

Open Items update

Yan Zhuang
Huawei Technologies

2017 January Interim Meeting

Outlines

- Principle of formatting modules
- YANG hierarchical structure for IEEE 802.3 modules
- Model Progress
- Timeline

Usage of IEEE 802.3 spec and Std

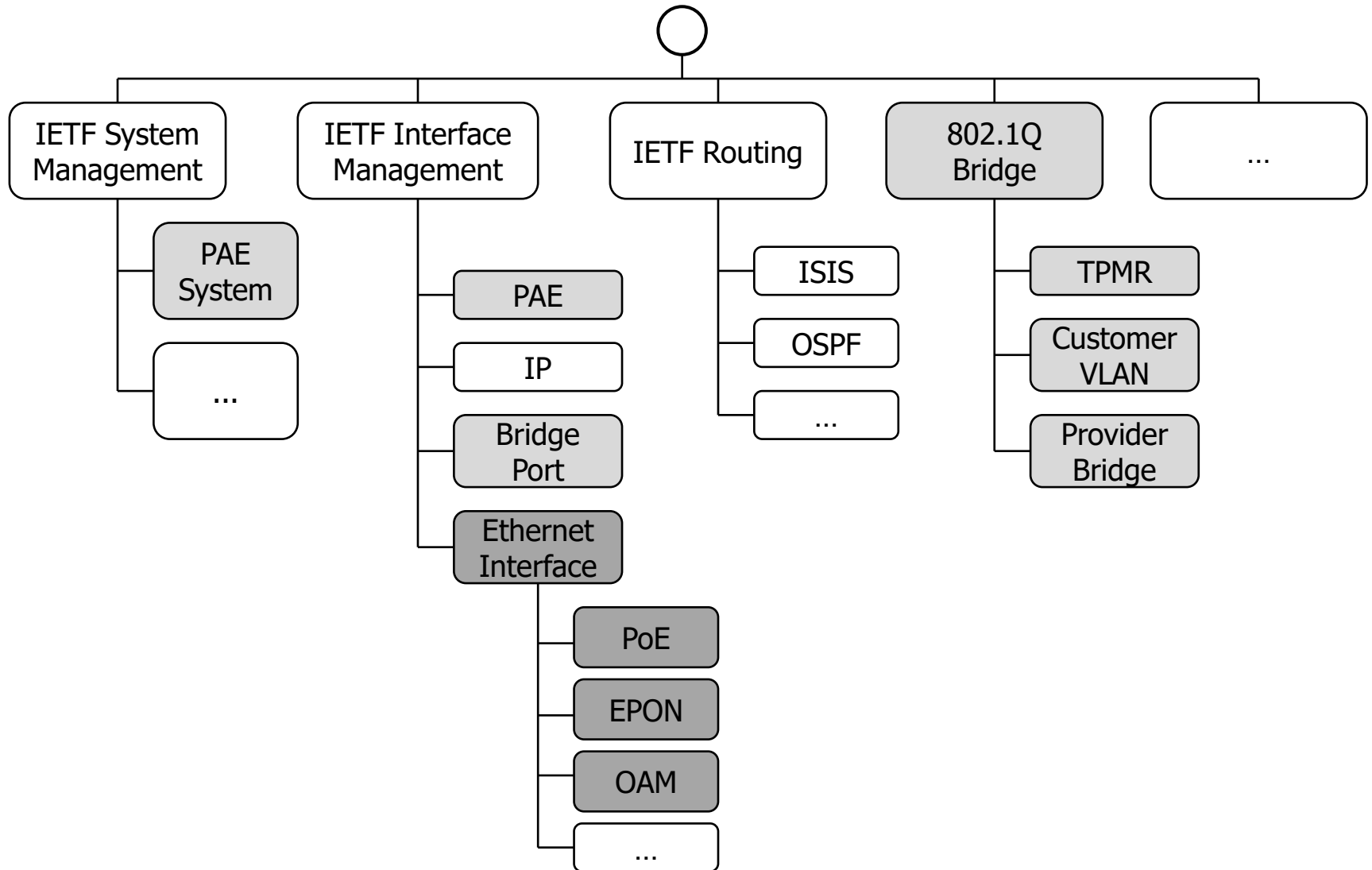
802.3.1

- IEEE 802.3 Clause 30:
 - It was never intended to be a full Mgmt standard
 - it was to define the BASIC measurements from which gauges, meters, notification and alarms could be derived
 - Not updated to date
- IEEE 802.3.1
 - It was intended to fully specify a standardized implementation of SNMP management of Ethernet.

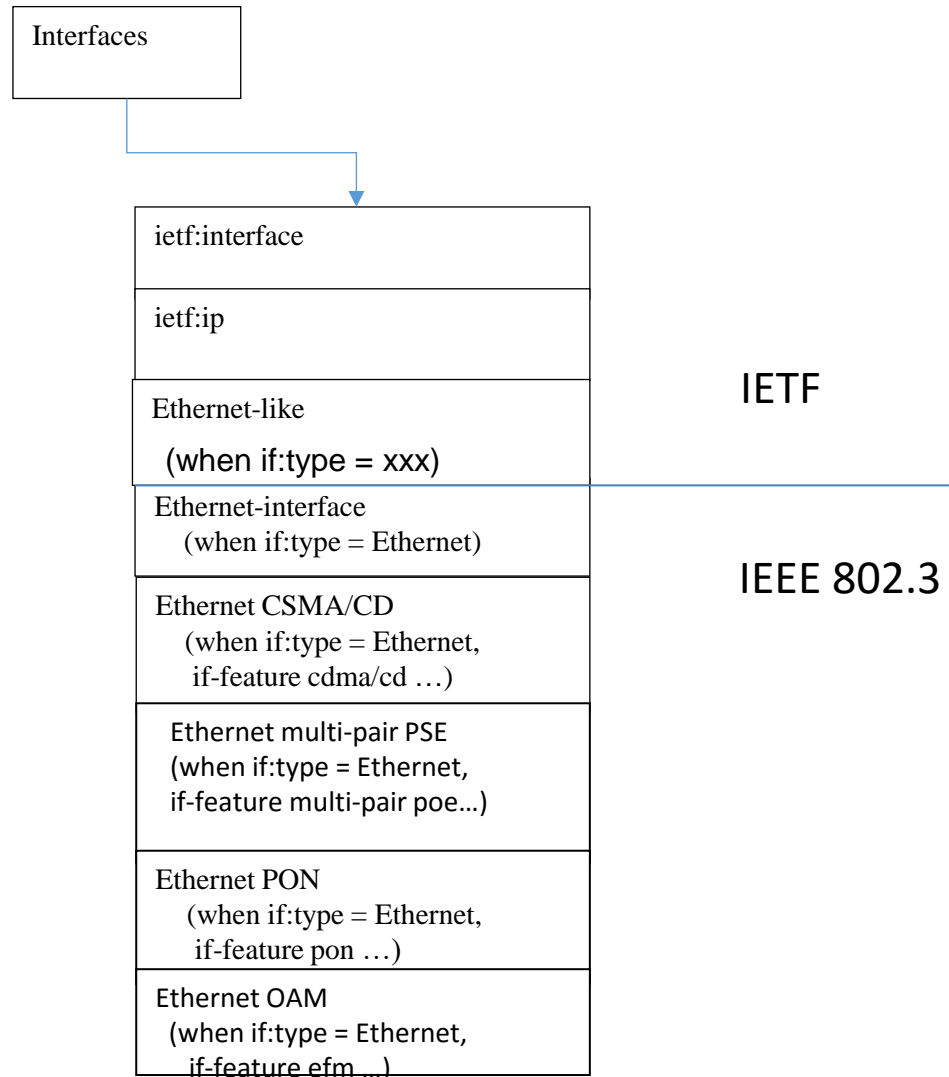
Formatting of modules

- Not only to Clause 30 but provide the same level of functionality as 802.3.1 MIBs we have for Ethernet today
 - Attributes can be from Clause 30 or derived from Clause 45.
 - Attributes can provide the same functionality as in Std 802.3.1.
 - Other attributes can be discussed and included with consensus.

YANG hierarchical structure



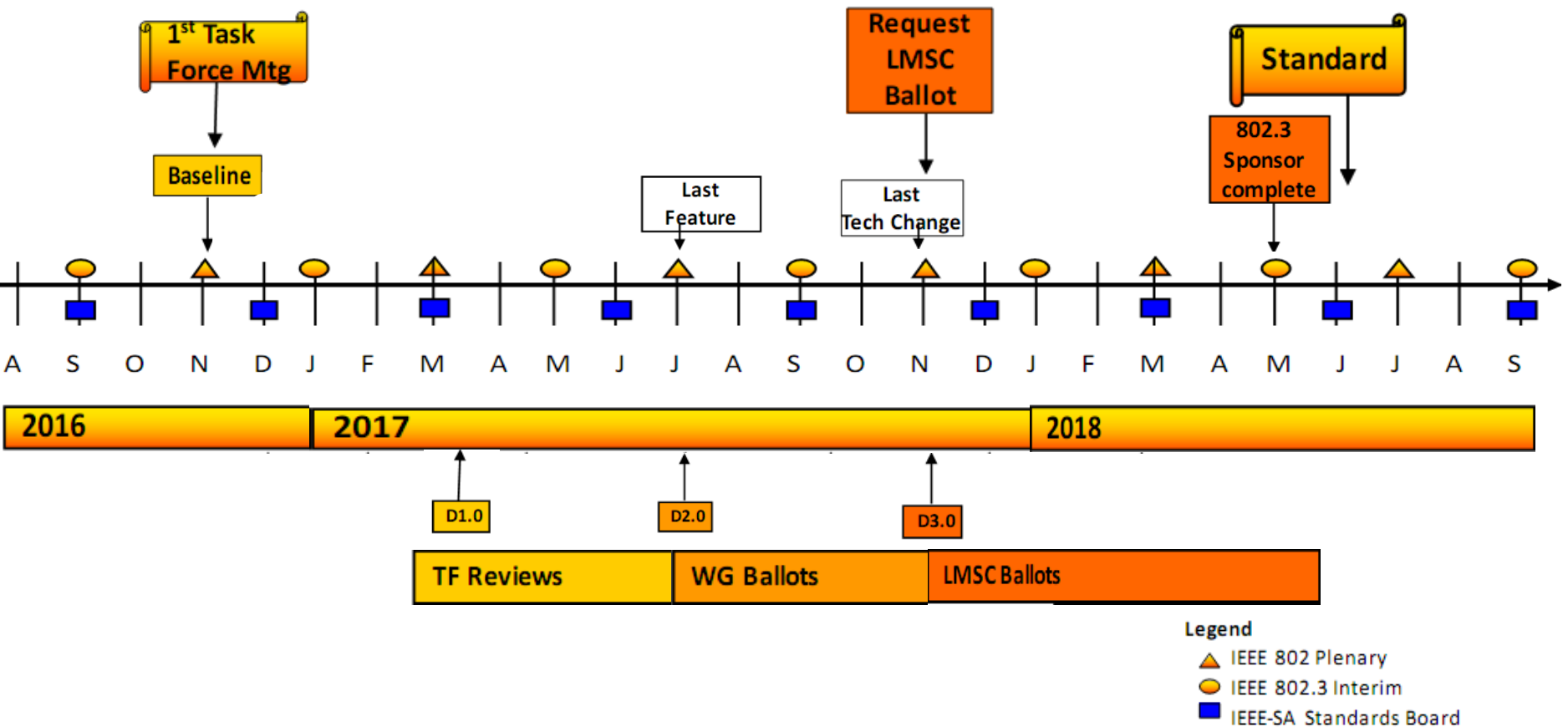
UML diagram for Ethernet modules



Model Progress

- Ethernet Interface Module (module provided)
 - Structure of the eth-if module
 - Basic attributes included
- Multi-pair PSE module (module provided)
 - Structure
 - Basic attributes included
 - Present in .3bt group and get feedback from 802.1 on LLDP work
- EPON module (no module yet)
 - Updates of PON related YANG work in BBF and ITU-T
 - How do we format EPON module?
- Link OAM (module provided)
 - Not discussed yet

IEEE P802.3.2(.3cf) Task Force Draft Timeline



Draft proposal

Thank you!