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re, Piers J G Mellanox Technologies	
nment Type TR Comment Status X	
As pointed out in D3.0 comment 65 and D3.1 comment 12, a 100GBASE-FR1 or 100GBASE-LR1 transmitter is allowed to transmit a bad signal that a 100GBASE receiver is not required to receive. This breaks interoperability. The over/under-shoot limit catches the worst of these bad signals but others pass fail the K limit for 100GBASE-DR. These signals are bad even after the equalizer, and a 100GBASE-FR1 or 100GB transmitter would be better than the worst allowed for 100GBASE-DR. The response to D3.0 comment 65 did not provide an explanation for the rejection comment or for revision of the change proposed by the commenter. It did not ad failure of interoperability; it only said that in previous ballot and review processes, were decisions to remove the K limit. See WG comments 20068 and 20062. Bu comments and responses do not address interoperability between a 100GBASE-100GBASE-LR1 transmitter and a 100GBASE-DR receiver. The response to D3. comment still does not fix.	-DR s that but ASE-LR1 n of the dress the , there t these FR1 or
gestedRemedy	
Either:	
As interoperability with 100GBASE-DR applies over much less than the full distar 100GBASE-FR1 or 100GBASE-LR1, and as it is expected that reasonable transmitters that pass the over/undershoot I have no problem meeting the spec proposed below, and as there is no extra measurement needed: In Table 140-6, for 100GBASE-FR1 and 100GBASE-LR1, insert a limit of 3.4 dB TECQ - 10log10(Ceq) (max). Add note: In this case, Ceq is derived from the TECQ analysis, not the TDECQ analysis (se 140.7.5a and 121.8.5.3).	limit will for
or Do as discussed in the previous meeting:	
Change 140.10a.1 to: The 100GBASE-FR1 and 100GBASE-DR PMDs can interoperate with each other that:	r provided
the fiber optic cabling (channel) characteristics for 100GBASE-DR (see 140.10 at 140-12) are met;	nd Table
the 100GBASE-FR1 transmitter average power is greater than or equal to the val average launch power average launch power (min) for 100GBASE-DR in Table 1- for the 100GBASE-FR1 transmitter, TECQ - 10log10(Ceq) is less than or equal to where Ceq is derived from the TECQ analysis, not the TDECQ analysis (see 140 121.8.5.3). and	40-6; and o 3.4 dB,
Make equivalent changes in 140.10a.2 for 100GBASE-LR1.	
posed Response Response Status <b>O</b>	

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