

P802.3cc 25GSMF: Objectives

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25 Gb/s SMF Objectives (Foundational)

- Support a MAC data rate of 25 Gb/s
- Support full-duplex operation only
- Preserve the Ethernet frame format utilizing the Ethernet MAC
- Preserve minimum and maximum Frame Size of current IEEE 802.3 standard
- Support a BER of better than or equal to 10^{-12} at the MAC/PLS service interface (or the frame loss ratio equivalent)
- Support optional Energy-Efficient Ethernet operation

25 Gb/s SMF Objectives (continued)

- Provide physical layer specification which support 25 Gb/s operation over at least 10 km on SMF.
- Provide physical layer specification which support 25 Gb/s operation over at least 40 km on SMF.
- Provide appropriate support for OTN