

Convergence via TSN profiles and base standards

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IEEE 802.1**



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IEEE 802.1 Activity

- On-going profile work is advancing the concept of a common TSN
 - IEC/IEEE 60802
 - Centralized Management using NETCONF over TLS (Potentially applicable to Aerospace and ProAV)
 - Foundational to “Plug and Produce”
 - Time synchronization across many network hops (Potentially applicable to the ProAV market)
 - 60802 has spawned other significant work
 - YANG for CBS
 - Hot-Standby for Time Sync
 - P802.1DG – TSN Profile for Automotive In-Vehicle Ethernet Communications
 - P802.1DP – TSN for Aerospace Onboard Ethernet Communications
- Completed YANG work
 - IEEE 802.1Qcp - Bridges and Bridged Networks Amendment: YANG Data Model
 - IEEE 802.1CBcv –FRER YANG Data Model
 - IEEE 802.1ABcu - LLDP YANG Data Model
- On-going YANG work provides a full-feature data model for remote management
 - P802f – YANG Data Model for EtherTypes
 - P802.1Qcw – YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing
 - P802.1ASdn – YANG Data Model for gPTP
 - P802.1Qdx – YANG Data Model for CBS
- Face-to-Face Meeting continue to provide a forum for exploring the commonalities in various verticals.