

YANGsters Introduction and Status

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802.1 September 2021 Interim

v2

Introduction

- IEEE 802 YANG Editors' coordination
 - This group is responsible for discussing common practice for YANG models supporting IEEE 802 protocols.
- <https://1.ieee802.org/yangsters/>
- Agendas
 - <https://1.ieee802.org/category/yangsters-agenda/>
- FAQ
 - <https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/>
- YANG files
 - <https://github.com/YangModels/yang/tree/master/standard/ieee>
 - <https://1.ieee802.org/yang-modules/>

YANG Projects

- 802.1 TSN TG
 - [P802f – YANG Data Model for EtherTypes](#)
 - Working Group Ballot
 - [P802.1Qcw – YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing](#)
 - Working Group Ballot
 - Blocked by QRev
 - [P802.1Qcz – Congestion Isolation](#)
 - SA Ballot
 - Blocked by ABcu
 - [P802.1Qdj – Configuration Enhancements for TSN](#)
 - [P802.1ABcu – LLDP YANG Data Model](#)
 - SA Ballot (2nd Recirc)
 - [P802.1ASdn – YANG Data Model](#)
 - [P802.1CBcv – FRER YANG Data Model and Management Information Base Module](#)
 - SA Ballot
 - [P802.1CBdb – FRER Extended Stream Identification Functions](#)
 - SA Ballot
 - IEEE Std 802.1 Qcp-2018
 - IEEE Std 802.1 Qcx-2020

YANG Projects

- 802.1 Security TG
 - [P802.1AEdk: Media Access Control \(MAC\) Security—Amendment 4: MAC Privacy protection](#)
 - Task Group Ballot
 - IEEE Std 802.1Xck-2018 (Merged into IEEE Std 802.1X-2020)
- 802.3
 - IEEE Std 802.3.2-2019 – IEEE Standard for Ethernet – YANG Data Model Definitions
- 1588
 - P1588e – Standard for a Precision Clock Synchronization Protocol for Networked Measurements and Control Systems Amendment: MIB and YANG Data Models
 - Working Group Ballot
- Maintenance
 - [802.1Q-Rev](#) – Revision of 802.1Q-2018 (roll-up of amendments and several minor bug fixes).
 - SA Ballot

Use Cases

- ATS
 - ieee802-types.yang
 - ieee802-dot1q-types.yang
 - ieee802-dot1q-bridge.yang
 - ieee802-dot1q-stream-filters-gates.yang
 - ieee802-dot1q-ats.yang
- CFM
 - ieee802-types.yang
 - ieee802-dot1q-types.yang
 - ieee802-dot1q-cfm-types.yang
 - ieee802-dot1q-bridge.yang
 - ieee802-dot1q-cfm.yang
 - ieee802-dot1q-cfm-bridge.yang
 - ieee802-dot1q-cfm-alarm.yang
- C-VLAN-BRIDGE
 - ieee802-types.yang
 - ieee802-dot1q-types.yang
 - ieee802-dot1q-bridge.yang
- P-BRIDGE
 - ieee802-types.yang
 - ieee802-dot1q-types.yang
 - ieee802-dot1q-bridge.yang
 - ieee802-dot1q-pb.yang
- Qcw-Qrev
 - ieee802-types.yang
 - ieee802-dot1q-types.yang
 - ieee802-dot1q-bridge.yang
 - ieee802-dot1q-tpmr.yang
 - ieee802-dot1q-pb.yang
 - ieee802-dot1q-cfm-types.yang
 - ieee802-dot1q-cfm.yang
 - ieee802-dot1q-cfm-bridge.yang
 - ieee802-dot1q-cfm-alarm.yang
 - ieee802-dot1q-stream-filters-gates.yang
 - ieee802-dot1q-ats.yang
 - ieee802-dot1q-preemption.yang
 - ieee802-dot1q-bridge-preemption.yang
 - ieee802-dot1q-sched.yang
 - ieee802-dot1q-bridge-sched.yang
 - ieee802-dot1q-psfp.yang
 - ieee802-dot1q-bridge-psfp.yang
- Stream
 - ieee802-types.yang
 - ieee802-dot1q-types.yang
 - ieee802-dot1q-bridge.yang
 - ieee802-dot1q-stream-filters-gates.yang
- Qrev
 - ieee802-types.yang
 - ieee802-dot1q-types.yang
 - ieee802-dot1q-bridge.yang
 - ieee802-dot1q-tpmr.yang
 - ieee802-dot1q-pb.yang
 - ieee802-dot1q-cfm-types.yang
 - ieee802-dot1q-cfm.yang
 - ieee802-dot1q-cfm-bridge.yang
 - ieee802-dot1q-cfm-alarm.yang
 - ieee802-dot1q-stream-filters-gates.yang
 - ieee802-dot1q-ats.yang
- TPMR
 - ieee802-types.yang
 - ieee802-dot1q-types.yang
 - ieee802-dot1q-bridge.yang
 - ieee802-dot1q-tpmr.yang

IETF or IANA Modules Used

- iana-if-type.yang
- ietf-inet-types.yang
- ietf-interfaces.yang
- ietf-yang-types.yang

Updates since July 2021 Plenary

- Minutes

- [Minutes of the YANGsters meeting held 2021-07-27 10:01 – 11:06 ET](#)
- [Minutes of the YANGsters meeting held 2021-08-03 10:00 – 11:02 ET](#)
- [Minutes of the YANGsters meeting held 2021-08-10 10:00 – 10:45 ET](#)
- [Minutes of the YANGsters meeting held 2021-08-17 10:00 – 11:15 ET \(revised\)](#)
- [Minutes of the YANGsters meeting held 2021-08-24 10:01 – 11:01 ET \(revised\)](#)
- [Minutes of the YANGsters meeting held 2021-08-31 10:00 – 11:15 ET](#)
- [Minutes of the YANGsters meeting held 2021-09-07 10:00 – 10:58 ET](#)
- [Minutes of the YANGsters meeting held 2021-09-14 10:01 – 11:00 ET](#)

- Main Topics

- Continued discussion and way forward for Maintenance items
- Discussion of 60802 YANG opportunities and needs
- YANG Lifecycle Update
- UML-Like Diagrams