CI 00 SC 0	P85	L48	# 19	C/ 45 SC 45.2	.1.186	P45	L <b>24</b>	# 14
Schmitt, Matt	CableLabs			Maniloff, Eric		Ciena		
Comment Type E	Comment Status D			Comment Type <b>T</b>	Commen	nt Status D		
	e in 802.3 to use a dash "" to c ltiple places (the first being on p			SC-FEC needs co bits (pre-Fec bit-e				Counters for corrected
SuggestedRemedy				SuggestedRemedy				
Replace with dotted	bullets, if permissible under 802	2.3 style guideline	es.	Add 64 bit counte	rs for these			
Proposed Response	Response Status <b>O</b>			Proposed Response	Response	e Status <b>O</b>		
7 1 SC 1.4	P22	L <b>20</b>	# 47	C/ 45 SC 45.2	.1.186ab	P36	L <b>21</b>	# 26
'Ambrosia, John	Futurewei, U.	S. Subsidiary of	Huawei	Trowbridge, Steve		Nokia		
Comment Type T	Comment Status D			Comment Type TF	<b>R</b> Commen	nt Status D		
DWDM System is no	ot defined			Clause 152.6.6 in a bug fix that was				rue. Note that this wa
uggestedRemedy				maintenance requ		1 Since inverse		
fiber or a single optic	DM System - An aggregate of D <sup>r</sup> cal fiber per direction. <i>Response Status</i> <b>0</b>	WDM links over	either a single optical	not be optional. SuggestedRemedy				
fiber or a single optic	cal fiber per direction.	WDM links over	either a single optical	not be optional.	FEC does not sup			
fiber or a single optic proposed Response	cal fiber per direction. Response Status O	WDM links over o	either a single optical # <u>38</u>	not be optional. <i>SuggestedRemedy</i> Remove "0 = RS-	FEC does not sup	oport optional sta		
fiber or a single optic proposed Response 7 45 SC 45.2.1. licholl, Gary	cal fiber per direction. Response Status O .133b P27 Cisco			not be optional. SuggestedRemedy Remove "0 = RS- Proposed Response	FEC does not sup	oport optional sta		
fiber or a single optic Proposed Response 7 45 SC 45.2.1. Vicholl, Gary Comment Type E	cal fiber per direction. Response Status O .133b P27 Cisco Comment Status D	L18	# <u>38</u>	not be optional. SuggestedRemedy Remove "0 = RS- Proposed Response	FEC does not sup Response	oport optional sta e Status <b>O</b>	ates in Figure 91-	-8" 
fiber or a single optic Proposed Response Cl 45 SC 45.2.1. Nicholl, Gary Comment Type E This sectuoin talks a	cal fiber per direction. Response Status O .133b P27 Cisco Comment Status D about "Tx optical frequency index	L18	# <u>38</u>	not be optional. <i>SuggestedRemedy</i> Remove "0 = RS- <i>Proposed Response</i> <i>Cl</i> <b>45</b> <i>SC</i> <b>45.2</b>	FEC does not sup Response	oport optional sta e Status O P 37	ates in Figure 91-	-8" 
fiber or a single optic Proposed Response C/ 45 SC 45.2.1. Nicholl, Gary Comment Type E This sectuoin talks a uses the term "Chan	cal fiber per direction. Response Status O .133b P27 Cisco Comment Status D about "Tx optical frequency index	L18	# <u>38</u>	not be optional. SuggestedRemedy Remove "0 = RS- Proposed Response Cl 45 SC 45.2 Trowbridge, Steve Comment Type TF Clause 152.6.6 in	FEC does not sup <i>Response</i> .1.186ab Commen dicates that FEC_	poport optional state <i>Status</i> <b>O</b> <i>P</i> 37 Nokia <i>Status</i> <b>D</b> _optional_states	ates in Figure 91- <i>L</i> <b>25</b> is always set to t	-8" # <u>27</u> rue. Note that this wa
fiber or a single optic Proposed Response 27 45 SC 45.2.1. Nicholl, Gary Comment Type E This sectuoin talks a uses the term "Chan SuggestedRemedy	cal fiber per direction. Response Status O .133b P27 Cisco Comment Status D about "Tx optical frequency index anel Index number"	L18 x" but referes to <sup>-</sup>	# <u>38</u> Table 154-6 which	not be optional. SuggestedRemedy Remove "0 = RS- Proposed Response Cl 45 SC 45.2 Trowbridge, Steve Comment Type TF Clause 152.6.6 in a bug fix that was	FEC does not sup Response .1.186ab Commen dicates that FEC_ only made option	poport optional sta e Status <b>O</b> P37 Nokia nt Status <b>D</b> _optional_states nal to avoid maki	ates in Figure 91- <i>L</i> <b>25</b> is always set to t ng implementatio	# 27 rue. Note that this wa
fiber or a single optic proposed Response 45 SC 45.2.1. Nicholl, Gary comment Type E This sectuoin talks a uses the term "Chan suggestedRemedy Propose using consis	cal fiber per direction. Response Status O .133b P27 Cisco Comment Status D about "Tx optical frequency index anel Index number" istent terminologt between Claus	L18 x" but referes to <sup>-</sup>	# <u>38</u> Table 154-6 which	not be optional. SuggestedRemedy Remove "0 = RS- Proposed Response Cl 45 SC 45.2 Trowbridge, Steve Comment Type TF Clause 152.6.6 in a bug fix that was	FEC does not sup Response .1.186ab Commen dicates that FEC_ only made option	poport optional sta e Status <b>O</b> P37 Nokia nt Status <b>D</b> _optional_states nal to avoid maki	ates in Figure 91- <i>L</i> <b>25</b> is always set to t ng implementatio	-8" # <u>27</u> rue. Note that this wa
fiber or a single optic Proposed Response Cl 45 SC 45.2.1. Nicholl, Gary Comment Type E This sectuoin talks a uses the term "Chan SuggestedRemedy Propose using consis	cal fiber per direction. Response Status O .133b P27 Cisco Comment Status D about "Tx optical frequency index anel Index number"	L18 x" but referes to <sup>-</sup>	# <u>38</u> Table 154-6 which	not be optional. SuggestedRemedy Remove "0 = RS- Proposed Response Cl 45 SC 45.2 Trowbridge, Steve Comment Type TF Clause 152.6.6 in a bug fix that was maintenance requ	FEC does not sup Response .1.186ab Commen dicates that FEC_ only made option	poport optional sta e Status <b>O</b> P37 Nokia nt Status <b>D</b> _optional_states nal to avoid maki	ates in Figure 91- <i>L</i> <b>25</b> is always set to t ng implementatio	# <u>27</u> rue. Note that this wa
fiber or a single optic Proposed Response Cl 45 SC 45.2.1. Nicholl, Gary Comment Type E This sectuoin talks a uses the term "Chan SuggestedRemedy	cal fiber per direction. Response Status O .133b P27 Cisco Comment Status D about "Tx optical frequency index anel Index number" istent terminologt between Claus	L18 x" but referes to <sup>-</sup>	# <u>38</u> Table 154-6 which	not be optional. SuggestedRemedy Remove "0 = RS- Proposed Response Cl 45 SC 45.2 Trowbridge, Steve Comment Type TF Clause 152.6.6 in a bug fix that was maintenance requ not be optional.	FEC does not sup Response .1.186ab Commen dicates that FEC_ only made option lest non-complian	P37 P37 Nokia optional_states al to avoid makin t. Since Inverse	ates in Figure 91- <i>L</i> <b>25</b> is always set to t ng implementatio RS-FEC is new,	# 2 <u>7</u> rue. Note that this was ons prior to the these states should

C/ **45** SC **45.2.1.186ab** 

C/ 80 SC 80.1.3	P <b>46</b>	L <b>7</b>	# 39	CI 80 SC	80.1.4	P <b>47</b>	L 30	# 52
Nicholl, Gary	Cisco			D'Ambrosia, Joł	n	Futurewei, U	S. Subsidiary of	Huawei
Comment Type E	Comment Status D			Comment Type		Comment Status D		
	nstruction and associated tex					minology it was agreed to d		
	2.3cu also made changes to i	item n on the list.				This should e reflected in the is terminology that has been		
SuggestedRemedy				cause some		ne terminelegy that had bee		in the, which high
	struction from "as changed by 802.3cd-2018" to "as change			SuggestedReme	edy			
	d modify the text to inorporate					definition in 1.4) to 100 Gb/s		
Proposed Response	Response Status <b>O</b>					wavelength on a defined free with reach up to at least 80 l		
				Proposed Respo	onse	Response Status O		
C/ 80 SC 80.1.4	P47	L19	# 40					
Nicholl, Gary	Cisco			C/ 80 SC	80.1.5	P48	L <b>3</b>	# 28
Comment Type E	Comment Status D			Trowbridge, Ste	ve	Nokia		
Is the sentence beginn Clause 91 abnd Clause	ning with "Some 100GBASE-I	R Physical" i	missing a comma after	Comment Type	Е	Comment Status D		
						seems not entirely consister		
uggestedRemedy Add missing commas.						a (which presumably gets m		
Ū.						BASE-SR2 and 100GBASE- SE-FR1 and 100GBASE-LR		
Proposed Response	Response Status <b>O</b>							
	,			to Table 80-	4 itself. As	a single-lane PHY, does this	belong in Table	80-4a rather than
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			Table 80-4,		a single-lane PHY, does this ely, should a new Table 80-		
· · ·	Р <b>4</b> 7	L30	# 53	Table 80-4, type?	or alternativ			
C/ 80 SC 80.1.4		L <b>30</b> J.S. Subsidiary of		Table 80-4, type? SuggestedReme	or alternativ edy	ely, should a new Table 80-	4b be created for	this new different PHY
· ·				Table 80-4, type? <i>SuggestedReme</i> Either add 1	or alternativ edy 00GBASE-	ely, should a new Table 80- ZR to Table 80-4a from 802.	4b be created for	this new different PHY
C/ <b>80</b> SC <b>80.1.4</b> D'Ambrosia, John Comment Type <b>T</b>	Futurewei, U	J.S. Subsidiary of	Huawei	Table 80-4, type? SuggestedReme	or alternativ edy 00GBASE-	ely, should a new Table 80-	4b be created for	this new different PHY
C/ <b>80</b> SC <b>80.1.4</b> D'Ambrosia, John Comment Type <b>T</b>	Futurewei, U Comment Status D	J.S. Subsidiary of	Huawei	Table 80-4, type? <i>SuggestedReme</i> Either add 1	or alternativ edy 00GBASE-	ely, should a new Table 80- ZR to Table 80-4a from 802.	4b be created for	this new different PHY
5/ <b>80</b> SC <b>80.1.4</b> D'Ambrosia, John Comment Type <b>T</b> Based on proposed mo PHY.	Futurewei, U Comment Status D	J.S. Subsidiary of	Huawei	Table 80-4, type? SuggestedReme Either add 1 Proposed Respo	or alternativ edy 00GBASE-	ely, should a new Table 80- ZR to Table 80-4a from 802.	4b be created for	this new different PHY
2/ 80 SC 80.1.4 D'Ambrosia, John Comment Type T Based on proposed mo PHY. SuggestedRemedy Add definition - DWDM	Futurewei, U <i>Comment Status</i> <b>D</b> nodification of 100GBASE-ZR M PHY - An Ethernet PHY tha	J.S. Subsidiary of description, add	Huawei a definition for DWDM	Table 80-4, type? SuggestedReme Either add 1 Proposed Respo	or alternativ edy 00GBASE- onse	ely, should a new Table 80- ZR to Table 80-4a from 802. <i>Response Status</i> <b>O</b>	4b be created for .3cd or to a new <sup>-</sup>	r this new different PHY Table 80-4b
Cl 80 SC 80.1.4 D'Ambrosia, John Comment Type T Based on proposed me PHY. SuggestedRemedy Add definition - DWDM defined frequency grid	Futurewei, U Comment Status D nodification of 100GBASE-ZR M PHY - An Ethernet PHY tha d and is capable of running ov	J.S. Subsidiary of description, add	Huawei a definition for DWDM	Table 80-4, type?SuggestedReme Either add 1Proposed ResponseCl80SC	or alternativ edy 00GBASE- onse	rely, should a new Table 80- ZR to Table 80-4a from 802. <i>Response Status</i> <b>O</b> <i>P</i> <b>48</b>	4b be created for .3cd or to a new <sup>-</sup>	r this new different PHY Table 80-4b
7 80 SC 80.1.4 D'Ambrosia, John <i>comment Type</i> <b>T</b> Based on proposed mo PHY. <i>suggestedRemedy</i> Add definition - DWDM defined frequency grid	Futurewei, U <i>Comment Status</i> <b>D</b> nodification of 100GBASE-ZR M PHY - An Ethernet PHY tha	J.S. Subsidiary of description, add	Huawei a definition for DWDM	Table 80-4, type? SuggestedReme Either add 1 Proposed Respo C/ 80 SC Nicholl, Gary Comment Type	or alternativ edy 00GBASE- onse 2 80.1.5 E	rely, should a new Table 80- ZR to Table 80-4a from 802. <i>Response Status</i> <b>O</b> <i>P</i> 48 Cisco	4b be created for .3cd or to a new <sup>-</sup> <i>L</i> 6	* this new different PHY Table 80-4b # 41
C/ 80 SC 80.1.4 D'Ambrosia, John Comment Type T Based on proposed me PHY. SuggestedRemedy Add definition - DWDM defined frequency grid	Futurewei, U Comment Status D nodification of 100GBASE-ZR M PHY - An Ethernet PHY tha d and is capable of running ov	J.S. Subsidiary of description, add	Huawei a definition for DWDM	Table 80-4, type? SuggestedReme Either add 1 Proposed Respo C/ 80 SC Nicholl, Gary Comment Type	or alternativ edy 00GBASE- onse 2 80.1.5 E	rely, should a new Table 80- ZR to Table 80-4a from 802. <i>Response Status</i> <b>O</b> <i>P</i> 48 Cisco <i>Comment Status</i> <b>D</b>	4b be created for .3cd or to a new <sup>-</sup> <i>L</i> 6	* this new different PHY Table 80-4b # 41
C/ 80 SC 80.1.4 D'Ambrosia, John Comment Type T Based on proposed mo PHY. SuggestedRemedy Add definition - DWDM	Futurewei, U Comment Status D nodification of 100GBASE-ZR M PHY - An Ethernet PHY tha d and is capable of running ov	J.S. Subsidiary of description, add	Huawei a definition for DWDM	Table 80-4, type? SuggestedReme Either add 1 Proposed Respo C/ 80 SC Nicholl, Gary Comment Type	or alternativ edy 00GBASE- onse <b>80.1.5</b> <b>E</b> new PMD be	rely, should a new Table 80- ZR to Table 80-4a from 802. <i>Response Status</i> <b>O</b> <i>P</i> 48 Cisco <i>Comment Status</i> <b>D</b>	4b be created for .3cd or to a new <sup>-</sup> <i>L</i> 6	* this new different PHY Table 80-4b # 41
Cl 80 SC 80.1.4 D'Ambrosia, John Comment Type T Based on proposed me PHY. SuggestedRemedy Add definition - DWDM defined frequency grid	Futurewei, U Comment Status D nodification of 100GBASE-ZR M PHY - An Ethernet PHY tha d and is capable of running ov	J.S. Subsidiary of description, add	Huawei a definition for DWDM	Table 80-4, type? SuggestedReme Either add 1 Proposed Respo C/ 80 SC Nicholl, Gary Comment Type Should the r	or alternativ edy 00GBASE- onse <b>80.1.5</b> <b>E</b> new PMD be edy	rely, should a new Table 80- ZR to Table 80-4a from 802. <i>Response Status</i> <b>O</b> <i>P</i> 48 Cisco <i>Comment Status</i> <b>D</b>	4b be created for .3cd or to a new <sup>-</sup> <i>L</i> 6	* this new different PHY Table 80-4b # 41
Cl 80 SC 80.1.4 D'Ambrosia, John Comment Type T Based on proposed me PHY. SuggestedRemedy Add definition - DWDM defined frequency grid	Futurewei, U Comment Status D nodification of 100GBASE-ZR M PHY - An Ethernet PHY tha d and is capable of running ov	J.S. Subsidiary of description, add	Huawei a definition for DWDM	Table 80-4, type? SuggestedReme Either add 1 Proposed Respo Cl 80 SC Nicholl, Gary Comment Type Should the r SuggestedReme	or alternativ edy 00GBASE- onse <b>80.1.5</b> <b>E</b> new PMD be edy	rely, should a new Table 80- ZR to Table 80-4a from 802. <i>Response Status</i> <b>O</b> <i>P</i> 48 Cisco <i>Comment Status</i> <b>D</b> e inlouded in Table 80-4, Tal	4b be created for .3cd or to a new <sup>-</sup> <i>L</i> 6	* this new different PHY Table 80-4b # 41
2 80 SC 80.1.4 D'Ambrosia, John comment Type T Based on proposed mo PHY. uggestedRemedy Add definition - DWDN defined frequency grid proposed Response	Futurewei, U Comment Status D nodification of 100GBASE-ZR M PHY - An Ethernet PHY tha d and is capable of running ov	J.S. Subsidiary of description, add at operates at a s /er a DWDM syst	Huawei a definition for DWDM single wavelength on a tem	Table 80-4, type? SuggestedReme Either add 1 Proposed Respo Cl 80 SC Nicholl, Gary Comment Type Should the r SuggestedReme Proposed Respo	or alternativ edy 00GBASE- onse <b>80.1.5</b> <b>E</b> new PMD be edy	rely, should a new Table 80- ZR to Table 80-4a from 802. <i>Response Status</i> <b>O</b> <i>P</i> 48 Cisco <i>Comment Status</i> <b>D</b> e inlouded in Table 80-4, Tal	4b be created for .3cd or to a new <sup>-</sup> <i>L</i> <b>6</b> ble 80-4a or a ne	* this new different PHY Table 80-4b # 41

SORT ORDER: Clause, Subclause, page, line

C/ 80	SC 80.2.3	P48	L <b>47</b>	# 42	C/ 119	SC 119.2	P 57	L1	# 46
licholl, G	ary	Cisco			D'Ambrosia,	John	Future	wei, U.S. Subsidiary	y of Huawei
omment	Туре Е	Comment Status D			Comment Ty	be TR	Comment Status	D	
Shoul	dn't the editing i	instruction be updated to refle	ct the changes m	ade in 802.3cu D1p0 ?			e of P802.3ct, if the p		
	dRemedy			040" to "excelsion and but			provals, modifications e part of the new prop		ould no longer be in scop
IEEE	Std 802.3cd-20	Iction from "as changed by IEE 18 and modified by IEEE Std nade by IEEE Std 802.3cu-20x	802.3cu-20xx" . I		SuggestedRe Delete al	e <i>medy</i> I proposed ch	anges to 119		
Proposed	Response	Response Status O			Proposed Re	sponse	Response Status	0	
;/ <b>80</b>	SC 80.4	P51	L3	# 43	C/ <b>152</b>	SC 152.1	P 58	L 58	# 55
licholl, G	ary	Cisco			D'Ambrosia,	John	Future	wei, U.S. Subsidiary	y of Huawei
omment	Туре Е	Comment Status D			Comment Ty	pe T	Comment Status	D	
					FEC) sub				
, as v		e editing instruction to only sho E Std 802.3cu-20xx <i>Response Status</i> <b>O</b>	ow the new rows t	that are being inserted	100ĠBAS specified used acro specified	SE-R PHYs. 1 in Clause 91 oss a chip-to- in Clause 153	chip or chip-to-module		
, as v Proposed	was done in IEE	E Std 802.3cu-20xx	bw the new rows th	that are being inserted	100ĠBAS specified used acro specified	SE-R PHYs. 1 in Clause 91 oss a chip-to- in Clause 15 etween the P	is chip or chip-to-module 3		
, as v Proposed	vas done in IEE <i>Response</i>	E Std 802.3cu-20xx Response Status <b>O</b>			100ĠBAS specified used acro specified is used b <i>SuggestedRe</i>	SE-R PHYs. 1 in Clause 91 oss a chip-to- in Clause 15 etween the Pl emedy	is chip or chip-to-module 3	interface and the 1	00GBASE-ZR FEC
, as v roposed / <b>80</b> rowbridg	vas done in IEE <i>Response</i> SC <b>80.5</b> ge, Steve	E Std 802.3cu-20xx Response Status O P53			100ĠBAS specified used acro specified is used b <i>SuggestedRe</i>	SE-R PHYs. 1 in Clause 91 oss a chip-to- in Clause 153 etween the Pl emedy d of sentence	is chip or chip-to-module 3 MD sublayers.	interface and the 10 00GBASE-ZR PHY	00GBASE-ZR FEC
, as v roposed / <b>80</b> rowbridg omment Since	vas done in IEE <i>Response</i> <i>SC</i> 80.5 ge, Steve <i>Type</i> <b>T</b> the Inverse RS	E Std 802.3cu-20xx <i>Response Status</i> <b>O</b> <i>P</i> <b>53</b> Nokia <i>Comment Status</i> <b>D</b> -FEC and SC-FEC sub-layers	L1 remove all prior	# 29skew and start a fresh	100ĠBAS specified used acro specified is used b <i>SuggestedRe</i> add at en	SE-R PHYs. 1 in Clause 91 oss a chip-to- in Clause 153 etween the Pl emedy d of sentence	is chip or chip-to-module 3 MD sublayers. e - "of two connected 1	interface and the 10 00GBASE-ZR PHY	00GBASE-ZR FEC
, as v roposed / <b>80</b> rowbridg omment Since skew	vas done in IEE Response SC 80.5 ge, Steve Type T the Inverse RS budget, the only	E Std 802.3cu-20xx <i>Response Status</i> <b>O</b> <i>P</i> <b>53</b> Nokia <i>Comment Status</i> <b>D</b> -FEC and SC-FEC sub-layers y real question to be answered	L <b>1</b> remove all prior : l regarding wheth	# 29 skew and start a fresh er we need to establish	100ĠBAS specified used acro specified is used b <i>SuggestedRe</i> add at en <i>Proposed Re</i>	SE-R PHYs. 1 in Clause 91 oss a chip-to- in Clause 153 etween the Pl emedy d of sentence	is chip or chip-to-module 3 MD sublayers. e - "of two connected 1	interface and the 10 00GBASE-ZR PHY <b>0</b>	00GBASE-ZR FEC
, as v roposed / 80 rowbridg omment Since skew new s could	As done in IEE Response SC 80.5 ge, Steve Type T the Inverse RS- budget, the only kew limits for th only occur betw	E Std 802.3cu-20xx Response Status <b>O</b> P53 Nokia Comment Status <b>D</b> -FEC and SC-FEC sub-layers y real question to be answered his interface is if the skew oppor yeen the two streams of DQPS	L1 remove all prior a regarding wheth ortunity between S SK symbols on th	# 29 skew and start a fresh er we need to establish SP3 and SP4 (which e two polarizations)	100ĠBAS specified used acro specified is used b <i>SuggestedRe</i> add at en <i>Proposed Re</i>	SE-R PHYs. T in Clause 91 poss a chip-to- in Clause 15: etween the Pl emedy ad of sentence sponse SC 152.1.2	is chip or chip-to-module MD sublayers. e - "of two connected 1 <i>Response Status</i> <i>P</i> 59	interface and the 10 00GBASE-ZR PHY <b>0</b>	00GBASE-ZR FEC s. # <u>50</u>
, as v roposed / 80 / rowbridg omment Since skew new s could could	Arrow as done in IEE Response SC 80.5 ge, Steve Type T the Inverse RS- budget, the only kew limits for th only occur betw exceed the 80n	E Std 802.3cu-20xx <i>Response Status</i> <b>O</b> <b>P53</b> Nokia <i>Comment Status</i> <b>D</b> -FEC and SC-FEC sub-layers y real question to be answered his interface is if the skew oppo	L1 remove all prior a regarding wheth ortunity between S SK symbols on th	# 29 skew and start a fresh er we need to establish SP3 and SP4 (which e two polarizations)	100ĠBAS specified used acro specified is used b SuggestedRe add at en Proposed Re	SE-R PHYs. 1 in Clause 91 oss a chip-to- in Clause 153 etween the Pl emedy d of sentence sponse SC <b>152.1.2</b> John	is chip or chip-to-module MD sublayers. e - "of two connected 1 <i>Response Status</i> <i>P</i> 59	interface and the 10 00GBASE-ZR PHY <b>0</b> <i>L</i> 19 wei, U.S. Subsidiary	00GBASE-ZR FEC s. # <u>50</u>
, as v roposed rowbridg omment Since skew new s could could uggested Add to	Arrow as done in IEE Response SC 80.5 ge, Steve Type T the Inverse RS- budget, the only kew limits for th only occur betw exceed the 80n dRemedy o editor's note th	E Std 802.3cu-20xx <i>Response Status</i> <b>O</b> <i>P</i> <b>53</b> Nokia <i>Comment Status</i> <b>D</b> -FEC and SC-FEC sub-layers y real question to be answered his interface is if the skew oppo- veen the two streams of DQPS as of skew or 2.4ns of skew va hat this depends on whether th	L1 remove all prior a regarding wheth ortunity between s K symbols on the riation already income me maximum skew	# 29 skew and start a fresh er we need to establish SP3 and SP4 (which e two polarizations) cluded in clause 80.5.	100ĠBAS specified used acro specified is used b SuggestedRe add at en Proposed Re C/ 152 D'Ambrosia, Comment Tyj There are	SE-R PHYs. 1 in Clause 91 oss a chip-to- in Clause 15: etween the Pl emedy d of sentence sponse SC 152.1.2 John De TR e now two ver	is chip or chip-to-module MD sublayers. e - "of two connected 1 <i>Response Status</i> <i>P</i> 59 Future <i>Comment Status</i>	interface and the 10 00GBASE-ZR PHY 0 <i>L</i> 19 wei, U.S. Subsidiary	00GBASE-ZR FEC s. # <u>50</u>
, as v Proposed C/ 80 Trowbridg Comment Since skew new s could could Suggested Add to DPQF	Arrow as done in IEE Response SC 80.5 ge, Steve Type T the Inverse RS- budget, the only kew limits for th only occur betw exceed the 80n dRemedy o editor's note th PSK symbols on	E Std 802.3cu-20xx Response Status <b>O</b> P53 Nokia Comment Status <b>D</b> -FEC and SC-FEC sub-layers y real question to be answered his interface is if the skew oppo- veen the two streams of DQPS is of skew or 2.4ns of skew va	L1 remove all prior s regarding wheth ortunity between S K symbols on the riation already income me maximum skew	# 29 skew and start a fresh er we need to establish SP3 and SP4 (which e two polarizations) cluded in clause 80.5.	100ĠBAS specified used acro specified is used b SuggestedRe add at en Proposed Re C/ 152 D'Ambrosia, Comment Tyj There are	SE-R PHYs. T in Clause 91 oss a chip-to- in Clause 153 etween the Pl emedy d of sentence sponse SC 152.1.2 John be TR e now two ver PMA" might c	is chip or chip-to-module MD sublayers. e - "of two connected 1 <i>Response Status</i> <i>P</i> 59 Future <i>Comment Status</i> sions of 100G PMAs -	interface and the 10 00GBASE-ZR PHY 0 <i>L</i> 19 wei, U.S. Subsidiary	00GBASE-ZR FEC s. # <u>50</u> y of Huawei
, as v Proposed C/ 80 Frowbridg Comment Since skew new s could Could Suggested Add to DPQF skew	Arrow as done in IEE Response SC 80.5 ge, Steve Type T the Inverse RS- budget, the only kew limits for th only occur betw exceed the 80n dRemedy o editor's note th PSK symbols on	E Std 802.3cu-20xx Response Status <b>O</b> P53 Nokia Comment Status <b>D</b> -FEC and SC-FEC sub-layers y real question to be answered his interface is if the skew oppo- veen the two streams of DQPS is of skew or 2.4ns of skew va that this depends on whether the the two orthogonal polarization	L1 remove all prior s regarding wheth ortunity between S K symbols on the riation already income me maximum skew	# 29 skew and start a fresh er we need to establish SP3 and SP4 (which e two polarizations) cluded in clause 80.5.	100ĠBAS specified used acro specified is used b SuggestedRe add at en Proposed Re C/ 152 D'Ambrosia, Comment Typ There are generic " SuggestedRe Update a	SE-R PHYs. T in Clause 91 poss a chip-to- in Clause 15 etween the Pl emedy d of sentence sponse SC 152.1.2 John pe TR e now two ver PMA" might c emedy	is chip or chip-to-module MD sublayers. e - "of two connected 1 <i>Response Status</i> <i>P</i> 59 Future <i>Comment Status</i> sions of 100G PMAs -	interface and the 10 00GBASE-ZR PHY <b>D</b> wei, U.S. Subsidiary <b>D</b> 100GBASE-R and 5	00GBASE-ZR FEC s. # <u>50</u> y of Huawei 100GBASE-Z. Use of

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C/ 152 SC 152.5	P60	L28	# 30	C/ 152 SC 152.5.2.5	P62	L37	# 2
Trowbridge, Steve	Nokia			Bruckman, Leon	Huawei		
Comment Type TR	Comment Status D			Comment Type E	Comment Status D		
	elsewhere, it is worth noting in at the FEC optional states are		another difference	This section is exactly t whole thing	he same as 91.5.3.5. Better	refer to that sec	ction than repeat the
SuggestedRemedy				SuggestedRemedy			
Add a sentence to th Inverse FEC sublaye	his clause "The FEC optional s or"	tates in clause 91	are mandatory for the	Replace the text in the s	section with: See 91.5.3.5		
Proposed Response	Response Status <b>O</b>			Proposed Response	Response Status O		
		· -	"	C/ 152 SC 152.5.3.2	P66	L17	# 32
C/ 152 SC 152.5.2		L7	# 31	Trowbridge, Steve	Nokia		
Trowbridge, Steve	Nokia			Comment Type TR	Comment Status D		
While it is specified e	Comment Status <b>D</b> elsewhere, it is worth noting wl				skew opportunity between the nost a single C2M interface,		
While it is specified of FEC optional states SuggestedRemedy Add a sentence "Not dotted line of Figure		andatory in this co , illustrated with t	ontext. he states within the	sublayer (generally at m the PCS and the RS FE variation limits as Claus SuggestedRemedy Change the skew TBD t	nost a single C2M interface, C sublayer, no reason not t e 91 in the Tx direction. to 49ns and the skew variati	no optical link) t o use the same	han there is betwee skew and skew
While it is specified of FEC optional states SuggestedRemedy Add a sentence "Not dotted line of Figure FEC sublayer."	elsewhere, it is worth noting wi from that state diagram are ma te that the FEC optional states	andatory in this co , illustrated with t	ontext. he states within the	sublayer (generally at m the PCS and the RS FE variation limits as Claus SuggestedRemedy	nost a single C2M interface, C sublayer, no reason not t e 91 in the Tx direction.	no optical link) t o use the same	han there is betwee skew and skew
While it is specified of FEC optional states SuggestedRemedy Add a sentence "Not dotted line of Figure FEC sublayer." Proposed Response	elsewhere, it is worth noting wi from that state diagram are ma te that the FEC optional states 91-8, and Transition A, are ma <i>Response Status</i> <b>O</b>	andatory in this co , illustrated with t	ontext. he states within the	sublayer (generally at m the PCS and the RS FE variation limits as Claus SuggestedRemedy Change the skew TBD f Proposed Response Cl 152 SC 152.5.3.5	nost a single C2M interface, C sublayer, no reason not to the 91 in the Tx direction. to 49ns and the skew variation Response Status <b>O</b> P66	no optical link) t o use the same	han there is betwee skew and skew
While it is specified of FEC optional states         SuggestedRemedy         Add a sentence "Not dotted line of Figure FEC sublayer."         Proposed Response         C/ 152       SC 152.5.2	elsewhere, it is worth noting wi from that state diagram are ma te that the FEC optional states 91-8, and Transition A, are ma <i>Response Status</i> <b>O</b>	andatory in this co , illustrated with t andatory in the co	ontext. he states within the ntext of the Inverse RS	sublayer (generally at m the PCS and the RS FE variation limits as Claus SuggestedRemedy Change the skew TBD the Proposed Response Cl 152 SC 152.5.3.5 Bruckman, Leon	nost a single C2M interface, C sublayer, no reason not to the 91 in the Tx direction. to 49ns and the skew variation <i>Response Status</i> <b>O</b> <i>P</i> 66 Huawei	no optical link) t o use the same ion TBD to 400p	han there is betwee skew and skew s
While it is specified of FEC optional states SuggestedRemedy Add a sentence "Not dotted line of Figure FEC sublayer." Proposed Response Cl 152 SC 152.5.2 Bruckman, Leon	elsewhere, it is worth noting wi from that state diagram are ma te that the FEC optional states 91-8, and Transition A, are ma <i>Response Status</i> <b>O</b> 2.3 <i>P</i> 62	andatory in this co , illustrated with t andatory in the co	ontext. he states within the ntext of the Inverse RS	sublayer (generally at m the PCS and the RS FE variation limits as Claus SuggestedRemedy Change the skew TBD the Proposed Response Cl 152 SC 152.5.3.5 Bruckman, Leon Comment Type E	nost a single C2M interface, C sublayer, no reason not to the 91 in the Tx direction. To 49ns and the skew variation Response Status <b>O</b> P66 Huawei Comment Status <b>D</b>	no optical link) t o use the same ion TBD to 400p <i>L</i> 40	than there is between skew and skew ss # 3
While it is specified of FEC optional states SuggestedRemedy Add a sentence "Not dotted line of Figure FEC sublayer." Proposed Response C/ 152 SC 152.5.2 Bruckman, Leon	elsewhere, it is worth noting wi from that state diagram are ma te that the FEC optional states 91-8, and Transition A, are ma <i>Response Status</i> <b>O</b> 2.3 <i>P</i> 62 Huawei	andatory in this co , illustrated with t andatory in the co	ontext. he states within the ntext of the Inverse RS	sublayer (generally at m the PCS and the RS FE variation limits as Claus SuggestedRemedy Change the skew TBD the Proposed Response Cl 152 SC 152.5.3.5 Bruckman, Leon Comment Type E	nost a single C2M interface, C sublayer, no reason not to the 91 in the Tx direction. to 49ns and the skew variation <i>Response Status</i> <b>O</b> <i>P</i> 66 Huawei	no optical link) t o use the same ion TBD to 400p <i>L</i> 40	than there is between skew and skew ss # 3
While it is specified of FEC optional states SuggestedRemedy Add a sentence "Not dotted line of Figure FEC sublayer." Proposed Response C/ 152 SC 152.5.2 Bruckman, Leon Comment Type ER Typo: tx_scrambed	elsewhere, it is worth noting wi from that state diagram are ma te that the FEC optional states 91-8, and Transition A, are ma <i>Response Status</i> <b>O</b> 2.3 <i>P</i> 62 Huawei	andatory in this co , illustrated with t andatory in the co	ontext. he states within the ntext of the Inverse RS	sublayer (generally at m the PCS and the RS FE variation limits as Claus SuggestedRemedy Change the skew TBD the Proposed Response Cl 152 SC 152.5.3.5 Bruckman, Leon Comment Type E This section is exactly the	nost a single C2M interface, C sublayer, no reason not to the 91 in the Tx direction. To 49ns and the skew variation Response Status <b>O</b> P66 Huawei Comment Status <b>D</b>	no optical link) t o use the same ion TBD to 400p <i>L</i> 40	than there is betwee skew and skew s # <u>3</u>
While it is specified of FEC optional states SuggestedRemedy Add a sentence "Not dotted line of Figure FEC sublayer." Proposed Response C/ 152 SC 152.5.2 Bruckman, Leon Comment Type ER	elsewhere, it is worth noting wi from that state diagram are ma te that the FEC optional states 91-8, and Transition A, are ma <i>Response Status</i> <b>O</b> 2.3 <i>P</i> 62 Huawei <i>Comment Status</i> <b>D</b>	andatory in this co , illustrated with t andatory in the co	ontext. he states within the ntext of the Inverse RS	sublayer (generally at m the PCS and the RS FE variation limits as Claus SuggestedRemedy Change the skew TBD f Proposed Response Cl 152 SC 152.5.3.5 Bruckman, Leon Comment Type E This section is exactly th whole thing SuggestedRemedy	nost a single C2M interface, C sublayer, no reason not to the 91 in the Tx direction. To 49ns and the skew variation Response Status <b>O</b> P66 Huawei Comment Status <b>D</b>	no optical link) t o use the same ion TBD to 400p <i>L</i> 40	than there is betwee skew and skew s # <u>3</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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

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C/ 152 SC 152.5.3.6 P68 L3 # 4	C/ 153 SC 153.2.3.2.4 P84 L37 # 18
Bruckman, Leon Huawei	Schmitt, Matt CableLabs
Comment Type T Comment Status D	Comment Type E Comment Status D
Substituting the fixed bytes of the alignment markers corresponding to PCS lanes 17, 18, and 19 with the fixed bytes for the alignment marker corresponding to PCS lane 16 is required for EEE deep sleep mode that is not define for 100GBASE-ZR.	The text immediately following Figure 153-3 reads awkwardly: the first sentence reads as if it should end with a colon because it's setting up the list, whereas the second sentence with the colon is providing more context.
SuggestedRemedy	SuggestedRemedy
Remove requirement to substitute PCS lanes 17, 18, and 19 with the fixed bytes for the alignment marker corresponding to PCS lane 16	The two sentences should ideally be merged together, perhaps by making the second sentence a paranthetical comment on the first (in other words, putting all of the second
Proposed Response Response Status O	sentence in parantheses), which then technically has the colon at the end of a single sentence.
	Proposed Response Response Status <b>O</b>
C/ 153 SC 153 P81 L1 # 45	J
Nicholl, Gary Cisco	C/ 153 SC 153.2.3.2.4 P84 L45 # 5
Comment Type E Comment Status D	Bruckman, Leon Huawei
Would it be better to have the 100GBASE-ZR PMA in a separate clause ? It doesn't look	Comment Type ER Comment Status D
like it has to be in the same clause as 153 and cluld easily be separated. Having it in the same claue as the SC-FEC, adds another layer of sub-layer number for the SC-FEC description.	From the text it is not clear why MFAS is required. I assume the main reason of defining and using it is that the SC-FEC uses it to identify the blocks (and not for the PT
SuggestedRemedy	identification). It will be beneficial to have some text justifying the MFAS support.
Consider pulling the 100GBASE-ZR PMA into a secarate clause to simoplify the sub-	SuggestedRemedy
clause numbering in Clause 153.	Replace 2) with the following text: The MFAS is a multi-frame alignment signal. This field
Proposed Response Response Status <b>O</b>	counts from 0 to 255, encoded with the most significant bit transmitted first; and it is required by the SC-FEC to identify the blocks (refer to ITU-T G.709.2 Annex B).
	Proposed Response Response Status <b>O</b>
C/ 153 SC 153.2.3.2.2 P84 L10 # 33	
rowbridge, Steve Nokia	C/ 153 SC 153.2.3.2.4 P84 L48 # 6
Comment Type TR Comment Status D	Bruckman, Leon Huawei
In the Tx direction, there is exactly the same skew opportunity between the PCS or Inverse	Comment Type E Comment Status D
FEC sublayer and the SC-FEC sublayer as there is between the PCS and the RS FEC sublayer, so no reason to use any other value than Clause 91	Missing part of the reference "G.709.2"
SuggestedRemedy	SuggestedRemedy
Change the skew TBD to 49ns and the skew variation TBD to 400ps	Refer to "ITU-T G.709.2"
Proposed Response Response 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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

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	2.4 P85	L17	# 7	CI 153 SC 153.2.3.2.	.4 P87	L23	# 44
Bruckman, Leon	Huawei			Nicholl, Gary	Cisco		-
Comment Type E Text not clear.	Comment Status D			Comment Type E Note appears to be usir	Comment Status <b>D</b> ng the wronf font.		
	is a generic mechanism that one of the payload and the space in the payload and the space in the			SuggestedRemedy Fix font used fo note.			
sigma/delta distribution accommodate an arbit	n algorithm," with: "While GMI trary signaling rate difference l mplementing a sigma/delta dis	P is a generic me between the pay	echanism that can loadand the space in	Proposed Response	Response Status <b>O</b>		
Proposed Response	Response Status <b>O</b>		,	Cl 153 SC 153.2.3.3. Bruckman, Leon	Huawei	L 29	# 10
C/ 153 SC 153.2.3.2	2.4 <i>P</i> 86	L23	# 8	Comment Type E	Comment Status D		h a muchad
Bruckman, Leon	Huawei				ne GMP demapper, so the c	iemapper snould i	pe quotea.
Comment Type TR	Comment Status D			SuggestedRemedy	s of the GMP mapper" with	"The principles o	f the CMP domesser"
• •	nd DI bits in rows 2 and 3 are v	wrong		Proposed Response			i the Givir demapper
SuggestedRemedy				Floposed Response	Response Status <b>O</b>		
II in row 2 should be 1	and DI should be 0, and in ro	w 3 II should be	0 and DI should be 1.				
Proposed Response	Response Status <b>O</b>			C/ 153 SC 153.2.4	P 89	L <b>50</b>	# 11
				Bruckman, Leon	Huawei		
C/ 153 SC 153.2.3.2	2.4 <i>P</i> 87	L23	# 9	Comment Type TR	Comment Status D		
Bruckman, Leon	Huawei	220	" 5	algorithm should be def	uired for the SC-FEC block i fined.	dentification, the l	MEAS synchronization
Comment Type TR	Comment Status D			SuggestedRemedy			
	people to think that the 100G	BASE-RZ signa	l is interoperable with		tion similar to the one define	ed in ITU-T G.798	section 8.2.2
an OTU4 interface, bu	It this is not the case since all are not assigned in a 100GBA	OAM fields of an		Proposed Response	Response Status O		
SuggestedRemedy							
	der one of the following option PT and remove the note	S:		C/ 153 SC 153.2.5	P 93	L30	# 15
2 - Just remove the no				Maniloff, Eric	Ciena		
Proposed Response	Response Status O			Comment Type <b>T</b> Table 153-2 should defi	Comment Status <b>D</b> ine registers for calculating	pre-FEC BER.	
				SuggestedRemedy			
				Add corrected bits and	total bits to Table 153-2		

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SC 153.2.5 10/18/2019 12:48:11 PM SORT ORDER: Clause, Subclause, page, line

C/ 153 SC 153.2.5	P93	L <b>31</b>	# 12	C/ 154	SC 154.1		P <b>100</b>	L <b>8</b>	# 48
Bruckman, Leon	Huawei			D'Ambrosi	,			I.S. Subsidiary of	Huawei
Comment Type <b>TR</b> In table 153-2 there i	Comment Status <b>D</b> s no instatus for MFAS			Comment DWDN	<i>Type</i> <b>T</b> I Channel is no	Comment St ot defined	atus <b>D</b>		
SuggestedRemedy Add MFAS lock statu	us to table 152-3				efinition - DWDI				le wavelength on a
Proposed Response	Response Status O			defined Proposed I		d between a DWD <i>Response Sta</i>		ismitting to anoth	er DWDM PHY.
C/ 153 SC 153.3.2		L31	# 20	C/ 154	SC 154.1		P100	L8	# 49
Schmitt, Matt	CableLabs Comment Status D			D'Ambrosi	a, John	F	uturewei, U	.S. Subsidiary of	Huawei
Comment Type E In the title and text of am more familiar witl	f this section, should the word	be "disinterleave'	or "deinterleave"? I	Comment T "black	<i>Type</i> <b>T</b> link" is not defin	Comment St	atus D	·	
S <i>uggestedRemedy</i> Change "disinterleav	e" to "deinterleave".			<i>Suggested</i> Levera	<i>Remedy</i> age industry def	finition			
Proposed Response	Response Status <b>O</b>			Proposed I	Response	Response Sta	atus O		
C/ 153 SC 153.4.4	.1 <i>P</i> 98	L <b>20</b>	# 34	C/ 154	SC 154.1		P100	L11	# 54
Trowbridge, Steve	Nokia			D'Ambrosi	a, John	F	uturewei, U	.S. Subsidiary of	Huawei
Comment Type TR	Comment Status D			Comment	Type <b>TR</b>	Comment St	atus D		
	r comments, no reason to use rection than Clause 91	different skew or	skew variation	"When			yer, a PMD	shall be connected	ed to the appropriate
SuggestedRemedy					in Table 154-1				
-	D to 49ns and the skew variat	ion FBD to 400ps	;			SE-ZR PHY is bas . and 100GBASE-		lause 82 PCS, Lo	ause 153 SC FEC /
Proposed Response	Response Status <b>O</b>			THe 10	00GBASE-ZR F	,	be part of	a complete PHY	that can be attached to
				Suggested	Remedy				
				"When	e following text forming a com is shown in Tab	nplete Physical La	yer, a PMD	shall be connecte	ed to the appropriate
				100GB	BASE-ZR PMA	100GBASE-ZR ph as shown in Table ublayer as shown	154-1. Th	e PMD may also	connected to the be connected to the
				Proposed I					

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C/ 154 SC 154.1				-				
	P101	L <b>27</b>	# 35	C/ 154 SC 154	.5.4	P105	L <b>22</b>	# 13
Frowbridge, Steve	Nokia			Bruckman, Leon	H	uawei		
Comment Type E	Comment Status D			Comment Type TI	Comment Stat	tus <b>D</b>		
Unbalanced legend ur	nder Figure 154-1			There is a single	optical lane			
SuggestedRemedy				SuggestedRemedy				
Move PCS to the top	of the right column so both col	umns are the sar	ne length		L_DETECT shall be a			
Proposed Response	Response Status <b>O</b>			signals ."	ith: "SIGNAL_DETECT Ily Table 154-5 by remo			
C/ 154 SC 154.4	P103	L <b>42</b>	# 36	Proposed Response	Response Stat			
Trowbridge, Steve	Nokia			r roposed Kesponse	Response Stat	us U		
Comment Type ER	Comment Status D							
Indianapolis Motion #	5 adopted the channel plan for	48 channels, so	TX index 47 (left and	C/ 154 SC 154	.6	P107	L23	# 56
right columns) doesn'	t need to be magenta			D'Ambrosia, John	Fu	iturewei, U.S	S. Subsidiary of I	Huawei
SuggestedRemedy				Comment Type E	Comment Sta	tus <b>D</b>		
Change Tx index 47 (i black font two rows la	two occurrences) to black font.	. Also Rx index 4	7 (two occurrences) to	The label "DWDN	I network" is not define	d		
				SuggestedRemedy				
	Response Status <b>O</b>			Add definition - D	WDM Network - TBD			
				Add definition - D Proposed Response	WDM Network - TBD Response Stat	us <b>O</b>		
Proposed Response		L 20	# 51			us O		
Proposed Response	Response Status O	L <b>20</b> S. Subsidiary of F				us O		
Proposed Response Cl 154 SC 154.5.1 D'Ambrosia, John	Response Status O P104 Futurewei, U.S Comment Status D					us <b>O</b>		
Proposed Response Cl <b>154</b> SC <b>154.5.1</b> D'Ambrosia, John Comment Type <b>T</b> DWDM link is not defi	Response Status O P104 Futurewei, U.S Comment Status D					us O		
Proposed Response Cl 154 SC 154.5.1 D'Ambrosia, John Comment Type T DWDM link is not defi SuggestedRemedy Add definition - DWDI	Response Status O P104 Futurewei, U.S Comment Status D	S. Subsidiary of I	Huawei			us O		

C/ 154 SC 154.6

7 154 SC 154.6 P10	L31	# 57	C/ 154	SC 154.6	P107	L <b>44</b>	# 22
D'Ambrosia, John Future	vei, U.S. Subsidiary c	of Huawei	Schmitt, M	att	CableLabs		
comment Type E Comment Status	)		Comment 1	Гуре Е	Comment Status D		
The DWDM frequency grid is defined by Tab Recommendation ITU-T G.694.1. <i>uggestedRemedy</i> Reword - These multiple DWDM channels op			makes "chann it easy	a certain amo el number" wit to understand	"Channel Index Number" is ar ount of logical sense, it is common the last two digits of the Cha immediately from the channel prove the value and usability of	non practice in o innel Center Fre number what th	other forums to align the equency, thereby making ne frequency is or vice
according to Recommendation ITU-T G.694.					iprove the value and usability t		
covers a maximum of 48 channels. Operation of a DWDM system 48 is supported. Table 154–6 shows the mapping of the 1000			center	e the first "Cha frequency), an	annel index number" from "0" to nd update all subsequent "Chan I index number" becomes "61"	nnel index numb	th 191.4 THz Channel bers" accordingly, such
optical channel center frequencies. to			Proposed F	Response	Response Status <b>O</b>		
These multiple DWDM channels operate on 6, which shows the mapping of the 100GBAS			C/ 154	SC 154.7	P108	L46	# 58
channel center frequencies. This grid corresponds to the D		·	D'Ambrosia	a. John	Futurewei, U	.S. Subsidiary o	f Huawei
Recommendation ITU-T G.694.1. The 100Gl maximum of 48 channels. Operation of a DWDM system 48 is supported. Proposed Response Response Status	with any number of		operati complia	essary text - A ng range requi ant (e.g., a ASE-ZR PMD	Comment Status D PMD that exceeds the irement while meeting all other operating at 90 km meets the		
			Suggested	Remedy			
:/ 154 SC 154.6 P10	L <b>40</b>	# 21	Delete	noted text			
Schmitt, Matt Cablel	abs		Proposed F	Response	Response Status O		
comment Type E Comment Status	)						
This table has been constructed so that there			C/ 154	SC 154.7.3	P110	L39	# 16
the same table. Because there is nothing to columns, unless you study the table closely,			Maniloff, E		Ciena	200	# <u>10</u>
it's not immediately obvious that the last 3 co	umns are "wrap arou		Comment 1		Comment Status D		
columns (especially since the table already g	es across pages).			51	-10 for power penalty for unan	nplified applicati	000
uggestedRemedy							0115
While it might take up more pages for elevit	a aingle table of 2 an	lumpa might work much	Suggested	Remedy			ons
While it might take up more pages, for clarity better. Alternately, create some separation to clear it's two separate sets of data.			Suggestedi Add po	<i>Remedy</i> ower penalty er	ntry		015

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 154	Page 9 of 10
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 154.7.3	10/18/2019 12:48:11 PM
SORT ORDER: Clause, Subclause, page, line		

C/ 154	SC 154.7.3	P111	L <b>6</b>	# 17
Maniloff, E	Eric	Ciena		
Comment PDL le		Comment Status <b>D</b> plified DWDM application		
Suggested Increa	dRemedy ase PDL to 2.5dB			
Proposed	Response	Response Status <b>O</b>		
C/ <b>154</b>	SC 154.8.12	P113	L <b>4</b>	# 23
Schmitt, M	/latt	CableLabs		
Comment	Туре Т	Comment Status D		

It's good that we point out that there is a linkage/pairing between this parameter and OSNR(193.6) [amplified]. However, we don't explain what that linkage is and how it applies, which could leave a reader confused as to what that means.

### SuggestedRemedy

Add an explanation of how they're linked. This could be an extensive one -- probably in a separate section -- that includes a diagram along the lines of what was presentec to the TF in a previous contribution, or it could even be some simple text added here (or both). Some possible example text of an extension to the existing sentence might be along the lines of: "Note that this parameter is paired with OSNR(193.6) [amplified], in that it defines the average input power at which the OSNR(193.6) [amplified] is measured."

Proposed Response Response Status O

C/ 154	SC 154.8.13	P1	13	L9	# 24
Schmitt, M	/latt	Cable	eLabs		
<i>Comment</i> Same	51	Comment Status ove for 154.8.12.	D		
Suggested Same	-	ove for 154.8.12.			
Proposed	Response	Response Status	0		

C/ 154	SC 154.8.16	P113	L23	# 25
Schmitt, M	latt	CableLabs		

Comment Type т Comment Status D

The definition in G.698.2 that is being referenced here states in part that: "The receiver OSNR tolerance is defined as the minimum value of OSNR at point RS that can be tolerated while maintaining the maximum BER of the application. This must be met for all powers between the maximum and minimum mean input power with a transmitter with worst-case values of ... [list of parameters]. And also that: "The receiver OSNR tolerance is equal to the minimum OSNR at point RS minus the maximum optical path OSNR penalty." We have defined a maximum optical path OSNR penalty of 3 dB, and have therefore established that the value of this parameter is 16.5 dB (in Table 154-9). This is based off of subtracting 3 from the Minimum OSNR(193.6) [amplified] value of 19.5 dB. However, that last parameter is only relevant to the amplified case: we also have a Minimum average input power [unamplified] which is -30, and an associated Minimum OSNR(193.6) [unamplified] of 35 dB (meaning that achieving a minimum average input power of -30 dBm is only possible when the OSNR is 35 dB or greater). However, a strict reading of the definition for Receiver OSNR tolerance implies that -30 dBm would also have to be met at 16.5 dB OSNR, which is not realistic or intended.

### SuggestedRemedy

There are several possible options for addressing this. One would be to create separate Receiver OSNR tolerance parameters for the amplified and unamplified cases. Another would be to clarify that this parameter applies only in the amplified case. Another would be to introduce a more thorough explanation of the relationship between power and OSNR in the requirements (as suggested above). A combination of more than one of these solutions would likely work as well.

Proposed Response		Response Status O		
C/ 154	SC 154.9.2	P114	L7	# 37
Trowbridg	e, Steve	Nokia		
Comment	Туре Т	Comment Status D		
	are combined ov	d of interface for 802.3 when er the same fiber inside of		
Suggested	dRemedy			
		ph that this text applies to t multi-channel reference poi		

amplifier) is outside of the scope of this standard.

Proposed Response Response Status 0

TYPE: TR/technical required ER/editorial required GR/genera	al 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	

Cl	154	
SC	154.9.2	