IEEE 802.3 NGOATH SG
Adopted Changes to 802.3bs Project Objectives

- **Support a MAC data rate of 200 Gb/s**
- 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
- **Provide physical layer specifications which support 200 Gb/s operation over:**
  - **At least 2 km of SMF**
  - **At least 10 km of SMF**
- Provide physical layer specifications which support **400 Gb/s operation over:** ~~link distances of:~~
  - At least 100 m **of** ~~over~~ MMF
  - At least 500 m **of** ~~over~~ SMF
  - At least 2 km **of** ~~over~~ SMF
  - At least 10 km **of** ~~over~~ SMF
- 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