

FO-4.2.1 Update Scalability

**Working Group on Modal
Dependance of Multimode Fiber
Bandwidth**

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Scalability to different lengths

- Currently defining fiber and source specifications for different lengths in a 10 GbE system. First steps 150 m and ≥ 500 m.
 - Same source specification as 300 m work for 10 GbE
 - Changing fiber distribution / specification
 - Work based on modeling (as 300 m work)

Scalability to different speeds

- Defining different data rate systems solutions.
 - We plan to put specifications for fibers and sources into standards.
 - Aimed at 1.25, 2.125, 2.488, 3.125 and 4.25 Gb/s data rates.
 - Length scaling: at least 300 m and 600 m solutions.
- More input from transceiver manufacturers is needed!