

YANGsters

12 September 2023

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September 2023 Interim Session in Niskayuna, NY, USA (Hybrid)

Introduction

- Meeting Agenda: <https://1.ieee802.org/september-2023-interim-session-yangsters-agenda/>
- YANGsters: <https://1.ieee802.org/yangsters/>
- YANGsters FAQ: <https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/>

YANG Status

- Current status as of 11 September 2023

ShortName	Name	github status	Ballot	Draft Ver	YANG Status	Notes
802.1AEdk	MAC Privacy protection	current	SA->Pub	D2.2	checked	waiting for pub
802.1AS-2020 rev	Timing and Synchronization	not created	Editor	None	No YANG	
802.1ASdm	Hot Standby	needs uploaded	WG	D1.2	checked	
802.1ASdn	Timing and Synchronization for Time-Sensitive Applications — Amendment: YANG Data Model	current	WG	D1.1	checked	
802.1ASds	Support for the IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex	not created	Editor	None	No YANG	
802.1AXdz	YANG for LAG	not created	Editor	None	No YANG	
802.1CS-2020/Cor1	Link-local Registration Protocol (LRP)	current	WG	D1.3	checked	
802.1DC	Quality of Service Provision by Network Systems	needs uploaded	WG	D2.3	checked	
802.1DF	TSN Profile for Service Provider Networks	not created	TG	D0.1	No YANG	
802.1DG	TSN Profile for Automotive In-Vehicle Ethernet Communications	not created	TG	D2.1	No YANG	
802.1DP	TSN for Aerospace Onboard Ethernet Communications	not created	Editor	D1.0	No YANG	
802.1DU	Cut-thorough forwarding	not created	Editor	D0.0	No YANG	
802.1Q-2022rev	Q-rev	not created	Editor	None	No YANG	
802.1Qcj	LLDP extension tlv for auto attach	current	SA	D2.5	checked	
802.1Qcw	Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing	current	SA	D2.2	checked	
802.1Qcz	Amendment: Congestion Isolation	current	SA->Pub	Staff	checked	waiting for pub
802.1Qdd	Resource Allocation Protocol	not created	TG	D0.7	No YANG	
802.1Qdj	Amendment: Configuration Enhancements for Time-Sensitive Networking	needs uploaded	WG	D1.2	checked	
802.1Qdt	Priority-based Flow Control Enhancements	not created	TG	D0.2	No YANG	
802.1Qdv	Enhancements to Cyclic Queuing and Forwarding	not created	Editor	D0.3	No YANG	
802.1Qdw	Source Flow Control	not created	Editor	None	No YANG	
802.1Qdx	YANG for CBS	not created	Editor	None	No YANG	
802.1Qdy	YANG for MSTP	not created	Editor	None	No YANG	
802f	YANG Data Model for Ethertypes	current	SA	D2.4	checked	
IEEE1588e	Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: MIB and YANG Data Models	needs uploaded	SA	D1.2	checked	
IEC/IEEE 60802	Industrial Automation	not created	WG	D2.0	No YANG	

YANG Status

- 60802 YANG is available in the draft, working on creating the module files for validation.
- Validation (pyang and yanglint) is completed before uploading to GitHub (YANG Catalog GitHub repository):
<https://github.com/YangModels/yang>
- Published modules (AEdk and Qcz are the next two) also need to be uploaded here: <https://1.ieee802.org/yang-modules/>

YANG for Link Aggregation

- Discussion occurred on PAR/CSD
- On the TSN agenda Friday morning (15 September)
- PAR: <https://www.ieee802.org/1/files/public/docs2023/dz-haddock-draft-PAR-0923-v01.pdf>
- CSD: <https://www.ieee802.org/1/files/public/docs2023/dz-haddock-draft-CSD-0923-v01.pdf>

802.3 YANG Discussions

- IEEE P802.3.2 (IEEE 802.3.2a) Revision to IEEE Std 802.3.2-2019 YANG Data Model Definitions Task Force
- Mailing List: <https://listserv.ieee.org/cgi-bin/wa?A0=STDS-802-3-MAINT>
- LLDP TLVs
- MAC Merge
- <https://www.ieee802.org/3/minutes/sep23/index.html>

REVC Information

- REVC Agenda: [https://1.ieee802.org/2023-09-interim-maintenance-agenda/#Wednesday Sep 13 meeting 800-1000 ET](https://1.ieee802.org/2023-09-interim-maintenance-agenda/#Wednesday_Sep_13_meeting_800-1000_ET)
- OID and URN clauses will need to be considered in YANGsters when work is done.
- Ensure <https://standards.ieee.org/wp-content/uploads/import/documents/tutorials/ieeeeurn.pdf> is updated appropriately

ETSI Plugtest for Microwave

- <https://www.etsi.org/events/2086-mwt-plugtests-4>
- There was a “plugtest” that included published IEEE 802.1 YANG modules
- The results of the “plugtest” found some issues with the modules
- The yang is being discussed here: <https://github.com/samans/draft-ybam-rfc8561bis/issues/19>
- Some of this might be answered by the new bridge modules (from the Qcw work), but the suggestion is for YANGsters to review and consider the comments

Any Other Business?

- Future YANGsters meetings:
 - 26 September
 - 10 October
 - 24 October
 - 7 November
- Topics?
- Thanks!