

Comments for PMD baseline proposal

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Points of the comments

1. Addition of 15 m channel specification would provide network design flexibility for passenger vehicles, which has different design guidelines than commercial vehicles.
2. Addition of 850 nm and 1310 nm operating wavelength would provide OEM's and tier 1's wider optional mix among cost, design flexibility, and reliability.

Table 300 - 7

PMD	Required operating range	
	Short channel (passenger vehicle)	Long channel (commercial vehicle)
2.5GBASE-AU 5GBASE-AU 10GBASE-AU 25GBASE-AU	0.3 – 15 m	0.5 – 40m

Table 300 - 10

Parameter	2.5G	5G	10G	25G	Unit
Effective modal bandwidth	200 (Short)/950 (Long)				MHz•km
Power budget	11.80		8.90		dB
Operating distance	15 (short)/40 (long)				m
Channel insertion loss ^a	TBD (@15m)/6.28 (@40m)				dB
Allocation for penalties ^b	TBD		TBD		dB
Additional insertion loss allowed	TBD		TBD		dB

Table 300 - 14

Description	2.5G	5G	10G	25G	Units
Nominal wavelength	850/980/1300				nm
Operating distance	15(short)/40(long)				m
Channel insertion loss	TBD@850*15 TBD@980*15 TBD@1310*15 TBD@850*40 6.28@980*40 TBD@1310*40				dB