

# Mac Merge



YANGsters discussion

# Introduction



- Purpose
  - Summary of Mac Merge Issue and Planning for way forward
- Executive Summary
  - IEEE 802.1 participants have discovered a potential gap in needed functionality to support configuration of frame preemption

# Frame Preemption Support



- **IEEE 802.1Q-2018**
  - **12.30.1.4 preemptionActive object**
    - TRUE if preemption is both supported by the MAC and currently active.
  - The object is read-only because it is a feature that requires support from IEEE 802.3 MAC
- **IEEE 802.3-2018**
  - **30.14 Management for MAC Merge Sublayer**
  - **30.14.1 oMACMergeEntity managed object class**
    - This subclause formally defines the behaviours for the oMACMergeEntity managed object class attributes.
  - **30.14.1.1 aMACMergeSupport**
    - ATTRIBUTE
    - APPROPRIATE SYNTAX:
      - An ENUMERATED VALUE that has one of the following entries:
        - supported MAC Merge sublayer is supported on the device
        - not supported MAC Merge sublayer is not supported on the device
    - BEHAVIOUR DEFINED AS:
      - This attribute indicates (when accessed via a GET operation) whether the given

- **Issue**

- The initial version of the IEEE 802.3 YANG project did not support the managed object from Clause 30.14 IEEE 802.3-2018

# Discussion Topics / Questions



- Is subclass 30.14 (IEEE 802.3) needed to use the frame preemption feature being defined by IEEE 802.1Qcw?
- What are the options for starting work to remedy the situation if needed?
- IEEE 802.1 is interested in moving the project to support YANG this feature
- If IEEE 802.3 doesn't want to start a project, can the work be done as an IEEE 802.1 YANG module that augments the IEEE 802.3 YANG?
- Does IEEE 802.3 have other YANG work that this could become a part of?
- Communication between IEEE 802.1 and IEEE 802.3 on this topic is a must

