

Adopted Objectives

- Support a MAC data rate of 400 Gb/s *
- Support a BER of better than or equal to 10^{-13} at the MAC/PLS service interface (or the frame loss ratio equivalent) ***
- Support full-duplex operation only *
- Preserve the Ethernet frame format utilizing the Ethernet MAC *
- Preserve minimum and maximum FrameSize of current Ethernet standard *
- Provide appropriate support for OTN *
- Specify optional Energy Efficient Ethernet (EEE) capability for 400 Gb/s PHYs *
- Support optional 400 Gb/s Attachment Unit Interfaces for chip-to-chip and chip-to-module applications **
- Provide physical layer specifications which support link distances of:
 - At least 100 m over MMF ***
 - At least 500 m over SMF ***
 - At least 2 km over SMF ***
 - At least 10 km over SMF ***

* Adopted by SG July 2013. Not approved by IEEE 802.3 WG

** Adopted by SG Sept 2013. Not approved by IEEE 802.3 WG

*** **Adopted by SG Nov 2013. Not approved by IEEE 802.3WG**