

Participants have a duty to inform the IEEE

- Participants **shall** inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants **should** inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential
Essential Patent Claims is encouraged**

Ways to inform IEEE

- Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

Other guidelines for IEEE WG meetings

- All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
 - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
 - Don't discuss specific license rates, terms, or conditions.
 - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - Technical considerations remain the primary focus
 - Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
 - Don't discuss the status or substance of ongoing or threatened litigation.
 - Don't be silent if inappropriate topics are discussed ... do formally object.

For more details, see *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and
Antitrust and Competition Policy: What You Need to Know at
<http://standards.ieee.org/develop/policies/antitrust.pdf>

Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- ***IEEE-SA Standards Board Bylaws***
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- ***IEEE-SA Standards Board Operations Manual***
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the IEEE-SA
Standards Board Patent Committee
Administrator at patcom@ieee.org**

Agenda (2018-07-25)

IPR Call

- No response to call

Agenda Bash

Topics

YANG Guidelines

Module Naming

- AI: Rob to provide some guidance on naming.
 - Suggests keeping the name as short as possible
 - Discuss dropping the "dot1" part of the name or changing it to something more descriptive

Artifact Naming

- Discussed camelCase vs. kebab-case naming conventions
- kebab-case is assumed by a number yang-related tools

Other Guidelines Needed

YANG Catalog Guidelines and Activities

- We need to clarify what we really mean here. We mean the GitHub repository for the yang branch. The YANG Catalog is something that is more encompassing. So we need to be clear we are talking/discussing the github repository.
- AI: Rob will contact Einar to start a discussion on IEEE people having permission to merge in the yang GitHub.

Administrative

- AI: Scott to confirm the date of the next ITU-T IEEE YANG coordination meeting

NOTE: Notes/minutes highlighted in Yellow

YANG Module Naming Guidance

`<module-name> ::= <ieee-committee> <dash> <ieee-working-group> <dash> <unique-name>`

- | <https://1.ieee802.org/yangsters/yangsters-guidelines/yang-module-naming-guidelines/>
- | For example 802.1 is using a format like: ieee802-dot1q-bridge.yang. Where “ieee802” is used for the committee, then a dash, then “dot1” followed by the name of the dot1 project (in this case “dot1q”), then a dash, followed by a unique module name. The grammar below captures the guidelines.
- | Discussed with 802.1, 802.3, and 802.11

Module Naming Example

`<module-name> ::= <ieee-committee> <dash> <ieee-working-group> <dash> <unique-name>`

802.1 example: `ieee802-dot1q-bridge.yang`

`<ieee-committee> == ieee802`

`<dot1-specific> == dot1q`

`<unique-name> == bridge`

YANG Artifact Naming Guidance

- | In 802.1, the authors of YANG have been following the guidance in https://datatracker.ietf.org/doc/draft-ietf-netmod-rfc6087bis/?include_text=1 which (in section 4.3.1) talks about identifier naming conventions (pasted below). The first YANG module approved by 802.1 (from the P802.1Qcp) can be found here -> <https://github.com/YangModels/yang/blob/master/standard/ieee/802.1/draft/ieee802-dot1q-bridge.yang> and follows the guidance from the IETF.
- | I would like to collect such guidance and include some examples on the YANGsters site. Naming is only one of the issues, modularization, augmentation, use of XPath, and Documentation norms are all reasonable things to have IEEE oriented guidance on. It is important to have a consistent look and feel so the IEEE YANG has is cohesive. Other organizations have different guidelines for the conventions used in developing YANG modules, that are worth reviewing.
- | Action: Capture this information on the YANGsters page

Other Guidelines Needed

- | From YANGster page...
- | Draft thoughts on guidelines to create
- | YANG Guidelines
- | Coding Guidelines
- | Naming Conventions and Guidelines
- | Tooling Guidelines

YANG Catalog Action Items from San Diego

<https://github.com/YangModes/yang>

(Notes from San Diego Plenary) – Actions that still need discussion

Open Questions:

How/Where to put the YANG work that is in approved Specifications?

The YANG from the published IEEE Standard will move to here →

<https://github.com/YangModels/yang/tree/master/standard/ieee/802.1> (out of the draft folder)

IEEE owner/committer for IEEE branch of YANG Catalog?

An IEEE person needs to be an approver (happens before the yang is merged. IEEE 802.1 person for 802.1 and a .3 person for .3

The merging should continue to be done by the current YANG Catalog owners.

Talk to YANG Catalog owners to get a .1 and/or .3 person as an approver to the IEEE branches

AI: Update Readme.txt in the ../standard/ieee/ branch. Describe a description of the structure with examples

AI: explicitly note about experimental -- modules in experimental have no standing in the IEEE, the modules may be superseded by work when there is an approved PAR.

AI: If there is an approved PAR, discuss with the working group about having a guidelines to clean-up the experimental branch (to avoid confusion). Maybe create a historical branch?

AI: Discuss creating a 802 or generic branch at ../standard/ieee level to collect the standard approved generic (cross 802) modules

YANG Catalog Guidance

From Rodney:

I used the IEEE 802 namespace for the experimental modules that I uploaded, and that was a mistake. Experimental modules are not intended to be shipped in a product, but if that happens, it is important to avoid the IEEE 802 namespace.

In the future, I intend to use a vendor namespace for my individual contributions. As for where I upload, I'll ask myself two questions:

Do I intend for the module to be used as the basis for a future 802.1 project that has yet to be approved (i.e. no PAR exists)?

Do I intend to ship a product with the module?

If the answers are Yes and No respectively, I'll upload to:

<https://github.com/YangModels/yang/tree/master/experimental/ieee/802.1>

Otherwise, I'll upload to: <https://github.com/YangModels/yang/tree/master/vendor>

Suggestion: Capture this on the YANGsters page for guidance....

Repository Guidelines

- | Discussion document for use of GitHub (YANG Catalog) in the IEEE



yangsters-smansfi
-repository-guidel

Administrative

- | Website

- | <http://1.ieee802.org/yangsters/>

- | Mailing List

- | STDS-802-YANG@listserv.ieee.org

Upcoming YANGsters Calls

| Last Wednesday of every month from 9AM (US-Eastern) to 10AM (US-Eastern)

| Next Call are:

- | 29 August 2018
- | 26 September 2018
- | 31 October 2018

| Web conference: <https://join.me/ieee802.1>

| Phone numbers: <https://join.me/intphone/684-645-640>

| By phone:

- | United States – San Francisco, CA +1.415.594.5500
- | Canada – Ottawa +1.613.699.9318
- | Germany – Frankfurt +49.69.9753.3131
- | Hungary – Budapest +36.1.700.8899
- | China – Beijing +86.10.8783.3389
- | United Kingdom – National +44.33.0088.2634

| Access Code 684-645-640#

| Request for more calls at the July Plenary Session

Attendees

Meeting Attendees:

- | Karthik Chandra Bose (Nokia)
- | Rodney Cummings (NI)
- | Xiaojing Fan (Fujitsu)
- | Marc Holness (Ciena)
- | Stephan Kehrer (Hirshmann)
- | Scott Mansfield (Ericsson)
- | Glenn Parsons (Ericsson)
- | Duane Remein (Huawei)
- | Jessy Rouyer (Nokia)
- | Rami Vishnu (Self – individual)
- | Rob Wilton (Cisco)