200GMMF SG Approved Objectives (1 of 3)

- **Non-Rate Specific**
  - Support full-duplex operation only
  - Preserve the Ethernet frame format utilizing the Ethernet MAC
  - Preserve minimum and maximum FrameSize of current IEEE 802.3 standard
  - Support a BER of better than or equal to 10 -13 at the MAC/PLS service interface (or the frame loss ratio equivalent)

200GMMF SG Approved Objectives (2 of 3)

- **200 Gb/s Related**
  - Support a MAC data rate of 200 Gb/s
  - Define a physical layer specification that supports 200 Gb/s operation:
    - over 1 pair of MMF with lengths up to at least 30 m
    - over 1 pair of MMF with lengths up to at least 50 m

- **400 Gb/s Related**
  - Support a MAC data rate of 400 Gb/s
  - Define a physical layer specification that supports 400 Gb/s operation:
    - over 2 pairs of MMF with lengths up to at least 30 m
    - over 2 pairs of MMF with lengths up to at least 50 m

200GMMF SG Approved Objectives (3 of 3)

- **800 Gb/s Related**
  - Support a MAC data rate of 800 Gb/s
  - Define a physical layer specification that supports 800 Gb/s operation:
    - over 4 pairs of MMF with lengths up to at least 30 m
    - over 4 pairs of MMF with lengths up to at least 50 m

- **1.6 Tb/s Related**
  - Support a MAC data rate of 1.6 Tb/s
  - Define a physical layer specification that supports 1.6 Tb/s operation:
    - over 8 pairs of MMF with lengths up to at least 30 m
    - over 8 pairs of MMF with lengths up to at least 50 m