena	L 20	# 07	Proposed Response	Response Status O		
Comment Type T	Comment Status X						
I-Q Offset should inc	lude both a max instantaneous	and mean value)	C/ 156 SC 156.7.2	P 73	L17	# 49
SuggestedRemedy				Zhang, Bo	Marvell / Inpl	ni	
Split I/Q offset into n	naximum instantaneous and me	an values		Comment Type TR	Comment Status X		
Proposed Response	Response Status 0			Value in damage three	shold is empty		
				SuggestedRemedy	nage threshold spec or add a	TDD in the value	
C/ 156 SC 156.7.	P72	L 33	# <u>6</u> 6	Proposed Response	°		e cell
Maniloff, Eric	Ciena			Froposed Response	Response Status O		
Comment Type T	Comment Status X						
Laser RIN is missing	from table			C/ 156 SC 156.7.2	P 73	L 24	# 46
SuggestedRemedy				Zhang, Bo	Marvell / Inpl	ni	
Add an entry for RIN	Average and an entry for RIN p	beak		Comment Type TR	Comment Status X		
Proposed Response	Response Status 0			Average receive powe Average receive powe	r values called out in 'Receiv r value in line 20	er OSNR' are not	aligned with the mir
				SuggestedRemedy			
				Replace -16dBm with	-12dBm		

C/ 156 SC 156.7.2

C 156 SC 156.7.2	P 73	L 24	# 68	C/ 156 SC 1	56.7.2	P 73	L 33	# 48
Maniloff, Eric	Ciena			Zhang, Bo		Marvell / Inph	i	
Comment Type T	Comment Status X			Comment Type	TR	Comment Status X		
Receiver OSNR specs	should be defined relative to	-12dBm		footnote b says	s mandatory	receiver OSNR tolerance	e spec is informa	ative
SuggestedRemedy Replace -16dBm with -				SuggestedRemedy Revise footnote informative		eceiver sensitivity (max), f	or OSNR >=34d	IB (12.5GHz) is
Proposed Response	Response Status O			Proposed Respons	se F	Response Status O		
C 156 SC 156.7.2	P 73	L 27	# 69					
laniloff, Eric	Ciena				56.7.2	P 73	L 33	# 70
omment Type T	Comment Status X			Maniloff, Eric		Ciena		
	nce should be defined for Ave	erage Power (mir	ו)	· · · //·	-	Comment Status X		
JagestedRemedy				Tx OSNR min i	is 34dB, this	s should be used in note b)	
Replace -16dBm with -	12dBm			SuggestedRemedy				
roposed Response	Response Status 0			Replace 35 dB				
				Proposed Respons	se F	Response Status O		
156 SC 156.7.2	P 73	L 28	# 47	C/ 156 SC 1	EC 9	P74	L7	# 72
hang, Bo	Marvell / Inph	i			50.0		L1	# 12
omment Type TR	Comment Status X			Maniloff, Eric	_	Ciena		
Average receive power min Average receive p	⁻ value called out in 'Receiver ower value in line 20	OSNR tolerance	e' is not aligned with the		•	<i>Comment Status</i> X include a more detailed E	WDM channel p	passband definition.
uggestedRemedy				SuggestedRemedy	,			
Replace -16dBm with -	12dBm					for the DWDM channel. A	supporting con	tribution will be
Proposed Response	Response Status O			presenteu.				

C/ 156 SC 156.8

C/ 156 SC 156.8	P 74	L 7	# 71	C/ 156 SC 156.8 P74 L12	# 50
Vaniloff, Eric	Ciena			Zhang, Bo Marvell / Inphi	
passband and the p	Comment Status X U-T G698.2 to define both the a passband. Ripple as used here s within the passband.			Comment Type TR Comment Status X OSNR at TP3 value is not aligned with Transmitter in-band OSNR SuggestedRemedy	/alue
SuggestedRemedy	·			Replace 35dB with 34dB	
	larify that ripple is only defining ssband.	the loss/gain vari	ations withing th	Proposed Response Response Status O	
Proposed Response	Response Status O			C/ 156 SC 156.8 P74 L12	# 54
	P 74	L9	# 53	Zhang, Bo Marvell / Inphi	
Zhang, Bo	Marvell / Inpl		# 53	Comment Type TR Comment Status X Address TBD for OSNR at TP3<35dB	
Comment Type TR	Comment Status X			SuggestedRemedy	
Address TBD for Av	verage output power at TP3			Replace TBD with -12dBm per Receiver spec	
SuggestedRemedy Replace TBD with ()dBm per Receiver spec			Proposed Response Response Status O	
Proposed Response	Response Status 0			C/ 156 SC 156.8 P74 L17	# 51
				Zhang, Bo Marvell / Inphi	
C/ 156 SC 156.8 Maniloff, Eric	Р 74 Ciena	L11	# 73	Comment Type TR Comment Status X OSNR at TP3 value is not aligned with Transmitter in-band OSNR	value
Comment Type T References to 35 d	Comment Status X B should all be to 34dB, since th	nis is the minimu	m Tx OSNR	SuggestedRemedy Replace 35dB with 34dB	
SuggestedRemedy Replace all reference	ces (lines 11, 12, 16, 19) to 35d	B (12.5GHz) with	1 34 dB (12.5GHz)	Proposed Response Response Status O	
Proposed Response	Response Status O			C/ 156 SC 156.8 P74 L19	# 52
				Zhang, Bo Marvell / Inphi	
				Comment Type TR Comment Status X OSNR at TP3 value is not aligned with Transmitter in-band OSNR	value
				SuggestedRemedy Replace 35dB with 34dB	
				Proposed Response Response Status O	
TYPE: TR/technical req	uired ER/editorial required GR			G/general C/ 156	Page 15 of 18

C/ 156 SC 156.8	P 74	L 25	# 55	C/ 156	SC 156.9.9	P 76	L 31	# 24
Zhang, Bo	Marvell / Inpl	hi		Le Chemin	nant, Greg	Keysight 7	Technologies	
Comment Type TR	Comment Status X			Comment	Туре Т	Comment Status X		
Address TBD for fil	ber chromatic dispersion slope					vector-magnitude (EVM) is		
SuggestedRemedy					on as well as a s es in OSNR (see	specification limit. Small o	changes in EVM ca	an be seen as large
Replace TBD with	0.05ps/km/nm/nm per P802.3ct	spec		http://g	rouper.ieee.org/	/groups/802/3/cn/public/ad		
Proposed Response	Response Status 0					equires a known method o quires a specific analysis p		
						e explcitly defined. See	process to achieve	consistent results.
C/ 156 SC 156.8	P74	L 34	# 74	https:// 7.pdf a		g/groups/802/3/cn/public/a	adhoc/19_0207/lect	heminant_3cn_01_19020
Maniloff, Eric	Ciena	234	# 14			g/groups/802/3/cn/public/a	adhoc/19 0509/lecl	heminant 3ct 01 19050
,				9.pdf	0 1 0		_	
Comment Type T	Comment Status X stalk is not a meaningful specific			Suggested	Remedy			
		ration for a coher		••	-			
			entreceiver. The	A meth	nod for computin	ig EVM has been develop	ed by Keysight Teo	chnologies and used in
spectral distributior	n of the crosstalk needs to be de		entreceiver. me	ITU an	d OIF standards	This is contained within	i a large Matlab scr	ript. The computation
spectral distributior SuggestedRemedy	n of the crosstalk needs to be de	fined.		ITU an details	d OIF standards need to be follo	5. This is contained within wed exactly to achieve co	a large Matlab scr Insistent results. T	ript. The computation his script is available for
spectral distributior SuggestedRemedy Inter-Channel cross	n of the crosstalk needs to be de stalk should be replaced with a s	fined.	d attenuation definition	ITU an details use wit	d OIF standards need to be follo thin the IEEE 80	This is contained within	a large Matlab scr onsistent results. T oo large to be direc	ipt. The computation his script is available for ctly written into the
spectral distributior SuggestedRemedy Inter-Channel cross	n of the crosstalk needs to be de	fined.	d attenuation definition	ITU an details use wit standa script n	d OIF standards need to be follo thin the IEEE 80 rd document, so nanagement an	5. This is contained within wed exactly to achieve co 2.3 standard. It is likely to off used, guidance from the d inclusiion within the 802	a large Matlab scr onsistent results. T oo large to be direc he group is reques .3cw clauses. A p	ript. The computation his script is available for ctly written into the ted on the details for
spectral distributior SuggestedRemedy Inter-Channel cross between adjacent p presented.	n of the crosstalk needs to be de stalk should be replaced with a s	fined.	d attenuation definition	ITU an details use wit standa script n Keysig	d OIF standards need to be follo thin the IEEE 80 rd document, so nanagement an ht EVM script is	5. This is contained within wed exactly to achieve co 2.3 standard. It is likely to of fused, guidance from the standard standard.	a large Matlab scr onsistent results. T oo large to be direc he group is reques .3cw clauses. A p	ript. The computation his script is available for ctly written into the ted on the details for
spectral distributior SuggestedRemedy Inter-Channel cross between adjacent p presented.	n of the crosstalk needs to be de stalk should be replaced with a s ports on the DWDM Black Link. A	fined.	d attenuation definition	ITU an details use wit standa script n	d OIF standards need to be follo thin the IEEE 80 rd document, so nanagement an ht EVM script is	5. This is contained within wed exactly to achieve co 2.3 standard. It is likely to off used, guidance from the d inclusiion within the 802	a large Matlab scr onsistent results. T oo large to be direc he group is reques .3cw clauses. A p	ript. The computation his script is available for ctly written into the ted on the details for
spectral distributior SuggestedRemedy Inter-Channel cross between adjacent p presented. Proposed Response	n of the crosstalk needs to be de stalk should be replaced with a s ports on the DWDM Black Link. <i>A</i> <i>Response Status</i> O	fined.	d attenuation definition	ITU an details use wit standa script r Keysig Proposed F	d OIF standards need to be follo thin the IEEE 80 rd document, so management an ht EVM script is <i>Response</i>	 This is contained within wed exactly to achieve co 3 standard. It is likely to If used, guidance from tid inclusiion within the 802 planned to support this co Response Status O 	a large Matlab scr onsistent results. T oo large to be direc he group is reques 3cw clauses. A p omment	ript. The computation his script is available for otly written into the ted on the details for presentation on the
spectral distributior SuggestedRemedy Inter-Channel cross between adjacent p presented. Proposed Response	n of the crosstalk needs to be de stalk should be replaced with a s ports on the DWDM Black Link. <i>A</i> <i>Response Status</i> O	fined. spectrally resolved A supporting cont	d attenuation definition tribution will be	ITU an details use wit standa script n Keysig	d OIF standards need to be follo thin the IEEE 80 rd document, so nanagement an ht EVM script is	 This is contained within wed exactly to achieve co 3 standard. It is likely to If used, guidance from tid inclusiion within the 802 planned to support this co Response Status O 	a large Matlab scr onsistent results. T oo large to be direc he group is reques .3cw clauses. A p	ript. The computation his script is available for ctly written into the ted on the details for
spectral distribution SuggestedRemedy Inter-Channel cross between adjacent p presented. Proposed Response Cl 156 SC 156.9 Maniloff, Eric	n of the crosstalk needs to be de stalk should be replaced with a s borts on the DWDM Black Link. <i>A</i> <i>Response Status</i> O 0.5 <i>P</i> 76	fined. spectrally resolved A supporting cont	d attenuation definition tribution will be	ITU an details use wit standa script r Keysig Proposed F	d OIF standards need to be follo thin the IEEE 80 rd document, so nanagement an ht EVM script is <i>Response</i> SC 156.9.12	 This is contained within wed exactly to achieve co 3 standard. It is likely to If used, guidance from tid inclusiion within the 802 planned to support this co Response Status O 	a large Matlab scr onsistent results. T oo large to be direc he group is reques 3cw clauses. A p omment	ript. The computation his script is available for otly written into the ted on the details for presentation on the
spectral distribution SuggestedRemedy Inter-Channel cross between adjacent p presented. Proposed Response C/ 156 SC 156.9 Maniloff, Eric Comment Type T	n of the crosstalk needs to be de stalk should be replaced with a s borts on the DWDM Black Link. <i>A</i> <i>Response Status</i> O 0.5 <i>P</i> 76 Ciena	fined. spectrally resolved A supporting cont	d attenuation definition tribution will be # 7 <u>5</u>	ITU an details use wit standa script n Keysig Proposed f C/ 156	d OIF standards need to be follo thin the IEEE 80 rd document, sc management an ht EVM script is Response SC 156.9.12 rs	s. This is contained within wed exactly to achieve co 2.3 standard. It is likely to b If used, guidance from th d inclusiion within the 802 planned to support this co <i>Response Status</i> O	a large Matlab scr onsistent results. T oo large to be direc he group is reques 3cw clauses. A p omment	ript. The computation his script is available for otly written into the ted on the details for presentation on the
spectral distribution SuggestedRemedy Inter-Channel cross between adjacent p presented. Proposed Response Cl 156 SC 156.9 Maniloff, Eric Comment Type T Laser Linewidth de	n of the crosstalk needs to be de stalk should be replaced with a s borts on the DWDM Black Link. <i>A</i> <i>Response Status</i> O 0.5 <i>P</i> 76 Ciena <i>Comment Status</i> X	fined. spectrally resolved A supporting cont	d attenuation definition tribution will be # 7 <u>5</u>	ITU an details use wit standa script r Keysig Proposed F CI 156 Dawe, Pier Comment T This su	d OIF standards need to be follo thin the IEEE 80 rd document, so nanagement an ht EVM script is <i>Response</i> SC 156.9.12 rs <i>Type</i> TR ubclause is supp	s. This is contained within wed exactly to achieve co 2.3 standard. It is likely to b If used, guidance from th d inclusiion within the 802 planned to support this co <i>Response Status</i> O <i>P</i> 77 Nvidia <i>Comment Status</i> X posed to define transmitter	a large Matlab scr onsistent results. T oo large to be direc he group is reques .3cw clauses. A p omment <i>L</i> 3 r in-band OSNR. It	tipt. The computation this script is available for otly written into the ted on the details for presentation on the # <u>95</u>
spectral distribution SuggestedRemedy Inter-Channel cross between adjacent p presented. Proposed Response Cl 156 SC 156.9 Maniloff, Eric Comment Type T Laser Linewidth de SuggestedRemedy	n of the crosstalk needs to be de stalk should be replaced with a s borts on the DWDM Black Link. A Response Status 0 0.5 P76 Ciena Comment Status X fined as a single parameter is ins	fined. spectrally resolved A supporting cont	d attenuation definition tribution will be # 7 <u>5</u>	ITU an details use wit standa script r Keysig Proposed F C/ 156 Dawe, Pier Comment T This su in 156.	d OIF standards need to be follo thin the IEEE 80 rd document, so management an- ht EVM script is <i>Response</i> SC 156.9.12 rs <i>Type</i> TR ubclause is supp 9.11." but does	s. This is contained within wed exactly to achieve co 2.3 standard. It is likely to b If used, guidance from th d inclusiion within the 802 planned to support this co <i>Response Status</i> O <i>P</i> 77 Nvidia <i>Comment Status</i> X	a large Matlab scr onsistent results. T oo large to be direc he group is reques .3cw clauses. A p omment <i>L</i> 3 r in-band OSNR. It	tipt. The computation this script is available for otly written into the ted on the details for presentation on the # <u>95</u>
spectral distribution SuggestedRemedy Inter-Channel cross between adjacent p presented. Proposed Response Cl 156 SC 156.9 Maniloff, Eric Comment Type T Laser Linewidth de SuggestedRemedy A laser frequency r	n of the crosstalk needs to be de stalk should be replaced with a s ports on the DWDM Black Link. A Response Status O 0.5 P76 Ciena Comment Status X fined as a single parameter is ins	fined. spectrally resolved A supporting cont	d attenuation definition tribution will be # 7 <u>5</u>	ITU an details use wit standa script r Keysig Proposed F CI 156 Dawe, Pier Comment T This su in 156. Suggested	d OIF standards need to be follo thin the IEEE 80 rd document, so management an- ht EVM script is <i>Response</i> SC 156.9.12 rs <i>Type</i> TR ubclause is supp 9.11." but does <i>Remedy</i>	s. This is contained within wed exactly to achieve co 2.3 standard. It is likely to b If used, guidance from ti d inclusiion within the 802 planned to support this co <i>Response Status</i> O <i>P</i> 77 Nvidia <i>Comment Status</i> X posed to define transmitter not say what "transmitter	a large Matlab scr onsistent results. T oo large to be direc he group is reques .3cw clauses. A p omment <i>L</i> 3 r in-band OSNR. It	tipt. The computation this script is available for otly written into the ted on the details for presentation on the # <u>95</u>
spectral distribution SuggestedRemedy Inter-Channel cross between adjacent p presented. Proposed Response Cl 156 SC 156.9 Maniloff, Eric Comment Type T Laser Linewidth de SuggestedRemedy	n of the crosstalk needs to be de stalk should be replaced with a s borts on the DWDM Black Link. A Response Status 0 0.5 P76 Ciena Comment Status X fined as a single parameter is ins	fined. spectrally resolved A supporting cont	d attenuation definition tribution will be # 7 <u>5</u>	ITU an details use wit standa script r Keysig Proposed F CI 156 Dawe, Pier Comment T This su in 156. Suggested	d OIF standards need to be follo thin the IEEE 80 rd document, so management an- ht EVM script is <i>Response</i> SC 156.9.12 rs <i>Type</i> TR ubclause is supp 9.11." but does	s. This is contained within wed exactly to achieve co 2.3 standard. It is likely to b If used, guidance from ti d inclusiion within the 802 planned to support this co <i>Response Status</i> O <i>P</i> 77 Nvidia <i>Comment Status</i> X posed to define transmitter not say what "transmitter	a large Matlab scr onsistent results. T oo large to be direc he group is reques .3cw clauses. A p omment <i>L</i> 3 r in-band OSNR. It	tipt. The computation this script is available for otly written into the ted on the details for presentation on the # <u>95</u>

C/ 156 SC 156.9.12

156 SC 156.9.15	P 77	L 25	# 100	C/ 156	SC 156.10.2	P 78	L38	# 101
awe, Piers	Nvidia			Dawe, Piers		Nvidia		
comment Type T	Comment Status X			Comment Typ	e TR	Comment Status X		
which sounds like OSN	ver OSNR" says "The Receive IR tolerance. Yet the next sul				ntence above at the MDI.	says, laser safety should app	ly at the Tx MDI	also. As we know,
tolerance". The names	are too similar.			SuggestedRe	medy			
	it clear to the reader why the					nannel points at TP2 and TP3 ate fibers, such as TP2 and T		
difference is. If possibl	e, rename one of them. A re	ference to 156A	.2 might help.	Proposed Res	ponse	Response Status 0		
roposed Response	Response Status O							
				C/ 156	SC 156.10.2	P78	L 44	# 23
156 SC 156.9.15	P 77	L 28	# 99	Bruckman, Le	on	Huawei		
awe, Piers	Nvidia			Comment Typ	e E	Comment Status X		
comment Type TR	Comment Status X			Verb fix				
Need to say whether tra	ansmitter impairments are inc	luded or not		SuggestedRe	medv			
uggestedRemedy				00		facturer of a laser product pr	ovide informatio	n" with "that the
Following 154.9.15 (P8	02.3ct), change "includes effe	ects from impair	ments inside the			product provides information		
inside the DWDM black	includes effects associated wi k link." Further, as the receive own transmitter, this would be ransmitter and inside a DWD	er should tolerate e better "includes	e any compliant	Proposed Res	ponse	Response Status O		
		VI DIACK IIIIK		C/ 156	SC 156.11	P 79	L 41	# 92
with impairments of a ti	Posponso Status							
	Response Status O			Dawe, Piers		Nvidia		
with impairments of a ti	Response Status O			Dawe, Piers Comment Typ	e TR	Nvidia Comment Status X		
with impairments of a ti	Response Status O P 78	L17	# [76	Comment Typ As we all	know and Figu	Comment Status X re 156-2 shows, TP2 is not t		
with impairments of a tr roposed Response		L17	# [76	<i>Comment Typ</i> As we all which rem	know and Figu inds us that "	Comment Status X re 156-2 shows, TP2 is not t he optical transmit signal is	defined at the o	utput end of a single-
with impairments of a tr roposed Response	Р 78	L17	# 76	Comment Typ As we all which rem mode fibe	know and Figu iinds us that " ⁻ r patch cord (⁻	Comment Status X re 156-2 shows, TP2 is not t	defined at the o	utput end of a single
with impairments of a tr roposed Response 1 156 SC 156.9.22 Ianiloff, Eric Comment Type T Inter-Channel Crosstal	P 78 Ciena	ation for a coher		Comment Typ As we all which rem mode fibe	know and Figu inds us that " r patch cord (i 156.11 has b	Comment Status X re 156-2 shows, TP2 is not t he optical transmit signal is P2), between 2 m and 5 m in	defined at the o	utput end of a single

156.9.22 should be modified to include an adjacent channel spectral attenuation for the DWDM black link, and describe how this is used along with Tx spectrum to calculate the worst-case inter-channel crosstalk.

Proposed Response Response Status **O**

Proposed Response Response Status **0**

C/ 156 SC 156.11

C/ 156A	SC 156A.3	P87	L 47	# 93	C/ 156A	SC 156A.4	P88	L 54	# 102
Dawe, Piers		Nvidia			Dawe, Pier	S	Nvidia		
Comment Ty	vpe TR	Comment Status X			Comment 7	Type TR	Comment Status X		
		ything "application" means h 9 link segment.	ere. Sometime	s it's the wrong wo			at TP2 and TP3" yet we know en 2 m and 5 m in length (se		nd TP2 are separated
SuggestedR	emedy				Suggested	Remedy			
		nples of DWDM black link ap OSNR" (there is only one		DSNR" to "DWD	DM Delete	"at TP2 and TF	23".		
channels 3. Chan example In 156A. 4. In 156	s" to "For a par lge "Specifically with"; 4: 6A.4, change "	plication over any DWDM bl ticular DWDM black link dist y in an example application o Example of DWDM black lin h OSNR" (there are four exa	ance and numbe of 40 channels" t k applications wi	er of channels"; o "Specifically in ai	in	<i>kesponse</i>	Response Status O		
5. Chan 6. Chan "convent 7. Chan to: Table	ge "four examp ge "convention tional point-to-p ge Table 156A 156A-240-cl	al point (there are not exa ples of DWDM black link app al point-to-point Ethernet ap point Ethernet link segment v -240 channel example DW hannel example with xt three tables.	plications" to "fou plication where t where the PMDs	the PMDs" to ",					
5. Chan 6. Chan "convent 7. Chan to: Table	ge "four examp ge "conventior tional point-to-p ge Table 156A 156A-240-cl larly for the ne	ples of DWDM black link app nal point-to-point Ethernet ap point Ethernet link segment v v-240 channel example DW hannel example with	plications" to "fou plication where t where the PMDs	the PMDs" to ",					
5. Chan 6. Chan "convent 7. Chan to: Table and simi Proposed Re	ge "four examp ge "conventior tional point-to-p ge Table 156A 156A-240-cl larly for the ne	ples of DWDM black link app nal point-to-point Ethernet ap point Ethernet link segment v -240 channel example DW hannel example with xt three tables.	plications" to "fou plication where t where the PMDs	the PMDs" to ",					
5. Chan 6. Chan "convent 7. Chan to: Table and simi	ge "four examp ge "conventior tional point-to-r ge Table 156A > 156A-240-cl larly for the ne esponse	ples of DWDM black link app nal point-to-point Ethernet ap point Ethernet link segment v -240 channel example DW hannel example with xt three tables. <i>Response Status</i> O	blications" to "fou plication where t vhere the PMDs DM black link ap <i>L</i> 34	the PMDs" to "; pplication with					
5. Chan 6. Chan "convent 7. Chan to: Table and simi Proposed Re Cl 156A Zhang, Bo Comment Ty As the lo	ge "four examp ge "conventior tional point-to-p ge Table 156A 156A-240-cl larly for the ne esponse SC 156A.4 pe TR pss budget betw	ples of DWDM black link app nal point-to-point Ethernet ap point Ethernet link segment v x-240 channel example DW hannel example with xt three tables. <i>Response Status</i> O <i>P</i> 88	blications" to "fou plication where t vhere the PMDs DM black link ap <i>L</i> 34	the PMDs" to "; pplication with # <u>56</u>	ge for				
5. Chan 6. Chan "convent 7. Chan to: Table and simi Proposed Re Cl 156A Zhang, Bo Comment Ty As the lo	ge "four examp ge "conventior tional point-to-r ge Table 156A > 156A-240-cl larly for the ne esponse SC 156A.4 pe TR pss budget betw fied scenarios v	ples of DWDM black link app nal point-to-point Ethernet ap point Ethernet link segment v -240 channel example DW hannel example with xt three tables. <i>Response Status</i> O <i>P</i> 88 Marvell / Inpt <i>Comment Status</i> X ween TP2 to TP3 is less thar	blications" to "fou plication where t vhere the PMDs DM black link ap <i>L</i> 34	the PMDs" to "; pplication with # <u>56</u>	ge for				
5. Chan 6. Chan "convent 7. Chan to: Table and simi Proposed Re Cl 156A Zhang, Bo Comment Ty As the lo unamplif	ge "four examp ge "conventior tional point-to-r ge Table 156A a 156A-240-cl larly for the ne esponse SC 156A.4 ype TR pss budget betw fied scenarios w emedy	ples of DWDM black link app nal point-to-point Ethernet ap point Ethernet link segment v -240 channel example DW hannel example with xt three tables. <i>Response Status</i> O <i>P</i> 88 Marvell / Inpt <i>Comment Status</i> X ween TP2 to TP3 is less thar	blications" to "fou plication where t vhere the PMDs DM black link ap <i>L</i> 34	the PMDs" to "; pplication with # <u>56</u>	ge for				

C/ 156A SC 156A.4