Adopted Objectives

- 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

**50 Gb/s Ethernet**
- Support a MAC data rate of 50 Gb/s
- Support a BER of better than or equal to $10^{-12}$ at the MAC/PLS service interface (or the frame loss ratio equivalent) for 50 Gb/s
- Provide a physical layer specification which supports 50 Gb/s operation over at least 40 km of SMF

**200 Gb/s Ethernet**
- Support a MAC data rate of 200 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) for 200 Gb/s
- Provide a physical layer specification supporting 200 Gb/s operation over four wavelengths capable of at least 40 km of SMF

**400 Gb/s Ethernet**
- 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) for 400 Gb/s
- Provide a physical layer specification supporting 400 Gb/s operation over eight wavelengths capable of at least 40 km of SMF

- Adopted by IEEE P802.3cn TF Nov 2018.
- Approved by IEEE 802.3 WG Nov 2018.