



# Baseline Clause Selection

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## Basic idea: Don't reinvent the wheel

- ▶ The existing standard contains most of what we need
- ▶ We should make every attempt to reuse what is there



## Clauses to be reused for our baseline

Speed	10km	20km	40km
10 Gb/s	46: RS and XGMII, 49: PCS 10GBase-R, 51: PMA,		
	52: 10GBase-LR	?	52: 10GBase-ER
25 Gb/s	106: RS and 25GMII, 107: PCS 25GBase-R, 108: FEC, 109: PMA		
	114: 25GBase-LR	?	114: 25GBase-ER
50 Gb/s	132: RS and 50GMII, 133: PCS 50GBase-R, 134: FEC, 135: PMA		
	139: 50GBase-LR	?	3cn: 50GBase-ER



## Draft construction proposal

- ▶ Additions to Clause 4, 30, 45, and scattered reference additions
- ▶ Presumably we'd have an introduction clause
- ▶ The layers above the PMD already exist, and don't need any direct customization
  - ▶ Perhaps reference these existing clauses in the intro
- ▶ There is the silent start feature, which might be implemented in the PCS
  - ▶ Perhaps make this its own clause (something like clause 66 - unidirectional operation)
- ▶ 10G clause: 10GBASE-BLR, -BMR, -BER
- ▶ 25G clause: 25GBASE-BLR, -BMR, -BER
- ▶ 50G clause: 50GBASE-BLR, -BMR, -BER

Decoder: B=Bidi, L=Long wave, E=Extra-long Wave, M=Middle, R=64B66B