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

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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

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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

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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

- IPR Call
- YANGsters Update
- YANG Category Issues
- ITU-T Q14/15 Coordination Update
- Open Source Pilot
- Administrative

YANGsters Update

- Since March Plenary, Have held 4 meetings

- Actions still needed (to work on in San Diego)
  - Need a liaison to MEF on .1Qcx and .1ABcu
  - Discuss the priority of reviewing of MEF and BBF YANG work
  - Structure of YANG Catalog and documentation issues

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YANG Recap (post Pittsburgh)

- P802.1Qcp
  - Bridges and Bridged Networks Amendment: YANG Data Model
- P802.1ABcu (LLDP YANG Data Model)
  - No update in San Diego --- next update driven by alignment to .1Q and .1Qcx
- P802.1CBcv (FRER YANG Data Model and Management Information Base Module)
  - http://www.ieee802.org/1/files/public/docs2018/cv-PAR-0318-v01.pdf
- P802.1Qcw (YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing)
  - http://www.ieee802.org/1/files/public/docs2018/cw-gutierrez-status-0318-v01.pdf
- P802.1Qcx
  - YANG Data Model for Connectivity Fault Management
  - http://www.ieee802.org/1/files/public/docs2018/cx-mholness-YANG-Model-0718-v01.pdf
- P802.1Xck
  - Port-Based Network Access Control—Amendment 2: YANG Data Model
  - http://www.ieee802.org/1/files/private/ck-drafts/d2/802-1Xck-d2-0.pdf
- P802.3.2 (IEEE 802.3cf)
  - YANG Data Model Definitions Task Force
  - http://www.ieee802.org/3/cf/comments/802d3cf_D2_2_proposed_2.pdf
- PARs in San Diego
  - 802.1Qcr - Amendment: Asynchronous Traffic Shaping, PAR Modification and CSD
  - 802.1Qcz - Amendment: Congestion Isolation, PAR and CSD

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YANG Catalog Issues

- Various Action Items discussed on last YANGsters call (see next slide)
- Overview
  - Documentation of YANG Catalog
    - Standard and Experimental branches
    - Guidelines on using ieee namespace to ensure experimental is not confused with standard
  - Location/structure of YANG modules as they become part of published Standards
  - Location/structure for modules that have 802-wide applicability

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YANG Catalog

- https://github.com/YangModes/yang

- 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.
    - AI: 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: delete the iee802-dot1ab-lldp.yang at the level → https://github.com/YangModels/yang (This is done)
    - 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

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Example: Where to put the TAddress Solution?

- Marc building new module to hold the Taddress and Tdomain YANG

- .1Qcx and .1ABcu will be modified to use the capability

Other Issues

- Not specifically YANG related, however

- It would be useful to apply the same structure used by the IEEE parts of the YANG Catalog to create a GitHub Repository for IEEE MIBs

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Q14/15 Coordination

- Coordination continues
- Interesting issue…
  - How to represent YANG "path" statements in UML

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Open Source Pilot

- Overview:
  - http://www.ieee802.org/1/files/public/docs2017/yang-parsons-open-source-motivation-1217.pdf
  - Pilot Form
    - http://www.ieee802.org/1/files/public/docs2017/yangsters-smansfield-meeting-05-pilot-query-1117-v02.docx
- Current Status:
  - No recent activity due to resource constraints
  - AI: Need to have a discussion this week to (at least) document the process currently used that involves GitHub/YANG Catalog

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Administrative

- [Website](#)
  - http://1.ieee802.org/yangsters/
- Mailing List
  - STDS-802-YANG@listserv.ieee.org

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Upcoming YANGsters Calls

- Last Wednesday of every month from 9AM (US-Eastern) to 10AM (US-Eastern)
- Next Call are:
    - Motion in San Diego to continue the calls
- 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

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