

IEC/IEEE 60802

Update on YANG for 60802

(Original document:

<https://www.ieee802.org/1/files/public/docs2022/60802-Mittelberger-et-al-YANG-for-60802-1221-v05.pdf>)

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GAP List Status

1.5.1 Activate Preemption

Preemption can be set up in the 802.1 YANG model, but activation in 802.3 YANG Model is missing

Proposed Solution: Augmentation in 60802 (maybe 802.1 only method is sufficient?)

1.5.2 aLldpXdot3LocAddFragSize attribute

Proposed Solution: Augmentation in 60802

1.5.3 RSTP/MSTP YANG Data Model

Still missing

1.5.4 MAU Types

Proposed Solution: Augmentation in 60802

1.5.5 MEF 10.3/10.4 Configuration

Still missing

GAP List Status

1.5.6 UNI YANG Module of CNC

Is being defined in 802.1Qdj

1.5.7 Device Capabilities and Quantities YANG

Proposed Solution: Augmentation in 60802 (see slide 5)

1.5.8 On/Offline Configuration of devices

Proposed Solution: Usage of Instance Data File Format – RFC 9195

1.5.9 NETCONF Datastore Architecture for “Namespaces”

In Work

1.5.10 Date-Time format in YANG

In Work

GAP List Status

1.5.11 String handling (UTF8)

In Work

1.5.12 Missing MIB Data Objects in ietf-system model

no need for these Objects in 60802

1.5.13 Missing MIB Data Objects in ietf-interface model

no need for these Objects in 60802

Device Capabilities and Quantities (Examples)

Following Capabilities will be augmented to the IETF / IEEE YANG models by IEC/IEEE 60802:

interfaces/interface/ethernet:

- mau-type
- add-frag-size
- activate-preemption

bridges/bridge/component:

- max-nr-of-streams

interfaces/interface/dot1q:bridge-port/gate-parameter-table:

- max-control-list-length

Location t.b.d.:

- max-nr-of-buffers
- interpacket-gap
- port2port forwarding delay

Next Steps

- prepare and discuss IEC/IEEE augmentations with IEEE YANGster group
- identify possible further capabilities and quantities to be augmented

Questions ?