C/ FM SC FM	P 11	L 54	# 11	C/ 30	SC 30.5.1.1.2	P 7	L 14	# 8
Dawe, Piers	Nvidia			Dawe, Pie	ers	Nvidia		
Comment Type E	Comment Status X		Bucket	Comment	Type E	Comment Status X		Bucket
There are more amend	dments, ahead of this one but	not yet publishe	d	If orde	ered by length			
SuggestedRemedy				Suggested	dRemedy			
Add IEEE Std 802.3cp	o-202x and possibly more					SR before100GBASE-SR4	, VR2 before SR	2 before 200GBASE-
Proposed Response	Response Status 0			,		pefore 400GBASE-SR16?		
				Proposed	Response	Response Status 0		
C/ 00 SC 0	Р	L	# 6					
Anslow, Pete	Independent			C/ 30	SC 30.5.1.1.2	P 7	L 25	# 9
Comment Type ER	Comment Status X		Bucket	Dawe, Pie	ers	Nvidia		
All external cross-refer as per the 802.3 Fram	rences should be "Forest green eMaker template.	n" by using the "	'External" character tag	Comment 200GE	,,	Comment Status X ASE-VR, 400GBASE-SR, 4	00GBASE-VR	Bucket
SuggestedRemedy				Suggested	dRemedy			
	s-references "Forest green" by	applying the "E	xternal" character tag	200GE	BASE-SR2, 200G	BASE-VR2, 400GBASE-SR	4, 400GBASE-V	R4
as per the 802.3 Fram				Proposed	Response	Response Status O		
Proposed Response	Response Status O							
				C/ 45	SC 45.2.1.6	P 9	L 21	# [10
C/ 00 SC 0	Р	L	# 5	Dawe, Pie	ers	Nvidia		
Anslow, Pete	Independent			Comment	Type E	Comment Status X		Bucket
Comment Type ER	Comment Status X			Should	dn't you show the	modified reserved rows?		
	802.3 PHY naming when there he single lane variant ?R1. Ex			Suggested	dRemedy			
SuggestedRemedy	J =	, 9 .	,,,	per co	mment			
,	R to 100GBASE-SR1 through	out the draft		Proposed	Response	Response Status O		

Proposed Response

Response Status 0

CI 45	SC 45.2.1.6	P 21	L 21	# 1		C/ 45	SC 4	5.2.1.20	P	22	L38	# 2	
Anslow, Pete Independent				Anslow, Pete Independent									
The draft shows: 1 1 0 1 0 0 0 = 400GBASE-SR4 PMA/PMD 1 1 0 0 1 1 1 = 400GBASE-VR4 PMA/PMD 1 1 0 0 1 1 0 = 200GBASE-VR4 PMA/PMD 1 1 0 0 1 0 1 = 200GBASE-VR2 PMA/PMD 1 1 0 0 1 0 0 = 100GBASE-VR2 PMA/PMD 1 1 0 0 1 0 0 = 100GBASE-SR PMA/PMD 1 1 0 0 0 1 1 = 100GBASE-VR PMA/PMD but four of these choices are already allocated to other PMD types: 1 0 1 0 0 0 is 10GBASE-BR20-D in P802.3cp 1 1 0 0 1 1 1 is 10GBASE-BR10-D in P802.3cp 1 1 0 0 1 0 1 is not currently allocated 1 1 0 0 1 0 0 is 400GBASE-ZR in P802.3cw			Comment Type TR Comment Status X The draft shows: 1.23.8 200GBASE-SR2 ability 1.23.7 200GBASE-VR2 ability But these bits are already allocated in P802.3ck to: 1.23.8 200GBASE-CR2 ability 1.23.7 200GBASE-KR2 ability SuggestedRemedy Change the allocation to: 1.23.10 200GBASE-SR2 ability 1.23.9 200GBASE-VR2 ability Proposed Response Response Status O										
It seer		BASE-ER8 in IEEE Std 802.36 solution would be to put all six		ether above the blo	ock	C/ 45	SC 4	5.2.1.21	P	23	L 23	# 3	
Suggested	lRemedy					Anslow, P	ete		Inde	pendent			
Change the allocation to: 1 1 1 1 1 1 0 = 400GBASE-SR4 PMA/PMD 1 1 1 1 1 0 1 = 400GBASE-VR4 PMA/PMD 1 1 1 1 1 0 0 = 200GBASE-VR4 PMA/PMD 1 1 1 1 0 1 1 = 200GBASE-VR2 PMA/PMD 1 1 1 1 0 1 0 = 100GBASE-VR2 PMA/PMD 1 1 1 1 0 0 1 = 100GBASE-VR PMA/PMD Proposed Response Response Status O				1.24.1 But th 1.24.1 Suggested To ma	Comment Type TR Comment Status X The draft shows: 1.24.11 400GBASE-VR4 ability But this bit is already allocated in P802.3cw to: 1.24.11 400GBASE-ZR ability SuggestedRemedy To maintain the usual increasing reach with bit number, change the allocation						Bucket		
. / 0,00004		Nesponse dialus C				1.24.13 400GBASE-SR4 ability 1.24.12 400GBASE-VR4 ability							
						Proposed	Respons	se	Response Status	0			

Cl 45 SC 49	.2.1.21a P24	L 9	# 4	C/ 80	SC 80.1.4	P 15	L18	# 14
Anslow, Pete	Independ	ent		Dawe, Pie	ers	Nvidia		
The draft shows			Bucket	Comment Please	<i>Type</i> E e show the chang	Comment Status X es in context		Bucket
1.26.11 100GB However a gar	is the allocations was previousl	v made for 100GBA	SF-SR ability as 1 26 2	Suggested	dRemedy			
SuggestedRemedy	·	y made for 1000B/	IOL Of Cability as 1.20.2	Please Table		ng row before and after eac	h new one, as 80	2.3ck does. Also for
Change the allo 1.26.2 100GBA				Proposed	Response	Response Status 0		
Proposed Respons	Response Status 0							
				C/ 91	SC 91.7.4.1	P 21	L 12	# 15
Cl 78 SC 78	.1.4 P13	L12	# 12	Dawe, Pie	ers	Nvidia		
Dawe, Piers	Nvidia	- 12		Comment Incons	Type E	Comment Status X		Bucket
Comment Type after 400GBAS	Comment Status X E-SR4.2		Bucket	Suggested	dRemedy			
SuggestedRemedy after 400GBAS	-SR16, or possibly after 400GE	ASE-SR8		Proposed	Response	Response Status O		
Proposed Respons	Response Status O							
	,			C/ 116	SC 116.1.3	P 23	L 41	# 16
CI 78 SC 78	.1.4 P13	L13	# 13	Dawe, Pie	ers	Nvidia		
Dawe, Piers	Nvidia			Comment	Type E	Comment Status X		Bucket
•	Comment Status X		Bucket	after 4	00GBASE-SR4.2	2		
This is too hard				Suggested	dRemedy			
SuggestedRemedy				Before	e, going by reach			
,	east one existing row before an	d after each new or	ne, as 802.3cd did	Proposed	Response	Response Status O		
Proposed Respons	Response Status 0							

C/ 116	SC 116.1.4	P 25	L 29	# [17	C/ 167	SC 167.1.1	P 31	£ 50	# 20
Dawe, Pie	ers	Nvidia			Dawe, Pie	rs	Nvidia		
	,,	Comment Status X Id come before 400GBASE-S	R4.2, and I thinl	Bucket k it goes after	`	Clause 134 or Cl	Comment Status X ause 91) and PCS (Clause 1	33 or Clause 82)	Bucket).
Suggested	dRemedy	4 and 4000DACE CD4.0 had		_	Suggested FEC (•	PCS (Clause 82).		
•	Response	and 400GBASE-SR4.2, both Response Status O	i row and colum	n	Proposed	Response	Response Status O		
C/ 167	SC 167.1	P 30		# 18	Cl 167	SC 167.2	P 32	L 20	# 21
Dawe, Pie	ers	Nvidia			Dawe, Pie		Nvidia		5.4.
Comment	Type E	Comment Status X		Not applicable" optrice	Comment 116.3	Type T	Comment Status X		Bucket
Suggested	dRemedy	ented better by leaving out the	•		Suggested 80.3?	lRemedy			
		e/annex no., description for 2 s. Similarly for tables 163-2		for 400G, and	Proposed	Response	Response Status 0		
Proposed	Response	Response Status O							
					C/ 167	SC 167.7.1	P 39	L 32	# 23
C/ 167	SC 167.1	P 31	L 7	# 19	Dawe, Pie	rs	Nvidia		
Dawe, Pie	ers	Nvidia			Comment	Type T	Comment Status X		
Comment		Comment Status X		Bucket			ively slower than for other opt nalties while encouraging goo	,	O .
. ,					Suggested	lRemedy			
Suggested Remo	ve					Consider if TDE	10.log10(Ceq') and TECQ-10. CQ max (and SECQ) should		
Proposed	Response	Response Status O			Proposed	· ·	Response Status O		

C/ 167 SC 167.7.1 P39 L32 # 22 Dawe, Piers Nvidia Comment Type Ε Comment Status X Bucket This has TECQ before TDECQ while 802.3cu has the reverse. SuggestedRemedy Consider which is preferable. Plan to adjust 802.3cu in maintenance, or modify this table. Proposed Response Response Status O C/ 167 SC 167.7.3 P41 L24 Bruckman, Leon Huawei Comment Type E Comment Status X Unnecessary text "cabled optical" in Note b. I believe this text has been removed also in the similar clause in 802.3cu SuggestedRemedy Remove "cabled optical" Proposed Response Response Status O C/ 167 SC 167.8.1 P41 L51 # 24 Dawe. Piers Nvidia Comment Type T Comment Status X Bucket Scrambled idle 119.2.4.9 SuggestedRemedy Scrambled idle or scrambled Remote Fault 82.2.11 or 82.2, 119.2.4 or 119.2.4.9 Proposed Response Response Status O

CI 167 SC 167.8.5 P43 L25 # 30

Le Cheminant, Greg Keysight Technologies

Comment Type T Comment Status X

The reference receiver bandwidth for TDECQ analysis is typically at half baud to emulate DSP based receivers with anti-aliasing filters. For multimode transmitter test, the observation bandwidth is reduced further to emulate the dispersion that is created by the fiber span. An alternative approach should be considered. The transmitter waveform is acquired in the half-baud bandwidth. For TECQ, this waveform can be directly analyzed. For TDECQ, the waveform is additionally passed through a second processing block that emulates the fiber. This could be as simple as a low-pass Bessel-Thomson filter, but could be something that better emulates the physical impact of the fiber span, to be determined by the group. This method has the advantage of being able to provide several transmitter metrics, for both SR and VSR requirements, with a single oscilloscope acquisition, reducing overall test time and cost, and likely better emulating the true channel respnse

SuggestedRemedy

Change the text of lines 24-34 of page 43 (55 in the overall document) to read: The combination of the O/E converter and the oscilloscope used to measure the optical waveform has a 3 dB bandwidth of approximately 26.5 GHz with a fourth-order Bessel-Thomson response to at least 1.5 \times 26.5 GHz. At frequencies above 1.5 \times 26.5 GHz, the response should not exceed 24 dB. Compensation may be made for any deviation from an ideal fourth-order Bessel-Thomson response. Prior to TDECQ analysis the waveform is passed through a function that emulates the response of the maximum allowed fiber span. This function is described as TBD

Proposed Response Status O

Cl 167 SC 167.8.5.1 P43 L51 # 25

Dawe, Piers Nvidia

Comment Type T Comment Status X

We have 9 taps rather than the usual 5 because the channel is relatively slower than for other optical PMDs. So the last few taps should be correcting the tail of the response and should be quite small.

SuggestedRemedy

Impose limits on the absolute values of tap coefficients 7, 8 and 9. Also for the last taps for TECQ, depending how long that reference equalizer is.

Proposed Response Status O

C/ 167 SC 167.8.7 P44 L42 # 26 C/ 167 SC 167.10.3.3 P**52** L24 Xie, Chongjin Dawe, Piers Nvidia Alibaba Comment Type Т Comment Status X Comment Type TR Comment Status X 1E-2 allows too much of the waveform beyond the limit and does a poor job of controlling Figure 167-8 only includes diagrams for flat 12 fiber MPO connectors. overshoot SuggestedRemedy SuggestedRemedy Add diagrams that illustrate APC 12 fiber MPO connectors Change to 3E-3 TBC for now, and let people try that in the lab Proposed Response Response Status O Proposed Response Response Status O C/ 167 SC 167.11.3 P**54 L6** C/ 167 SC 167.8.10 P45 L18 # 27 Dawe, Piers Nvidia Dawe, Piers Nvidia Comment Type E Comment Status X Comment Type E Comment Status X Bucket PICS needs work This sentence (and one in 167.8.13) is too long and hard to understand. It should be SuggestedRemedy divided in two. as in 167.8.5 and 167.8.6. Revise PICS SuggestedRemedy Proposed Response Response Status O Change "response to at least 1.3 x 53.125 GHz and at frequencies above 1.3 x 53.125 GHz the response should not exceed -24 dB." to "response to at least 1.3 x 53.125 GHz. At frequencies above 1.3 x 53.125 GHz the response should not exceed -24 dB." Similarly in 167.8.13. Proposed Response Response Status O P49 C/ 167 SC 167.10.1 1 25 # 28 Dawe, Piers Nvidia Comment Type E Comment Status X Bucket and400GBASE-SR4. SuggestedRemedy insert a space

Response Status O

Proposed Response

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Bucket