IEEE P802.3cd 50 Gb/s, 100 Gb/s, 200 Gb/s Ethernet 5th Sponsor recirculation ballot comments

C/ 000 SC 0 Turner, Michelle	P 0	L 0 # r05-1	C/ 138 SC 138.8.5 Dawe, Piers J G	P 273 Mellanox Teo	L 47 chnologies	# r05-2	
Comment Type G	Comment Status A		Comment Type TR	Comment Status R			
This draft meets all ea SuggestedRemedy	ditorial requirements.		As noted in previous comments, the combination of all penalties for the MMF PMDs, which is much higher than for SMF, is too high. See http://ieee802.org/3/cm/public/adhoc/dawe_3cm_adhoc_01_092718.pdf Also the relation between measured TDECQ and penalties in service should be improved.				
esponse	Response Status C		SuggestedRemedy				
ACCEPT.			Insert: Equation (138-1) is used in place of Equation (121-11). R=sqrt(sigmaG 2 + sigmaS 2 - M 2) (138-1) where M = 0.0075Pave [Note to reader: Pave is already defined in 121.8.5.3] In 138.8.10 Stressed receiver sensitivity, e.g. at page 275 line 46, insert: the values of M in Equation (138-1) is set to zero, and				
			Response	Response Status U			
			REJECT.				
			This comment is a resta been recirculated.	tement of previous commer	nts (r04-11 and r0-	4-12) that have already	
			http://www.ieee802.org/	ons were presented to and 3/cd/public/Oct18/king_3cd_ 3/cd/public/Oct18/dawe_3cd	_01_1018.pdf	ask force:	
			There was no support of remedy to the draft.	ther than from the comment	er for adopting the	e newly proposed	
			reviewed. Previous analysis has sl	w.ieee802.org/3/cd/public/S hown that the penalty for mo dence has been provided to link budget.	odal noise is signif	ficantly less than 0.1 dB	
				3/aq/public/nov04/pepeljugo o make a change.	oski_1_1104.pdf		
			REJECT. This comment is similar 100GBASE-SR4 does n therefore the penalty for	ent r04-12 (to which r04-11 i to R03-27. not include receiver equaliza each cannot be easily com MF with measured TDECC	tion, whereas the pared.		
YPE: TR/technical requi	red ER/editorial required GR/	eneral required T/technical E/editorial G/	neneral	C/ 1	38	Page 1 of 2	

TTLE. Trytechnical required Enveditional required Onvgene	0/ 130	i aye i ui z	
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 138.8.5	10/9/2018 11:28:25 AM
SORT ORDER: Clause, Subclause, page, line			

http://www.ieee802.org/3/cd/public/May18/king_3cd_03_0518.pdf, http://www.ieee802.org/3/cd/public/May18/dawe_3cd_01b_0518.pdf (slide 9), and in http://www.ieee802.org/3/cd/public/July18/king_3cd_02a_0718.pdf (slide 12) which supports the P802.3cd draft 3.4 TDECQ limit of 4.5 dB, taking account of product variability with larger sample sizes.

http://www.ieee802.org/3/cd/public/July18/king_3cd_02a_0718.pdf also shows receiver sensitivity vs estimated SECQ for values up to 4 dB with no indication of problems.

The current TDECQ limit was arrived at as a compromise between transmitter and receiver capabilities.

The URLs for the presentations cited by the commenter and not called out above are:

http://www.ieee802.org/3/cd/public/Jan18/king_3cd_02_0118.pdf

http://www.ieee802.org/3/cd/public/adhoc/archive/chang_011018_3cd_01_adhoc-v2.pdf

http://www.ieee802.org/3/cd/public/May18/dawe_3cd_01b_0518.pdf

Presentation <http://www.ieee802.org/3/cd/public/Sept18/dawe_3cd_01b_0918.pdf> was reviewed.

There was no support to make a change.

C/ 138 SC 138.8.5