IEEE P802.3cu D2.1 100 Gb/s per wavelength on SMF 1st Working Group recirculation ballot comments

C/ 151	SC 151.11.1	P <b>78</b>	L <b>3</b>	# 2	C/ 140	SC 140.7.5b	P <b>46</b>	L10	# 13										
Shariff, Masood CommScope		Sorbara, Massimo GlobalFoundries																	
Comment Type   ER   Comment Status   D   bucket     Consistency with clause title and Table 151-14   SuggestedRemedy   From: fiber optic cable To: optical fiber cable     Proposed Response   Response Status   W     PROPOSED ACCEPT   PROPOSED ACCEPT					Comment Type   T   Comment Status   D   bucket     The first sentence of the Transmitter over/under-shoot states the following: "The transmitter over/under-shoot percentage of each lane shall be within the limits given in Table 140–6 if measured using a test pattern specified for transmitter over/under-shoot in Table 140–10." I believe that the use of the specified test pattern is mandatory for measuring the over/undershoot, not optional.     SuggestedRemedy														
										C/ 140 Anslow, P	SC 140.11.4.4	Р <b>55</b> Self	L <b>22</b>	# 6	Per th over/u perce	e understanding under-shoot, we p ntage of each lan	that use of the test pattern ropose to change 'if' to 'w' e shall be within the limits	specified in Table hile': "The transmit given in Table 140 under-shoot in Tab	• 140-6 for transmitter ter over/under-shoot 0–6 ifwhile measured ble 140–10 "
										Comment Type E Comment Status D bucket   OM5a, OM5b, OM5c, and OM8a are all missing "N/A []" in the Support column					Proposed Response Response Status <b>W</b> PROPOSED REJECT.				
Add "I	N/A []" in the Supp	oort column to OM5a, OM5b,	OM5c, and Ol	M8a	The word "if" is used in all other PMD clauses. The reason for using "if" is to emphasize that none of these parameters are required to be measured, but if they are then the correct														
Proposed Response Response Status W				test pattern and method is to be used.															
PROF	OSED ACCEPT.				C/ 140	SC 140.7.5c	P <b>46</b>	L <b>38</b>	# 14										
C/ 140	SC 140.11.4.6	P <b>56</b>	L <b>9</b>	# 7	Sorbara, N	Massimo	GlobalFou	ndries											
Anslow, P	ete	Self			Comment	Туре Т	Comment Status D		bucket										
Comment Type   E   Comment Status   D   bucket     Item OC2 in the base standard has "Meets requirements specified in Table 140–12" so   "Table 140–12" should be there in strikethrough font     SuggestedRemedy					The first sentence of the Transmitter peak-to-peak power states the following: "The transmitter peak-to-peak power of each lane shall be within the limits given in Table 140–6 if measured using a test pattern specified for transmitter peak-to-peak power in Table 140–10." I believe that the use of the specified test pattern is mandatory for measuring the over/undershoot, not optional.														
					SuggestedRemedy														
Proposed PROF	Response POSED ACCEPT.	Response Status W			Per the understanding that use of the test pattern specified in Table 140-6 for transmitter over/under-shoot, we propose to change 'if' to 'while': "The transmitter peak-to-peak power of each lane shall be within the limits given in Table 140–6 ifwhile measured using a test pattern specified for transmitter peak-to-peak power in Table 140–10."														
					Proposed PROF	Response POSED REJECT.	Response Status W												
				The word "if" is used in all other PMD clauses. The reason for using "if" is to emphasize that none of these parameters are required to be measured, but if they are then the correct test pattern and method is to be used.															

Comment ID 14

IEEE P802.3cu D2.1 100 Gb/s per wavelength on SMF 1st Working Group recirculation ballot comments

C/ 151	SC 151.8.8	P <b>71</b>	L <b>51</b>	# 16	C/ 151	SC 151.8.10	P <b>72</b>	L <b>44</b>	# 18
Sorbara, Massimo GlobalFoundries			Sorbara, Massimo GlobalFoundries						
Comment	Туре Т	Comment Status D		bucket	Commen	t Type <b>T</b>	Comment Status D		bucket
The first sentence of the Transmitter transition time states the following: "The transmitter transition time of each lane shall be within the limits given in Table 151–7 for 400GBASE-FR4 and 400GBASE-LR4-6, if measured using a test pattern specified for transmitter transition time in Table 151–11." I believe that the use of the specified test pattern is mandatory for measuring the over/undershoot, not optional.				The f trans meas using that t not o	first sentence of th mitter peak-to-pea sured g a test pattern spe the use of the spec ptional.	e Transmitter peak-to-peak p ak power of each lane shall be ecified for transmitter peak-to- cified test pattern is mandator	oower states the e within the limit -peak power in <sup>-</sup> ry for measuring	following: "The s given in Table 151-7 if Table 151-11." I believe the over/undershoot,	
Suggested	dRemedy				Suggeste	edRemedy			
Chang	Change 'if' to 'while'					Per the understanding that use of the test pattern specified in Table 140-6 for transmitter			
Proposed PROP	Response POSED REJECT.	Response Status W			over/under-shoot, we propose to change 'if' to 'while': "The transmitter peak-to-peak power of each lane shall be within the limits given in Table 151-7 ifwhile measured using a test pattern specified for transmitter peak-to-peak power in Table 151-11."				er peak-to-peak power easured using a test 1."
The word "if" is used in all other PMD clauses. The reason for using "if" is to emphasize that none of these parameters are required to be measured, but if they are then the correct test pattern and method is to be used					Proposed PRO	d Response POSED REJECT.	Response Status W		
				The v	The word "iff" is used in all other PMD clauses. The reason for using "iff" is to emphasize that none of these parameters are required to be measured, but if they are then the correct				
Sorbara, N	Aassimo	GlobalFoundrie	es	# [17	test pattern and method is to be used.				ley are then the contest
Comment	Туре Т	Comment Status D		bucket	C/ 151	SC 151.8.13.	2 P74	L 38	# 19
The fir over/u measu believ over/u	The first sentence of the Transmitter over/under-shoot states the following: "The transmitter over/under-shoot percentage of each lane shall be within the limits given in Table 151-7 if measured using a test pattern specified for transmitter over/under-shoot in Table 151-11." I believe that the use of the specified test pattern is mandatory for measuring the over/undershoot, not optional.					like <i>t Type</i> <b>T</b> not the optical retu	Marvell <i>Comment Status</i> <b>D</b> rn loss		bucket

## SuggestedRemedy

Per the understanding that use of the test pattern specified in Table 140-6 for transmitter over/under-shoot, we propose to change 'if' to 'while': "The transmitter over/under-shoot percentage of each lane shall be within the limits given in Table 151-7 ifwhile measured using a test pattern specified for transmitter over/under-shoot in Table 151-11."

Proposed Response Response Status W

PROPOSED REJECT.

The word "if" is used in all other PMD clauses. The reason for using "if" is to emphasize that none of these parameters are required to be measured, but if they are then the correct test pattern and method is to be used.

Dudek, Mike		Marvell	
Comment Ty	pe T	Comment Status D	bucket
It is not t	he optical retu	ırn loss	

SuggestedRemedy

Change "optical return loss" to "optical return loss tolerance"

Proposed Response Response Status W PROPOSED ACCEPT.

Comment ID 19

## IEEE P802.3cu D2.1 100 Gb/s per wavelength on SMF 1st Working Group recirculation ballot comments

C/ 140	SC 140.7.9	P <b>47</b>	L17	# 21
Dudek, Mike		Marvell		
Comment Tvp	e E	Comment Status D		bucket

To match the paragraph above (for DR) and improve clarity it would be better to change the order of the sentence.

## SuggestedRemedy

Replace "The receiver sensitivity (OMAouter) shall be within the limits given in Table 140–7 for 100GBASE-FR1 and 100GBASE-LR1, if measured using a test pattern for receiver sensitivity in Table 140–10." with "The receiver sensitivity (OMAouter) for 100GBASE-FR1 and 100GBASE-LR1, shall be within the limits given in Table 140–7 if measured using a test pattern for receiver sensitivity in Table 140–10. Also change "Receiver sensitivity for 100GBASE-DR is informative" to "The receiver sensitivity (OMAouter) for 100GBASE-DR is informative"

Proposed Response Response Status W

PROPOSED ACCEPT.