

Tree Diagrams for 60802

Goal of presentation: Discussion in YANGsters about how detailed the tree diagram in 60802 should be.

1 Tree diagrams as presented in Atlanta

1.1 Module `ieciieee60802-ethernet-interface`

```
module: iecieee60802-ethernet-interface
```

```
augment /if:interfaces/if:interface/eth-if:ethernet:
  +--ro preemption-supported    boolean
  +--ro current-mau-type        uint32
  +--ro supported-mau-types* [mau-type]
    +--ro mau-type              uint32
    +--ro min-interpacket-gap   uint8
    +--ro max-burst-frames      uint8
    +--ro max-burst-bytes       uint8
```

2 Tree diagrams with more information as desired in Atlanta discussion

2.1 Module iecieee60802-ethernet-interface

module: ieee802-ethernet-interface

```
augment /if:interfaces/if:interface:
+--rw ethernet
  +--rw auto-negotiation!
  | +--rw enable?          boolean
  | +--ro negotiation-status? enumeration
  +--rw duplex?           duplex-type
  +--rw speed?            eth-if-speed-type
  +--rw flow-control
  | +--rw pause {ethernet-pause}?
  | | +--rw direction?    pause-fc-direction-type
  | | +--ro statistics
  | |   +--ro in-frames-pause? yang:counter64
  | |   +--ro out-frames-pause? yang:counter64
  | +--rw pfc {ethernet-pfc}?
  | | +--rw enable?      boolean
  | | +--ro statistics
  | |   +--ro in-frames-pfc? yang:counter64
  | |   +--ro out-frames-pfc? yang:counter64
  | +--rw force-flow-control? boolean
  +--ro max-frame-length?      uint16
  +--ro mac-control-extension-control? boolean
  +--ro frame-limit-slow-protocol? uint64
  +--ro capabilities
  | +--ro auto-negotiation?    boolean
  +--ro statistics
  | +--ro frame
  | | +--ro in-total-frames?      yang:counter64
  | | +--ro in-total-octets?      yang:counter64
  | | +--ro in-frames?            yang:counter64
  | | +--ro in-multicast-frames?  yang:counter64
  | | +--ro in-broadcast-frames?  yang:counter64
  | | +--ro in-error-fcs-frames?  yang:counter64
  | | +--ro in-error-undersize-frames? yang:counter64
  | | +--ro in-error-oversize-frames? yang:counter64
  | | +--ro in-error-mac-internal-frames? yang:counter64
  | | +--ro out-frames?          yang:counter64
  | | +--ro out-multicast-frames? yang:counter64
  | | +--ro out-broadcast-frames? yang:counter64
  | | +--ro out-error-mac-internal-frames? yang:counter64
  | +--ro phy
  | | +--ro in-error-symbol?      yang:counter64
  | | +--ro lpi
  | |   +--ro in-lpi-transitions? yang:counter64
  | |   +--ro in-lpi-time?        decimal64
  | |   +--ro out-lpi-transitions? yang:counter64
  | |   +--ro out-lpi-time?        decimal64
  | +--ro mac-control
  |   +--ro in-frames-mac-control-unknown? yang:counter64
  |   +--ro in-frames-mac-control-extension? yang:counter64
  |   +--ro out-frames-mac-control-extension? yang:counter64
  +--ro ia-eth-if:preemption-supported    boolean
  +--ro ia-eth-if:current-mau-type        uint32
  +--ro ia-eth-if:supported-mau-types* [mau-type]
  | +--ro ia-eth-if:mau-type              uint32
  | +--ro ia-eth-if:min-interpacket-gap    uint8
  | +--ro ia-eth-if:max-burst-frames       uint8
  | +--ro ia-eth-if:max-burst-bytes        uint8
```

2.2 Module icieee6802-bridge

```
augment /if:interfaces/if:interface:
  +--rw bridge-port
    +--rw bridge-name?                               -> /bridges/bridge/name
    +--rw component-name?                             ->
/bridges/bridge[dot1q:name=current()/../bridge-name]/component/name
    +--rw port-type?                                  identityref
    +--rw pvid?                                        dot1qtypes:vlan-index-type
    +--rw default-priority?                           dot1qtypes:priority-type
    +--rw priority-regeneration
      | +--rw priority0?   priority-type
      | +--rw priority1?   priority-type
      | +--rw priority2?   priority-type
      | +--rw priority3?   priority-type
      | +--rw priority4?   priority-type
      | +--rw priority5?   priority-type
      | +--rw priority6?   priority-type
      | +--rw priority7?   priority-type
    +--rw pcp-selection?                              dot1qtypes:pcp-selection-type
    +--rw pcp-decoding-table
      | +--rw pcp-decoding-map* [pcp]
      |   +--rw pcp                pcp-selection-type
      |   +--rw priority-map* [priority-code-point]
      |     +--rw priority-code-point  priority-type
      |     +--rw priority?            priority-type
      |     +--rw drop-eligible?       boolean
    +--rw pcp-encoding-table
      | +--rw pcp-encoding-map* [pcp]
      |   +--rw pcp                pcp-selection-type
      |   +--rw priority-map* [priority dei]
      |     +--rw priority          priority-type
      |     +--rw dei              boolean
      |     +--rw priority-code-point?  priority-type
    +--rw use-dei?                                    boolean
    +--rw drop-encoding?                              boolean
    +--rw service-access-priority-selection?          boolean
    +--rw service-access-priority
      | +--rw priority0?   priority-type
      | +--rw priority1?   priority-type
      | +--rw priority2?   priority-type
      | +--rw priority3?   priority-type
      | +--rw priority4?   priority-type
      | +--rw priority5?   priority-type
      | +--rw priority6?   priority-type
      | +--rw priority7?   priority-type
    +--rw traffic-class
      | x--rw traffic-class-map* [priority]
      |   | +--rw priority          priority-type
      |   | +--rw available-traffic-class* [num-traffic-class]
      |   |   +--rw num-traffic-class  uint8
      |   |   +--rw traffic-class?     traffic-class-type
      |   +--rw traffic-class-table
      |     +--rw number-of-traffic-classes?  uint8
      |     +--rw priority0?                 traffic-class-type
      |     +--rw priority1?                 traffic-class-type
      |     +--rw priority2?                 traffic-class-type
      |     +--rw priority3?                 traffic-class-type
      |     +--rw priority4?                 traffic-class-type
      |     +--rw priority5?                 traffic-class-type
      |     +--rw priority6?                 traffic-class-type
      |     +--rw priority7?                 traffic-class-type
    +--rw transmission-selection-algorithm-table
      | +--rw transmission-selection-algorithm-map* [traffic-class]
      |   +--rw traffic-class                traffic-class-type
      |   +--rw transmission-selection-algorithm?  identityref
      |   +--ro ia-bridge:committed-information-rate  uint32
      |   +--ro ia-bridge:committed-burst-size       uint32
      |   +--ro ia-bridge:supported-transmission-selection-algorithms* [algorithm]
      |     +--ro ia-bridge:algorithm  identityref
    +--rw acceptable-frame?                          enumeration
    +--rw enable-ingress-filtering?                   boolean
    +--rw enable-restricted-vlan-registration?        boolean
    +--rw enable-vid-translation-table?               boolean
```

```

+---rw enable-egress-vid-translation-table?      boolean
+---rw protocol-group-vid-set* [group-id] {port-and-protocol-based-vlan}?
| +---rw group-id      uint32
| +---rw vid*          dot1qtypes:vlanid
+---rw admin-point-to-point?                    enumeration
+---ro protocol-based-vlan-classification?      boolean {port-and-protocol-based-vlan}?
+---ro max-vid-set-entries?                     uint16 {port-and-protocol-based-vlan}?
+---ro port-number?                             dot1qtypes:port-number-type
+---ro address?                                 ieee:mac-address
+---ro capabilities?                            bits
+---ro type-capabilities?                       bits
+---ro external?                               boolean
+---ro oper-point-to-point?                    boolean
+---ro media-dependent-overhead?               uint8
+---ro statistics
| +---ro delay-exceeded-discards?              yang:counter64
| +---ro mtu-exceeded-discards?               yang:counter64
| +---ro frame-rx?                            yang:counter64
| +---ro octets-rx?                           yang:counter64
| +---ro frame-tx?                            yang:counter64
| +---ro octets-tx?                           yang:counter64
| +---ro discard-inbound?                     yang:counter64
| +---ro forward-outbound?                   yang:counter64
| +---ro discard-lack-of-buffers?            yang:counter64
| +---ro discard-transit-delay-exceeded?     yang:counter64
| +---ro discard-on-error?                   yang:counter64
| +---ro discard-on-ingress-filtering?       yang:counter64 {ingress-filtering}?
+---rw vid-translations* [local-vid]
| +---rw local-vid      dot1qtypes:vlanid
| +---rw relay-vid?    dot1qtypes:vlanid
+---rw egress-vid-translations* [relay-vid]
    +---rw relay-vid      dot1qtypes:vlanid
    +---rw local-vid?    dot1qtypes:vlanid

```