IEEE 802.3 Ethernet

IEEE 802 Technical plenary
Monday 11 July 2022

This is a response to a request the IEEE 802.3 Chair received from the IEEE 802.1 Chair that reads “I would like to ask each WG chair (or delegate) to present a few slides to indicate their standard’s architecture, where it is defined, and what they understand their relationship is to IEEE Std 802 Overview and Architecture.”
IEEE Std 802-2014
IEEE 802 Reference Model for end stations

Figure 3—IEEE 802 RM for end stations
IEEE Std 802-2014
Basic Reference Model for IEEE 802.3 stations

Figure B.1—Basic RM for IEEE 802.3 stations

MSAP: IEEE Std 802.3-2022 Clause 2 Media Access Control (MAC) service specification
PSAP: IEEE Std 802.3-2022 Clause 6 Physical Signalling (PLS) service specification
Optional MSAPs:
MCSAP: IEEE Std 802.3-2022 Clause 31 MAC Control
OSAP: IEEE Std 802.3-2022 Clause 57 Operations, Administration, and Maintenance (OAM)
Optional PSAPs:

Energy efficient Ethernet PSAP: IEEE Std 802.3-2022 Clause 78 Energy-Efficient Ethernet (EEE)

Time sync PSAP: IEEE Std 802.3-2022 Clause 90 Ethernet support for time synchronization protocols
IEEE Std 802-2014 Reference Model for IEEE 802.3 for point-to-multipoint optical line terminal (OLT)

MCSAP: IEEE Std 802.3-2022 Clause 64 Multipoint MAC Control
IEEE Std 802.3-2022 Clause 77 Multipoint MAC Control for 10G–EPON
IEEE Std 802.3-2022 Clause 144 Multipoint MAC Control for Nx25G-EPON