

YANGsters Status

2023-07 Honolulu Plenary

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YANGsters Chair

2023-11-16

v1

YANGsters Agenda (November 2023 Plenary)

- <https://1.ieee802.org/november-2023-plenary-session-honolulu-hi-usa-yangsters/>
- Introduction to YANGsters
 - <https://1.ieee802.org/yangsters/>
 - <https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/>
- Status
 - YANG Status Presentation
 - <https://www.ieee802.org/1/files/public/docs2023/yangsters-smansfield-honolulu-status-1123-v01.pdf>
 - Blog Post on YANG
 - Request has been submitted (Jodi)
- Recap of YANGsters meetings since New York Interim Meeting
 - BBF Liaison Discussion
 - <https://www.ieee802.org/1/files/public/docs2023/yangsters-boyd-scalable-yang-1123-v01.pdf>
 - Our original response
 - <https://www.ieee802.org/1/files/public/docs2023/liaison-BBF-ONUManagementYANG-0723-v02.pdf>
- Constrained YANG Discussion/Update
 - <https://www.ieee802.org/1/files/public/docs2023/yangsters-smansfield-sid-yang-1123-v01.pdf>
- IEEE 802.3 YANG Update
 - D0.5 completed with 5 comments, D1.0 being discussed at plenary on Thursday, November 16, 14:00 – 17:00 (HST)
 - Files here -> <https://www.ieee802.org/3/2/a/comments/index.html>
 - Status -> https://www.ieee802.org/3/minutes/nov23/802d3_task_force_802.3.1_802.3.2_opening.pdf
- Request for Next Calls
 - Next call on 5 December, then every two weeks (skipping holidays) until Denver Plenary
 - 5 Dec, 19 Dec, 16 Jan 2024, Heidelberg Interim is week of 22 Jan, so YANGsters meeting will most likely be on 23 Jan
 - Resuming after interim: 30 Jan, 13 Feb, 27 Feb, and 12 March (during Denver Plenary - if usual schedule is kept)
- Any Other Business
 - Use of floating point in YANG

YANGsters Summary

<https://1.ieee802.org/yangsters/>

<https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/>

- YANGsters
 - <https://1.ieee802.org/yangsters/>
 - <https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/>
- Since September Interim 2023
 - [Stream split table in IEEE 802.1CBcv-2021 FRER YANG \(#364\)](#)
 - <https://www.ieee802.org/1/files/public/docs2023/cb-dorr-split-table-maint-0364-0923-v01.pdf>
 - <https://www.ieee802.org/1/files/public/docs2023/new-specht-tpes-0623-v02.pdf>
 - Further discussion needed on this maintenance item
 - Bridge Modeling Issues
 - Related to how bridge-ports and interfaces are used, considerations on how to make augmentations easier to do specifically if "when" statement in base model is too restrictive.
 - See <https://github.com/samans/draft-ybam-rfc8561bis/issues/19>
 - Further discussion in IETF
 - The publication of Qcw will address the issue related to the broken component modeling
 - when statements and XPath updates were needed
 - YANG Scalability Issue
 - <https://www.ieee802.org/1/files/public/docs2023/yangsters-boyd-scalable-yang-1123-v01.pdf>
 - Continue to consider how to support a restructure of IEEE YANG modules to support a scalable solution.
 - Constrained Environments
 - <https://www.ieee802.org/1/files/public/docs2023/yangsters-smansfield-sid-yang-1123-v01.pdf>
- To Do
 - Continue the scalability discussion
 - Involve the IETF YANG Doctors and NETMOD/NETCONF Working groups
 - Continue Constrained Environments discussion
 - Determine if RAC is needed
 - Get IETF YANG Doctor support/opinion
 - Discuss how to better support the Standards publication process for YANG and MIBs (see YANG Validation slide below)

Requested Meetings

- Electronic meetings requested between the November Plenary and March Plenary
 - All electronic meetings are 10-11 ET on alternate Tuesdays
 - 5 Dec
 - 19 Dec
 - (no meeting 2 Jan 2024)
 - 16 Jan
 - 30 Jan
 - 13 Feb
 - 27 Feb
- January Interim meeting TBD
 - 23 Jan (@ Interim -- so timing may be different)
- March Plenary meeting TBD
 - 12 Mar (@ Denver Plenary -- so timing may be different)
- Call Details
 - <https://1.ieee802.org/yangsters/yangsters-call-information/>

YANG "sanity"

- Published YANG is up to date
- Draft YANG should be reviewed to determine what YANG needs to be updated in repository
- Contact YANGsters if help is needed to validate or interact with the repository

ShortName	Name	github status	Ballot	Draft Ver	YANG Status	Notes
802.1AEdk	MAC Privacy protection	move to pub	Pub			clean-up github
802.1AS-2020 rev	Timing and Synchronization	not created	Editor	None	No YANG	
802.1ASdm	Hot Standby	needs uploaded	WG	D1.3	checked	
802.1ASdn	Timing and Synchronization for Time-Sensitive Applications — Amendment: YANG Data Model	current	WG	D1.2	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)	needs uploaded	WG	D2.0	checked	
802.1DC	Quality of Service Provision by Network Systems	needs uploaded	WG	D3.0	checked	2.2 -> 3.0 no yang change
802.1DG	TSN Profile for Automotive In-Vehicle Ethernet Communications	not created	TG	D2.2	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	D0.2	No YANG	
802.1Q-2022rev	Q-rev	not created	Editor	None	No YANG	current Qdj-d1.2
802.1Qcj	LLDP extension tlv for auto attach	current	Pub	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	move to pub	Pub			clean-up github
802.1Qdd	Resource Allocation Protocol	not created	TG	D0.7	No YANG	
802.1Qdj	Amendment: Configuration Enhancements for Time-Sensitive Networking	needs uploaded	WG	D1.3	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	needs uploaded	WG	D1.0	checked	
802.1Qdy	YANG for MSTP	not created	Editor	D0.1	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	current	SA	D1.3	checked	
IEC/IEEE 60802	Industrial Automation	not created	WG	D2.1	No YANG	

YANG Validation

- Items To Do
 - Validate yang in each draft as it enters a ballot
 - Comment on YANG if it doesn't validate
 - Store validated YANG in the draft directory of the repository
- When a project completes (is published)
 - During the staff editing
 - Support with validating YANG as editorial changes are made
 - When document is published
 - Extract YANG from published standard and update the published directory
 - Delete the YANG from drafts