



Currently Approved Objectives (P802.3bm)

- ✧ Support full-duplex operation only
- ✧ Preserve the IEEE 802.3 / Ethernet frame format utilizing the IEEE 802.3 MAC
- ✧ Preserve minimum and maximum FrameSize of current IEEE 802.3 standard
- ✧ Support a BER better than or equal to 10^{-12} at the MAC/PLS service interface
- ✧ Provide appropriate support for OTN
- ✧ Define re-timed 4-lane 100G PMA to PMA electrical interfaces for chip to chip and chip to module applications
- ✧ Define a 40 Gb/s PHY for operation over at least 40 km of SMF
- ✧ Define a 100 Gb/s PHY for operation up to at least 500 m of SMF
- ✧ Define a 100 Gb/s PHY for operation up to at least 100 m of MMF
- ✧ Define a 100 Gb/s PHY for operation up to at least 20 m of MMF
- ❑ Specify optional Energy Efficient Ethernet (EEE) for 40 Gb/s and 100 Gb/s operation over fiber optic cables.

✧ (approved by 802.3 July 2011)

❑ (approved by 802.3 November 2012)