Approved IEEE P802.3dt Objectives

Support full-duplex operation only

Preserve the IEEE 802.3/Ethernet frame format (see IEEE Std 802.3 subclause 3.1.1) at the MAC client service interface

Preserve the minimum and maximum Frame Size of the current IEEE 802.3 standard

Define optional per-packet and packet-independent metadata services and associated modifications to the physical layers using the:

- 50GBASE-R PCS defined in Clause 133
- 100GBASE-R PCS defined in Clause 82, which use FECs defined in Clauses 91 and 161
- 200GBASE-R PCS defined in Clause 119
- 400GBASE-R PCS defined in Clause 119
- 800GBASE-R PCS defined in Clause 172
- 1.6TBASE-R PCS defined in Clause 175