

IEEE SA Open-Source Committee (OSCom)

Tier 3 - Open-Source Project Request

Title:

IEEE Std. 802.3 YANG Modules

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TIER 3 PROJECT TITLE AND RELATED STANDARDS

Open-Source Project Title:

IEEE Std. 802.3 YANG Modules

Governance1:

We agree that we will have a governance document for review by the community manager within 30 days and that we will make any modifications necessary to conform to all applicable policies and procedures.

Governance by the IEEE 802.3 Working Group and will follow all applicable IEEE governance requirements including having an Open-Source Lead and Maintainer per SASB and OSCom Operations Manuals.

License2:

BSD 3-Clause License

Purpose:

Use the IEEE Open-Source process to enable development and publication of YANG models for

- 1: Direct lift from 802.3 COM OS project documents
 - 2: Same as 802.3 COM OS project
- IEEE Std 802.3 contemporaneously with publication of IEEE Std 802.3 amendments and revisions. Encourage and simplify participation from members of the broader industry that do not participate in the IEEE 802.3 Working Group.

PROJECT DESCRIPTION

What Open-Source will be developed:

This project will create, maintain and publish YANG models based on the abstract definitions in “Clause 30 Management” of IEEE Std 802.3. The project will start from the YANG models specified in IEEE Std 802.3.2-2025.

Why this is valuable:

Both IEEE 802.3.1 (SNMP MIBs) and IEEE 802.3.2 (YANG models) have suffered from being significantly behind (greater than 12 months) IEEE Std 802.3 amendments. Having these models available much later than the amendments, and often the products implementing them, significantly reduces the value of having a standardized management model.

Using the IEEE OS process will allow us to create, maintain and publish the YANG models in parallel with the development of IEEE Std 802.3 amendments.

RELATION TO EXISTING IEEE STANDARDS

Relationship to IEEE Standard(s), if any:

The YANG modules in this project are defined based on the abstract definitions in “Clause 30 Management” of IEEE Std 802.3.

RELATION TO EXISTING Open-Source

Relation to known Open-Source:

None.

SUMMARY

Summary of the project and your questions for OSCom:

Use the IEEE Open-Source process to create, maintain and publish YANG models for IEEE Std 802.3 contemporaneously with IEEE Std 802.3 amendments. Encourage and simplify participation from members of the broader industry that do not participate in the IEEE 802.3 Working Group.

This project will “seed” it’s repository with the models from 802.3.2-2025. There are no LOAs filed on IEEE Std 802.3.2. The OS Project Lead/POC will obtain CLAs from all significant contributors to 802.3.2 before they are added to the repository.

Review of the formal project request:

TBD

THANK YOU

<https://saopen.ieee.org>