

Proposed objectives for Next-Gen BASE-T

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Proposed Objectives

- Support full duplex operation only
- Preserve the 802.3 / Ethernet frame format utilizing the 802.3 MAC
- Preserve minimum and maximum Frame Size of current 802.3 standard
- Support a BER better than or equal to 10^{-12} at the MAC/PLS service interface
- Support Auto-Negotiation (Clause 28)
- Support local area networks using point-to-point links and structured cabling topologies
- Meet FCC Class A EMC requirements
- Support an optional Energy Efficient Ethernet mode