dh D2 0 100 Ch/a, 200 Ch/a, and 100 Ch/a Shart Baagh Fihar Taak Faraa Initial S

FM SC FM	P 3	L 3	# <u>I-22</u>	C/ FM	SC FM	P 4	L 9	# <u>I-23</u>	
row, Robert RMG Consulting			Grow, Ro	bert	RMG Consul	Iting			
Comment Type TR Comment Status A			Comment	Comment Type ER Comment Status A					
The reach numbers are correach? Further, the numb	onfusing. What makes the ers do not agree with Ta	he difference betv able 167-6.	veen 50 m and 100 m	check	ed the 2021 V	ndatory text in this draft is not o Vord front matter template and ces on page 4 in the legal lang	and P802.3/D3.2	2 finding they agree.) I	
uggestedRemedy						that precedes the Participant I		a stanuaru. Thote th	
Delete "up to 50 m and".			SuggestedRemedy						
Response Response Status U ACCEPT IN PRINCIPLE.			Update to text found in current IEEE SA template (https://standards.ieee.org/develop/drafting-standard/resources/).						
Change "This amendment to IEEE Std 802.3-202x adds Physical Layer specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Ethernet optical interfaces for reaches up to 50 m and up to 100 m based on 100 Gb/s per wavelength optical			Response ACCE		Response Status U				
signaling."	a up to 100 m based on	100 Gb/s per way	elengin optical	C/ 167	SC 167.7.1	1 P 52	L 29	# I-36	
to				Dawe, Pie	ers J G	NVIDIA			
to "This amendment to IEEE Std 802.3-202x adds Physical Layer specifications and Management Parameters for 100 Gb/s, 200 Gb/s, and 400 Gb/s Ethernet optical interfaces based on 100 Gb/s per wavelength optical signaling over multimode fiber." Prior examples: 802.3cd "Clause 131 through Clause 140 and Annex 135A through Annex 136D are added to IEEE Std 802.3-2018 by this amendment to specify IEEE 802.3 Media Access Control (MAC) parameters, Physical Layer specifications, and management parameters for the transfer of IEEE 802.3 format frames at 50 Gb/s, 100 Gb/s, and 200 Gb/s." 802.3cu			Comment	Type TR	Comment Status R				
			 transmitter can be in the top left corner of the TDECQ map while still meeting the TDECQ and overshoot specs. With the extra taps and threshold adjust range in this clause's TDECQ it would be well equalised, so there won't be so much padding, conservatism and need for measurement margin vs. TDECQ and TECQ as in earlier clauses, so signals ne the nominal spec limits are a concern. This bad signal has high K' and high but legal overshoot, a bad combination for receivers Yet the point of a separate VR spec was to allow slower transmitters than are needed for SR, so VR transmitters should not be in this corner. 						
"This amendment to IEEE Std 802.3-2018 adds Physical Layer specifications and management parameters for 100 Gb/s and 400 Gb/s Ethernet optical interfaces for reaches up to 10 km based on 100 Gb/s per wavelength optical signaling." 802.3cm				The K after e exclue	This is worse at TP2 than after a minimum-bandwidth optical channel at TP3. The K' limit is similar to VEC in C2M and EVM in coherent: a screen for signals that are ba after equalisation. As it is a free by-product of the TECQ measurement, we can add it to exclude these untypical signals that don't benefit transmitter makers but are bad for receivers.				
"This amendment to IEEE Std 802.3-2018 adds Clause 150. This amendment adds Physical Layer (PHY) specifications and management parameters for 400 Gb/s operation			Suggeste	dRemedy					
	R4.2) and eight pairs (400GBASE-SR8) of multimode fiber,			For VR, insert a row for K'=TECQ-10.log10(Ceq'), limit 4.4 dB, same as the TECQ limit. I and Ceq' are the two parts of TECQ as K and Ceq are the two parts of TDECQ.					
				Response)	Response Status U			
				REJE	CT.				
					wed the preser //www.ieee802	ntation .org/3/db/public/May22/dawe_3	3db_01_051922.p	odf.	

The proposal for adding a specification for K'(max) did not have any support.

TYPE: TR/technical required ER/editorial required GR/general	C/ 167	Page 1 of 1	
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn	SC 167.7.1	5/27/2022 2:41:28 PM
SORT ORDER: Clause, Subclause, page, line			