

IEEE 802.1Xck YANG Update Summary

IEEE 802.1Xck YANG Data Model
802.1WG
08-11 Sep 2015

Overview



- Updated IEEE 802.1X YANG module provided
 - Deposited in 802.1Q [public] folder at <http://www.ieee802.org/1/files/public/docs2015/>
 - Most recent module definition “new-mholness-8021x-yang-^{**}15-_{v**}.yang”
- YANG module structural definitions adheres to IEEE 802.1X-2010 and IEEE 802.1Xbx-2014 Management information model.
- YANG modules compile clean and adhere to IETF YANG module guidelines (e.g., RFC 6087 — Guidelines for Authors and Reviewers of YANG Data Model Documents), where applicable.



Outstanding Areas

1. Namespace definition used by the IEEE 802 YANG module definitions
2. Placement of the YANG modules within GitHub (<https://github.com/YangModels/yang>)
 - For example, should maximum line length be 70 characters
 - Which directory with GitHub do we use for the YANG drafts?
3. Should IEEE align with the IETF YANG module definition formatting rules?
 - For example, should maximum line length be 70 characters, etc.
 - Full adherence to IETF draft rfc6087bis (e.g., found at <https://tools.ietf.org/html/draft-ietf-netmod-rfc6087bis-04>)



Outstanding Areas

4. Do we augment the PAE SYSTEM on a per BRIDGE basis?
 - If not, where and associated with which YANG node(s)?
5. YANG data structure definition of *authData* attribute associated with the PARTICIPANTS object
 - Currently undefined
 - Need group discussion

6. General YANG model “default” settings

- a) In general, default settings of configurable attributes should be a propriety of the type of system being considered
 - Should some sort of system type YANG node define?
- b) Should the default setting of the *formGroup* attribute of the KAY object be false?
- c) Should the default setting of the *suspendOnRequest* attribute of the KAY object be false?
- d) Should the default setting of the *active* attribute of the PARTICIPANTS object be false?
- e) Should the default setting of the *enable* attribute of the ANNOUNCER object be false?
- f) Should the default setting of the *enable* attribute of the LISTENER object be false?

Outstanding Areas



7. Rationalization of YANG model definitions for applications

- a) LAG interfaces
- b) Customer VLAN Bridges
- c) Provider Edge Bridges
 - i. On Customer Edge Ports
 - ii. On Provider Edge Ports
 - iii. On Customer Network Ports
 - iv. On Provider Network Ports
- d) CFM Interactions
- e) Etc.

