

IEEE OSCom 802.3 YANG Models Project FAQ and Guidelines

Author: Peter Jones, Cisco Systems

1 Outline

The IEEE 802.3 YANG Open Source Project Ad Hoc (hereafter the “Ad Hoc”) was chartered by the 802.3 WG in May 2025 to:

Consider potential paths for moving IEEE 802.3 YANG into an IEEE OSCOM open-source project

As part of the work required to get such an IEEE OSCOM open-source project (hereafter the “Project”) up and running, we have had to address a number of issues about how the Project will do its’ business, including how we will bridge the world of IEEE 802, the IEEE Open Source community, and the broader set of companies/individuals/organizations that may be interested in participating in this activity, or consuming the results.

This document is targeted to serve the role of an “Operations Manual”, but in an FAQ format that captures key discussion points and guidelines for the ad hoc and project participants.

Please note that there are several distinct phases of the project, in general, this document will not distinguish between them.

- The initial phase was to evaluate using an IEEE OS Project for YANG, and recommending actions to 802.3 as appropriate, including requesting an OS project be started. The OSCOM project was approved on 12 December 2025.
- The second phase is to set up all the infrastructure needed to run the project and make the initial commit.
- The third phase is to start working on modifying/expanding the models to address:
 - Community feedback about current models
 - Missing items in existing models, e.g., Clause 30 objects that are not represented in the models
 - Recent/in-flight amendments

For clarity, the document below is written as if it has been adopted by 802.3, OSCOM, etc. Some of the items require review/approval, e.g. by the Ad Hoc, 802.3, or OSCOM.

1.1 Open Items

The following is a list of topics that need to be added, expanded or validated:

1. Project meeting rules, proposal is 802.3 Ad Hoc rules.

Contents

| | | |
|-------|---|----|
| 1 | Outline | 2 |
| 1.1 | Open Items | 3 |
| 1.2 | Revision History..... | 6 |
| 1.3 | Definitions | 6 |
| 1.3.1 | General | 6 |
| 1.3.2 | Roles | 7 |
| 1.3.3 | Useful Links..... | 7 |
| 2 | Basics..... | 8 |
| 2.1 | Rules of the Road..... | 8 |
| 2.2 | What Are the Goals? | 8 |
| 2.3 | Seeding the GitLab repository | 8 |
| 3 | Who is Who? | 9 |
| 3.1 | Who is the Project Lead? | 9 |
| 3.2 | Who are the Maintainers?..... | 9 |
| 3.3 | Who are the Committers? | 9 |
| 3.4 | What's the relationship with 802 Yangsters? | 9 |
| 4 | Meetings, Communications, etc..... | 10 |
| 4.1 | Who Can Participate?..... | 10 |
| 4.2 | How Does Communication Work? | 10 |
| 4.3 | Where Will Most of the Work Be Done?..... | 10 |
| 4.4 | How Do Meetings Work?..... | 10 |
| 4.5 | When Do You Vote? | 10 |
| 4.6 | How Do I Get Started? | 10 |
| 5 | Contributions/Pull Requests..... | 11 |
| 5.1 | Who Can Contribute?..... | 11 |
| 5.2 | How Are Contributions Reviewed? | 11 |
| 5.3 | What's Expected Before Submitting A Contribution..... | 11 |
| 5.4 | How Are Pull Requests Evaluated? | 11 |

| | | |
|-----|--|----|
| 5.5 | Header Text In YANG Modules | 11 |
| 5.6 | What If My Pull Request Is Rejected? | 12 |
| 6 | 802.3.2-2025 | 12 |
| 6.1 | What Happens To 802.3.2-2025? | 12 |
| 6.2 | How Is 802.3.2-2025 Updated?..... | 12 |
| 6.3 | How Is The 802.3.2 Revision Balloted? | 12 |
| 6.4 | How Do Changes In 802.3.2 Get Back into the Project? | 12 |
| 6.5 | What About Material Changes in the 802.3.2 Ballot? | 13 |

1.2 Revision History

- November 2025
 - Updates during and after the Bangkok plenary
- September 2025
 - Updates
- August 2025
 - Updates after meeting in Madrid
- July 2025
 - First draft for review in Madrid
- January 2026
 - Continued updates post project approval by OSCom

1.3 Definitions

1.3.1 General

Ad Hoc: A sub-group group chartered for a specific purpose.

CLA: [Contributor License Agreement](#): Required for each contributor, normally signed by an individual's affiliation, see [CLA FAQ](#).

CRG: Comment Resolution Group as defined in [IEEE RevCom Balloting and Comment Resolution Process Guidelines](#).

GitLab: [OSCom](#) uses [GitLab](#) as it's [development platform](#).

IEEE 802.3: [Operations Manual](#): formal rules for [802.3](#).

IEEE 802: [Operations Manual](#): formal rules for [802](#).

IEEE 802 [Policies and Procedures](#): formal rules for [802](#).

IEEE SASB [Operations Manual](#): formal rules for [IEEE SA Standards Board\(SASB\)](#).

[Maintainers Manual](#): Rules of the road for running an IEEE OS Project.

Official Release: A coherent set of models tagged and made available to the public including OSCom review and cryptographic signature, see Maintainers Manual 5.

OSCom [Operations Manual](#): formal rules for [OSCom](#).

Project Tier: Governs size and scope of project, see [OSCom Operations Manual](#) 2

Tier 3: Creates IEEE Open Source Releases or products where these are NOT incorporated into a standard, see [OSCom Operations Manual 2](#)

Unofficial Release: A tagged coherent set of models for use by project participants, see Maintainers Manual 5.

1.3.2 Roles

Ad Hoc Chair: Appointed by the 802.3 WG chair to run the Ad Hoc.

Committers: check and commit code, see Maintainers Manual 2.3.

Community Manager: IEEE OSCom representative on the Project.

Contributors: submit material (e.g., YANG module source via a pull request) to be incorporated into the repository.

Maintainer: Helps run the Project, see Maintainers Manual 2.3.

Participant: takes part in discussions (e.g., email list, physical or virtual meeting), reviews models, provides feedback (but does not submit updated code to the repository), files or comments on [issues](#). This role does **not** require a CLA.

Project Lead: Runs the Project, see Maintainers Manual 2.3.

Project Leadership: The Ad Hoc Chair (“the Chair”), the Project Lead, Maintainer(s) and Committers.

User: consumer of the models.

1.3.3 Useful Links

[Pro Git](#) book pointed to by OSCom Maintainers Manual.

[Learn GitLab with tutorials](#)

2 Basics

2.1 Rules of the Road

There are two “threads” of administration. Conduct of the OSCoM IEEE Std. 802.3 YANG Modules Project (“the OSCoM Project”) will be governed by the OSCoM Maintainers Manual. Conduct of the IEEE 802.3 YANG Open Source Project Ad Hoc (“the Ad Hoc”) will be governed by the 802.3 Operations Manual. With respect to the 802.3 Operations Manual, the project will follow the rules for 802.3 Ad Hoc groups which parallel the rules for Study Groups.

The OSCoM Project and the Ad Hoc together comprise “the Project”. It’s expected that membership/participation in both groups will have a significant overlap. In case of a rules conflict, project leadership will work with 802.3 and OSCoM to resolve the conflict.

2.2 What Are the Goals?

This effort has several key goals including the following:

- have updated model(s) available concurrently with amendment publication¹
- engage a broader group of individuals to contribute²
- improve the quality of the models³.
- Simplify addressing model issues in a timely manner⁴

2.3 Seeding the GitLab repository

We will require CLAs from all “significant contributors” to the development of 802.3.2-2019 and 802.3.2-2025. These are anticipated to be entity CLAs rather than individual CLAs. The Project Leader is responsible for working with 802.3 leadership and the Community Manager to obtain these. If a given CLA can’t be obtained, project leadership will propose a resolution to 802.3 leadership and the Community Manager.

¹ 802.3 has normally had management models available many months or years after amendments.

² 802.3 has had trouble getting participants to contribute to management models

³ The YANG models are “consumers” of the abstract definition in 802.3 Clause 30. Having the models defined concurrently with Clause 30 will improve the overall quality.

⁴ Like all interface definitions, the 802.3 models will need updates to resolve errors, omissions, etc. Using the OSCoM process simplifies the task of addressing such issues in a timely manner.

When these are obtained, the initial commit to the repository will be the complete model source from 802.3.2-2025.

3 Who is Who?

3.1 Who is the Project Lead?

The Ad Hoc Chair.

3.2 Who are the Maintainers?

The Project Lead with additional maintainers recommended by project leadership and confirmed by 802.3.

3.3 Who are the Committers?

The Project Lead with additional committers recommended by the project leadership and confirmed by 802.3.

3.4 What's the relationship with 802 Yangsters?

The Ad Hoc closely co-ordinates with [YANGsters](#) to harmonize practices across 802. This includes style guides, YANG syntax tools, etc. YANG OS meeting notifications will be copied to the YANGsters email list (STDS-802-YANG@LISTSERV.IEEE.ORG).

4 Meetings, Communications, etc

4.1 Who Can Participate?

Anyone, subject to the rules of OSCOM, 802.3 and the [IEEE SA Individual Method](#). There is no requirement to be an IEEE member, or an 802.3 voting member.

4.2 How Does Communication Work?

We primarily use the STDS-802-3-YANG reflector email list (see [Reflector Information](#)) to communicate.

We also use the [Issues](#) tool in GitLab platform provided in IEEE Open Source Platform, especially with individuals not directly involved in the Ad Hoc

4.3 Where Will Most of the Work Be Done?

A major goal of this work is to include a much broader set of individuals in the work compared to historical practice. We expects to meet in person during [802 Plenary Sessions](#) meetings, but as much works as possible will be done electronically (e.g., telephonic interims, email, etc).

Meeting announcements will be sent on the reflector, and will be included in the [IEEE 802.3 Call and Meeting Calendar](#)

4.4 How Do Meetings Work?

Meeting announcements will be sent on the reflector and will be included in the [IEEE 802.3 Call and Meeting Calendar](#). Meetings will use the same rules that apply to other [802.3 Ad Hocs](#).

4.5 When Do You Vote?

Project leadership is responsible for seeking consensus (75%, see IEEE 802 LMSC Working Group P&P subclause 1.4.3) of all participants. If consensus cannot be reached, project leadership may, at its discretion, call a vote of participants who are also 802.3 voting members.

4.6 How Do I Get Started?

A good place to start is the [Maintainers Manual](#). Other good resources include:

- [Learn GitLab with tutorials](#)

- [Pro Git](#) book

5 Contributions/Pull Requests

5.1 Who Can Contribute?

Any participant who has submitted a valid CLA.

5.2 How Are Contributions Reviewed?

We review contributions as part of scheduled meetings. Participants will follow OSCom and 802.3 procedures for reviewing contributions.

5.3 What's Expected Before Submitting A Contribution

We use the YANGsters guidelines for module formatting and checking. Contributors are expected to follow these guidelines before submission.

5.4 How Are Pull Requests Evaluated?

Project leadership will establish a Pull Request Review Group (PRRG, similar to the CRG used in 802.3) to evaluate [Pull Requests](#) (PRs) and determine appropriate action. The PRRG will include project leadership, as well as other participants.

The PRRG will use similar rules to 802.3 comment resolution with the goal being to find consensus within the PRRG. If this group does not come to consensus, then we will use 802.3 procedures (i.e., 75% voting of 802.3 voters) to determine what to do next.

If we reject a PR, we must provide feedback to the submitter explaining why it was rejected.

5.5 Header Text In YANG Modules

Modules in this project will include the following at the start of the file for YANG OS Project. If this is not present, the PR will be rejected.

```
License Notice
```

```
Copyright <commit year> IEEE and 802-3-YANG Authors
```

```
Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the conditions contained in "The 3-  
Clause BSD License" (https://opensource.org/license/BSD-3-Clause) are met.
```

5.6 What If My Pull Request Is Rejected?

Discuss the issue using one of:

- 802.3 YANG Ad Hoc reflector
- OSCom tools

6 802.3.2-2025

6.1 What Happens To 802.3.2-2025?

Nothing. It stays as a published standard. Several organizations require an official standard to be able to reference external documents/code (e.g., YANG Models).

6.2 How Is 802.3.2-2025 Updated?

802.3.2 can be updated by a revision project (e.g., every 3 years). In a revision project, the entire document is open to change. The Ad Hoc would recommend a revision project to 802.3 following normal practice, e.g.:

- revision projects do not require CSD or Objectives
- create an 802.3.2 revision task force to conduct the revision project in accordance with the current 802.3 rules document

The revision project replaces the set of models in the current 802.3.2 standard with the latest official release of the OS project.

The intent of the Project Leader is to minimize the actual text in 802.3.2, and to include the model set as attachments within the published PDF.

6.3 How Is The 802.3.2 Revision Balloted?

The revision task force is responsible for producing a draft for 802.3.2. The revision task force will use the balloting processes defined in the 802.3 Operations Manual for balloting a revision in 802.3 and then Standards Association ballot.

6.4 How Do Changes In 802.3.2 Get Back into the Project?

The CRG is a subgroup of the revision task force. Any changes accepted by the CRG will be submitted to the OS Project by the revision task force chair (“TF Chair”) and are expected to be accepted by the Project leadership (including the Lead, Maintainers, Committers who are expected to be same core group of people).

In the unlikely event that the Committers reject a change accepted by the CRG, the TF Chair will work with the commenter, the CRG and the Committers to find and implement an appropriate solution.

If no solution can be agreed, the TF Chair will propose a solution to the 802.3 WG as a motion.

6.5 What About Material Changes in the 802.3.2 Ballot?

The CRG is not required to accept changes requested by comment, but it does have to meet the return rate and approval criteria. The CRG will recommend that individuals who submit comments which require material changes to resolve, use the OSCom process rather than the SA ballot for these changes.

If no solution can be agreed, the TF Chair will propose a solution to the 802.3 WG as a motion.

Appendices

Appendix A Module Header Text

A.1 Background

Current 802.3 YANG models ([802.3-2025](#)) do not include any license or copyright information. The 802.3.1 SNMP MIBs also do not include license or copyright information.

The Maintainers manual BSD page includes a [LICENSE](#) file. The text is as follows:

```
BSD 3-Clause License
```

```
Copyright (c) 2020,  
All rights reserved.
```

```
Redistribution and use in source and binary forms, with or without  
modification, are permitted provided that the following conditions are met:
```

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

```
THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND  
ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED  
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE  
DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE  
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR  
SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER  
CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY,  
OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE  
OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

The COM OS Project uses a similar disclaimer with the initial text (before “Redistribution...”) changed as follows:

```
License Notice
```

```
Copyright 2025 802-COM Authors
```

```
Redistribution and use ...
```

IEEE 802.1 modules use the following in the module description:

```
"Common types used within ieee802-dot1ab-lldp modules. Copyright(C) IEEE
(2022). All rights reserved. This version of this YANG module is part of
IEEE Std 802.1ABcu; see the standard itself for full legal notices.";
```

IETF Standard YANG Modules include the following:

```
Copyright (c) 2021 IETF Trust and the persons identified as
authors of the code. All rights reserved.
```

```
Redistribution and use in source and binary forms, with or without
modification, is permitted pursuant to, and subject to the license terms
contained in, the Simplified BSD License set forth in Section 4.c of the IETF
Trust's Legal Provisions
Relating to IETF Documents (https://trustee.ietf.org/license-info).
```

The project will adopt a similar approach to IETF and use the “[The 3-Clause BSD License](#)” URL rather than reproduce the text in each file.

END OF DOCUMENT