Other considerations for IEC/IEEE 60802, Edition 2

IEEE 802.1 Interim Meeting May 2025

Jordon Woods, Self-affiliated



Introduction

- Several topics for IEC/IEEE 60802, edition 2 have already been raised.
 - Improved security
 - European Cyber Resilience Act (CRA)
 - ISA/IEC 62443 (https://www.ieee802.org/1/files/public/docs2025/60802-Proell-BrainstormingED2-Cybersecurity-0525-v01.pdf)
 - Wireless communication/Management.
 - Multiple Configuration Domains
 - P802.1DU: Cut-Through Forwarding

Other Topics

- However, some topics that have been discussed in the past have not been captured.
- Note: this contributor is not advocating "for" or "against" including these topics. They are offered in the spirit of brainstorming.
 - Securing Time
 - Relaxed normative requirements for the Global Time domain
 - P802.1DD: Resource Allocation Protocol
 - Full PSFP functionality
 - FRER for bridges
 - MAC/PHY recommended delays for IACS
 - DHCP/IP assignment
 - Additional development of the management proxy concept

Thank you