IEEE P802.3df D2.0 Initial Working Group ballot comments

C/ 124	SC 12	4.5.4	P1	106	L 10	# 84	C/ 124	SC	124.7.1	P 108	L 23	# 85
Dawe, Pie	ers		Nvid	ia			Dawe, Pie	ers		Nvidia		
Comment	Туре 1	ſR	Comment Status	R		launch power	Comment	Туре	TR	Comment Status R		launch power
DR8, 1 compli more c Suggested In the increas the me	100GBASI iance for a complicate <i>Remedy</i> longer ten sed from - eantime: a	E-FR1, 4 a virtually ed and a m, the av 3.1 to -2 add a rec	100GBASE-DR4-2, vunusable 0.2 dB o dd procedural cost verage launch pow .9 dBm to bring it i ommendation that	, 800GBA on an uni rer (min) f in line wit the SIGN	ASE-DR8-2. Non important spec w for 100GBASE-F h 100GBASE-DF NAL_DETECT pc	R1 should be R/400GBASE-DR4. In power criterion for	400GI power dB, wi made that. There power	BASE-I 0.2 dB nich is multi-c is a mi	DR4/100G blower is r very high, compliant f inor benef should be	400GBASE-DR4-2 and 80 BASE-DR and 800GBASE not helpful. Any transmitter will exceed the 400GBASE for convenience in interoper it in improving the clearance every wide to accomodate at hysteresis.	-DR8, so setting t with an extinctior E-DR4 limit anywa ability and breako e between Rx mir	he average launch n ratio lower than 9.8 ay. Modules will be put - let us document n power and Tx off max
						is: >= average receive	Suggestee	dReme	dy			
power, each lane (min) in Table 124-7) should be -7.1 dBm. In practice, module implementers will set it lower than this anyway. See other comments for Tx and Rx specs, and for interoperability text.						Chang	Change Average launch power, each lane (min) from -3.1 to -2.9 dBm Change Average receive power, each lane (min) from -7.1 to -6.9 dBm.					
Response			Response Status	U			See a	nother	commen f	or interoperability text.		
REJEC	CT.						Response			Response Status U		
							REJE	CT.				
	The fact that modules meet several compatible specifications simultaneously is a choice of the implementer, not a requirement from the standard. The suggested remedy refers to a modification of 100GBASE-FR1 which is outside the scope of this project.						There is a historical background why the minimum average power does not seem consistent across PMD types. This is related to the assumption of an extinction ratio of 10					
							dB for (and 8	dB for the calculation of minimum average power from minimum OMA for 400GBASE-DR4 (and 800GBASE-DR8), while for the 400GBASE-DR4-2 and 800GBASE-DR8-2 the extinction ratio is assumed to be infinity.				
	ermore inso vement of		justification is prov	ided why	the proposed re	medy is an			nteroperat nd 124.11a	ion issue. The requirements a.2.	s for interoperatio	n are provided in
	0.		on was reviewed by /3/df/public/23_052	•		o 1				tion was reviewed by the co g/3/df/public/23_0523/dawe		

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C/ 124	SC 124.11a.1	P 122	L 21	# 86
Dawe, Pie	ers	Nvidia		
Comment	Type TR	Comment Status R		average powe
power	is greater than o	ception "provided that the equal to the value for avera at adds procedural cost for r	age launch powei	(min) for 400GBASE-
Suggested	dRemedy			
400GE averaç 400GE	BASE-DR4 (see a	um 400GBASE-DR4-2 trans nother comment), delete "a er than or equal to the value le 124-6."	nd the 400GBAS	E-DR4-2 transmitter
Response	•	Response Status U		
REJE	CT.			
See re	esponse to comm	ent #85.		
0:				
Since	comment #85 wa	s rejected this comment is r	no longer relevan	t.
The fo	ollowing presentat	s rejected this comment is r ion was reviewed by the cor y/3/df/public/23_0523/dawe_	nment resolution	group:
The fo	ollowing presentat	on was reviewed by the cor	nment resolution	group:
The fo https:/	bllowing presentat //www.ieee802.org SC 169.5	ion was reviewed by the cor g/3/df/public/23_0523/dawe_	nment resolution _3df_01_230523.	group: pdf
The fo https:/	bllowing presentat //www.ieee802.org SC 169.5 ers	on was reviewed by the cor y/3/df/public/23_0523/dawe_ P180	nment resolution _3df_01_230523.	group: pdf
The fc https:/ C/ 169 Dawe, Pie Comment As dis slow b Also th future	bllowing presentat //www.ieee802.org SC 169.5 ers Type TR scussed, the Skew by modern standa hey were heavily s	ion was reviewed by the cor y/3/df/public/23_0523/dawe_ P 180 Nvidia <i>Comment Status</i> A y and Skew Variation limits w rds, and CWDM over 40 km sandbagged. It is important Ethernet is not locked into	nment resolution _3df_01_230523. <i>L</i> 9 were based on a which is not goir to sort this out fo	group: pdf # 96 <i>skew (CC,</i> digital clock rate that is ig to happen for 800G. or 800G so that the
The fc https:/ C/ 169 Dawe, Pie Comment As dis slow b Also th future	billowing presentat //www.ieee802.org SC 169.5 ers Type TR scussed, the Skew by modern standa hey were heavily s 200G/lane-based oesn't apply in this	ion was reviewed by the cor y/3/df/public/23_0523/dawe_ P 180 Nvidia <i>Comment Status</i> A y and Skew Variation limits w rds, and CWDM over 40 km sandbagged. It is important Ethernet is not locked into	nment resolution _3df_01_230523. <i>L</i> 9 were based on a which is not goir to sort this out fo	group: pdf # 96 <i>skew (CC,</i> digital clock rate that is ig to happen for 800G. or 800G so that the
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The for https:/ C/ 169 Dawe, Pie Comment As dis slow b Also th future that do Suggested Contir	billowing presentat //www.ieee802.org SC 169.5 ers Type TR scussed, the Skew by modern standa hey were heavily s 200G/lane-basec coesn't apply in this dRemedy nue the investigati of the padding.	ion was reviewed by the cor g/3/df/public/23_0523/dawe_ P 180 Nvidia Comment Status A and Skew Variation limits w rds, and CWDM over 40 km sandbagged. It is important Ethernet is not locked into a case.	nment resolution _3df_01_230523. <i>L</i> 9 were based on a which is not goir to sort this out fo decisions made I	group: pdf # <u>96</u> digital clock rate that is ng to happen for 800G. or 800G so that the ong ago for technology
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The fo https:/ Cl 169 Dawe, Pie Comment As dis slow b Also th future that do Suggested Contir some Response ACCE	billowing presentat //www.ieee802.org SC 169.5 ers Type TR scussed, the Skew by modern standa hey were heavily s 200G/lane-basec coesn't apply in this dRemedy nue the investigati of the padding.	ion was reviewed by the cor y/3/df/public/23_0523/dawe_ P 180 Nvidia Comment Status A v and Skew Variation limits w rds, and CWDM over 40 km sandbagged. It is important Ethernet is not locked into s case. on, revise the numbers acco Response Status U	nment resolution _3df_01_230523. <i>L</i> 9 were based on a which is not goir to sort this out fo decisions made I	group: pdf # <u>96</u> skew (CC digital clock rate that is ng to happen for 800G. or 800G so that the ong ago for technology

C/ 169 SC 169.5