



10Gb/s on FDDI-grade MMF Cable

Strawman Objectives – Discussion

Objectives (Strawman)

- Preserve the 802.3/Ethernet frame format at the MAC Client service interface
- Preserve min. and max. frame size of current 802.3 Std.
- Support full duplex operation only
- Support star-wired local area networks using point-to-point links and structured cabling topologies
- Support a speed of 10.000 Gb/s at the MAC/PLS service interface
- Support fiber media selected from ISO/IEC 11801:2002

Objectives (Strawman)

- Support a BER of better than 10^{-12}
- To not support 802.3ah (EFM) OAM unidirectional operation
- To support 802.3ah (EFM) extended temperature range options
- Provide a single Physical Layer specification which supports a link distance of:
 - At least 300m over at least 95% of installed, FDDI-grade MMF
 - At least 300m over at least 95% of new MMF (OM3)
- Support existing 10GBASE-R PCS and PMA