

```

module: ieee802-dot1ab-lldp
+--rw lldp
+--rw bridge?                               bridge-ref
+--rw message-fast-tx?                       uint32
+--rw message-tx-hold-multiplier?            uint32
+--rw message-tx-interval?                   uint32
+--rw reinit-delay?                          uint32
+--rw tx-credit-max?                          uint32
+--rw tx-fast-init?                          uint32
+--rw notification-interval?                 uint32
+--ro remote-statistics
|  +--ro last-change-time?   yang:timestamp
|  +--ro remote-inserts?    yang:zero-based-counter32
|  +--ro remote-deletes?    yang:zero-based-counter32
|  +--ro remote-drops?      yang:zero-based-counter32
|  +--ro remote-ageouts?    yang:zero-based-counter32
+--ro local-system-data
|  +--ro chassis-id-subtype?   lldp-types:chassis-id-subtype-type
|  +--ro chassis-id?          lldp-types:chassis-id-type
|  +--ro system-name?         string
|  +--ro system-description?   string
|  +--ro system-capabilities-supported? lldp:system-capabilities-map
|  +--ro system-capabilities-enabled? lldp:system-capabilities-map
+--rw port* [name dest-mac-address]
|  +--rw name                               if:interface-ref
|  +--rw dest-mac-address                   ieee:mac-address
|  +--rw admin-status?                     enumeration
|  +--rw notification-enable?              boolean
|  +--rw tlvs-tx-enable?                   bits
|  +--rw message-fast-tx?                  uint32
|  +--rw message-tx-hold-multiplier?       uint32
|  +--rw message-tx-interval?              uint32
|  +--rw reinit-delay?                     uint32
|  +--rw tx-credit-max?                    uint32
|  +--rw tx-fast-init?                     uint32
|  +--rw notification-interval?            uint32
|  +--rw management-address-tx-port* [address-subtype man-address]
|  |  +--rw address-subtype   identityref
|  |  +--rw man-address       man-addr-type
|  |  +--rw tx-enable?       boolean
|  |  +--ro addr-len?        uint32
|  |  +--ro if-subtype?      lldp:man-addr-if-subtype
|  |  +--ro if-id?           uint32
|  +--ro port-id-subtype?    lldp-types:port-id-subtype-type
|  +--ro port-id?            lldp-types:port-id-type
|  +--ro port-desc?          string
|  +--ro tx-statistics
|  |  +--ro total-frames?     yang:counter32
|  |  +--ro total-length-errors? yang:counter32
|  +--ro rx-statistics
|  |  +--ro total-ageouts?    yang:zero-based-counter32
|  |  +--ro total-discarded-frames? yang:counter32
|  |  +--ro error-frames?    yang:counter32
|  |  +--ro total-frames?    yang:counter32
|  |  +--ro total-discarded-tlvs? yang:counter32
|  |  +--ro total-unrecognized-tlvs? yang:counter32
|  +--ro remote-systems-data* [time-mark remote-index]
|  |  +--ro time-mark        yang:timeticks
|  |  +--ro remote-index     uint32
|  |  +--ro chassis-id-subtype? lldp-types:chassis-id-subtype-type
|  |  +--ro chassis-id?       lldp-types:chassis-id-type
|  |  +--ro port-id-subtype?   lldp-types:port-id-subtype-type
|  |  +--ro port-id?           lldp-types:port-id-type
|  |  +--ro port-desc?         string
|  |  +--ro system-name?       string

```

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+--ro system-description?                string
+--ro system-capabilities-supported?     lldp:system-capabilities-map
+--ro system-capabilities-enabled?      lldp:system-capabilities-map
+--ro management-address* [address-subtype address]
|   +--ro address-subtype                identityref
|   +--ro address                        lldp:man-addr-type
|   +--ro if-subtype?                    lldp:man-addr-if-subtype
|   +--ro if-id?                         uint32
+--ro remote-unknown-tlv* [tlv-type]
|   +--ro tlv-type                       uint32
|   +--ro tlv-info?                     binary
+--ro remote-org-defined-info* [info-identifier info-subtype info-index]
|   +--ro info-identifier                 binary
|   +--ro info-subtype                   uint32
|   +--ro info-index                     uint32
|   +--ro remote-info?                   binary
+--ro lldp-ci-tlv:congestion-isolation-tlv-extension
|   +--ro lldp-ci-tlv:queue-map* [priority]
|   |   +--ro lldp-ci-tlv:priority        dot1q-types:priority-type
|   |   +--ro lldp-ci-tlv:queue-config?   dot1q-ci:abs-traffic-class-plus-one-type
|   +--ro lldp-ci-tlv:cim-encap-length?   uint16
|   +--ro lldp-ci-tlv:mac-address?        ieee:mac-address
|   +--ro lldp-ci-tlv:udp-port-number?    inet:port-number
|   +--ro lldp-ci-tlv:ip-address?        inet:ip-address
+--ro lldp-basic-tlv:port-vlan-id-tlv-extension
|   +--ro lldp-basic-tlv:port-vlan-id?    dot1qtypes:vlanid
+--ro lldp-basic-tlv:port-and-protocol-vlan-id-extension
|   +--ro lldp-basic-tlv:port-vlan-id?    dot1qtypes:vlanid
|   +--ro lldp-basic-tlv:flags?          bits
+--ro lldp-basic-tlv:port-vlan-name-tlv-extension
|   +--ro lldp-basic-tlv:vlan-id?        dot1qtypes:vlanid
|   +--ro lldp-basic-tlv:port-vlan-name?  string
+--ro lldp-basic-tlv:protocol-identity-tlv-extension
|   +--ro lldp-basic-tlv:protocol-identity? string
+--ro lldp-basic-tlv:link-aggregation-tlv-extension
|   +--ro lldp-basic-tlv:aggregation-status? bits
|   +--ro lldp-basic-tlv:aggregated-port-id? uint32
+--ro lldp-basic-tlv:vid-usage-digest-tlv-extension
|   +--ro lldp-basic-tlv:vid-usage-digest? uint32
+--ro lldp-basic-tlv:management-vid-tlv-extension
|   +--ro lldp-basic-tlv:management-vid? dot1qtypes:vlanid
+--ro lldp-cn-tlv:congestion-notification-tlv-extension
|   +--ro lldp-cn-tlv:per-priority-xmit-cnpv-capable? congestion-notification-bit-vector
|   +--ro lldp-cn-tlv:per-priority-xmit-ready?      congestion-notification-bit-vector
+--ro lldp-evb-tlv:evb-tlv-extension
|   +--ro lldp-evb-tlv:evb-tlv-info-string?  binary
+--ro lldp-evb-tlv:cdcp-tlv-extension
|   +--ro lldp-evb-tlv:cdcp-tlv-info-string?  binary
+--ro lldp-tr-tlv:congestion-isolation-tlv-extension
|   +--ro lldp-tr-tlv:device-type?           enumeration
|   +--ro lldp-tr-tlv:topology-level?       uint8
|   +--ro lldp-tr-tlv:port-orientation?     enumeration
+--ro lldp-dcbx-tlv:ets-configuration-tlv-extension
|   +--ro lldp-dcbx-tlv:willing?             boolean
|   +--ro lldp-dcbx-tlv:credit-based-shaper? boolean
|   +--ro lldp-dcbx-tlv:traffic-classes-supported? dot1q-types:num-traffic-class-type
|   +--ro lldp-dcbx-tlv:priority-assignment-table* [priority]
|   |   +--ro lldp-dcbx-tlv:priority        dot1q-types:priority-type
|   |   +--ro lldp-dcbx-tlv:priority-traffic-class? dot1q-types:traffic-class-type
|   |   +--ro lldp-dcbx-tlv:transmission-selection-algorithm? identityref
|   +--ro lldp-dcbx-tlv:tc-bandwidth-table* [traffic-class]
|   |   +--ro lldp-dcbx-tlv:traffic-class    dot1q-types:traffic-class-type
|   |   +--ro lldp-dcbx-tlv:percentage-bandwidth? uint8
|   +--ro lldp-dcbx-tlv:tsa-assignment-table* [tsa-traffic-class]
|   +--ro lldp-dcbx-tlv:tsa-traffic-class    dot1q-types:traffic-class-type

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|   +--ro lldp-dcbx-tlv:transmission-selection-algorithm?  identityref
+--ro lldp-dcbx-tlv:ets-recommendation-tlv-extension
|   +--ro lldp-dcbx-tlv:priority-assignment-table* [priority]
|   |   +--ro lldp-dcbx-tlv:priority  dot1q-types:priority-type
|   |   +--ro lldp-dcbx-tlv:priority-traffic-class?  dot1q-types:traffic-class-type
+--ro lldp-dcbx-tlv:tc-bandwidth-table* [traffic-class]
|   +--ro lldp-dcbx-tlv:traffic-class  dot1q-types:traffic-class-type
|   +--ro lldp-dcbx-tlv:percentage-bandwidth?  uint8
+--ro lldp-dcbx-tlv:tsa-assignment-table* [tsa-traffic-class]
|   +--ro lldp-dcbx-tlv:tsa-traffic-class  dot1q-types:traffic-class-type
|   +--ro lldp-dcbx-tlv:transmission-selection-algorithm?  identityref
+--ro lldp-dcbx-tlv:pfic-tlv-extension
|   +--ro lldp-dcbx-tlv:willing?  boolean
|   +--ro lldp-dcbx-tlv:macsec-bypass-capable?  boolean
|   +--ro lldp-dcbx-tlv:number-tc-capable?  dot1q-types:num-traffic-class-type
|   +--ro lldp-dcbx-tlv:enable?  bits
+--ro lldp-dcbx-tlv:application-priority-tlv-extension
|   +--ro lldp-dcbx-tlv:application-priority-table* [application-priority]
|   |   +--ro lldp-dcbx-tlv:application-priority  dot1q-types:priority-type
|   |   +--ro lldp-dcbx-tlv:application-priority-selector?  identityref
|   |   +--ro lldp-dcbx-tlv:application-priority-protocol?  uint16
+--ro lldp-dcbx-tlv:application-vlan-tlv-extension
|   +--ro lldp-dcbx-tlv:application-vlan-table* [application-vlan]
|   |   +--ro lldp-dcbx-tlv:application-vlan  dot1q-types:vlanid
|   |   +--ro lldp-dcbx-tlv:application-vlan-selector?  identityref
|   |   +--ro lldp-dcbx-tlv:application-vlan-protocol?  uint16
+--rw lldp-ci-tlv:tlvs-tx-org-ci-enable?  bits
+--rw lldp-ci-tlv:congestion-isolation-tlv-extension
|   +--rw lldp-ci-tlv:queue-map* [priority]
|   |   +--rw lldp-ci-tlv:priority  dot1q-types:priority-type
|   |   +--rw lldp-ci-tlv:queue-config?  dot1q-ci:abs-traffic-class-plus-one-type
+--rw lldp-ci-tlv:cim-encap-length?  uint16
+--ro lldp-ci-tlv:mac-address?  ieee:mac-address
+--ro lldp-ci-tlv:udp-port-number?  inet:port-number
+--ro lldp-ci-tlv:ip-address?  inet:ip-address
+--rw lldp-basic-tlv:tlvs-tx-org-basic-enable?  bits
+--rw lldp-basic-tlv:port-vlan-id-tlv-extension
|   +--rw lldp-basic-tlv:port-vlan-id?  dot1qtypes:vlanid
+--rw lldp-basic-tlv:port-and-protocol-vlan-id-extension
|   +--rw lldp-basic-tlv:port-vlan-id?  dot1qtypes:vlanid
|   +--rw lldp-basic-tlv:flags?  bits
+--rw lldp-basic-tlv:port-vlan-name-tlv-extension
|   +--rw lldp-basic-tlv:vlan-id?  dot1qtypes:vlanid
|   +--rw lldp-basic-tlv:port-vlan-name?  string
+--rw lldp-basic-tlv:protocol-identity-tlv-extension
|   +--rw lldp-basic-tlv:protocol-identity?  string
+--rw lldp-basic-tlv:link-aggregation-tlv-extension
|   +--rw lldp-basic-tlv:aggregation-status?  bits
|   +--rw lldp-basic-tlv:aggregated-port-id?  uint32
+--rw lldp-cn-tlv:tlvs-tx-org-congestion-notification-enable?  boolean
+--rw lldp-cn-tlv:congestion-notification-tlv-extension
|   +--rw lldp-cn-tlv:per-priority-xmit-cnpv-capable?  congestion-notification-bit-vector
|   +--rw lldp-cn-tlv:per-priority-xmit-ready?  congestion-notification-bit-vector
+--rw lldp-evb-tlv:tlvs-tx-org-evb-enable?  bits
+--rw lldp-evb-tlv:evb-tlv-extension
|   +--ro lldp-evb-tlv:evb-tlv-info-string?  binary
+--rw lldp-evb-tlv:cdcp-tlv-extension
|   +--ro lldp-evb-tlv:cdcp-tlv-info-string?  binary
+--rw lldp-tr-tlv:tlvs-tx-org-tr-enable?  bits
+--rw lldp-tr-tlv:topology-recognition-tlv-extension
|   +--rw lldp-tr-tlv:port-orientation?  enumeration
+--rw lldp-dcbx-tlv:tlvs-tx-org-dcbx-enable?  bits
+--rw lldp-dcbx-tlv:ets-configuration-tlv-extension
|   +--rw lldp-dcbx-tlv:willing?  boolean
|   +--rw lldp-dcbx-tlv:credit-based-shaper?  boolean

```

```

+--rw lldp-dcbx-tlv:traffic-classes-supported? dot1q-types:num-traffic-class-type
+--rw lldp-dcbx-tlv:priority-assignment-table* [priority]
| +--rw lldp-dcbx-tlv:priority dot1q-types:priority-type
| +--rw lldp-dcbx-tlv:priority-traffic-class? dot1q-types:traffic-class-type
| +--rw lldp-dcbx-tlv:transmission-selection-algorithm? identityref
+--rw lldp-dcbx-tlv:tc-bandwidth-table* [traffic-class]
| +--rw lldp-dcbx-tlv:traffic-class dot1q-types:traffic-class-type
| +--rw lldp-dcbx-tlv:percentage-bandwidth? uint8
+--rw lldp-dcbx-tlv:tsa-assignment-table* [tsa-traffic-class]
| +--rw lldp-dcbx-tlv:tsa-traffic-class dot1q-types:traffic-class-type
| +--rw lldp-dcbx-tlv:transmission-selection-algorithm? identityref
+--rw lldp-dcbx-tlv:ets-recommendation-tlv-extension
+--rw lldp-dcbx-tlv:priority-assignment-table* [priority]
| +--rw lldp-dcbx-tlv:priority dot1q-types:priority-type
| +--rw lldp-dcbx-tlv:priority-traffic-class? dot1q-types:traffic-class-type
+--rw lldp-dcbx-tlv:tc-bandwidth-table* [traffic-class]
| +--rw lldp-dcbx-tlv:traffic-class dot1q-types:traffic-class-type
| +--rw lldp-dcbx-tlv:percentage-bandwidth? uint8
+--rw lldp-dcbx-tlv:tsa-assignment-table* [tsa-traffic-class]
| +--rw lldp-dcbx-tlv:tsa-traffic-class dot1q-types:traffic-class-type
| +--rw lldp-dcbx-tlv:transmission-selection-algorithm? identityref
+--rw lldp-dcbx-tlv:pfc-tlv-extension
| +--rw lldp-dcbx-tlv:willing? boolean
| +--rw lldp-dcbx-tlv:macsec-bypass-capable? boolean
| +--rw lldp-dcbx-tlv:number-tc-capable? dot1q-types:num-traffic-class-type
| +--rw lldp-dcbx-tlv:enable? bits
+--rw lldp-dcbx-tlv:application-priority-tlv-extension
| +--rw lldp-dcbx-tlv:application-priority-table* [application-priority]
| | +--rw lldp-dcbx-tlv:application-priority dot1q-types:priority-type
| | +--rw lldp-dcbx-tlv:application-priority-selector? identityref
| | +--rw lldp-dcbx-tlv:application-priority-protocol? uint16
+--rw lldp-dcbx-tlv:application-vlan-tlv-extension
| +--rw lldp-dcbx-tlv:application-vlan-table* [application-vlan]
| | +--rw lldp-dcbx-tlv:application-vlan dot1q-types:vlanid
| | +--rw lldp-dcbx-tlv:application-vlan-selector? identityref
| | +--rw lldp-dcbx-tlv:application-vlan-protocol? uint16
+--rw lldp-basic-tlv:vid-usage-digest-tlv-extension
| +--ro lldp-basic-tlv:vid-usage-digest? uint32
+--rw lldp-basic-tlv:management-vid-tlv-extension
| +--rw lldp-basic-tlv:management-vid? dot1q-types:vlanid
+--rw lldp-tr-tlv:topology-recognition-tlv-extension
| +--ro lldp-tr-tlv:device-type? enumeration
| +--rw lldp-tr-tlv:topology-level? uint8

```

notifications:

```

+--n remote-table-change
| +--ro remote-insert? -> /lldp/remote-statistics/remote-inserts
| +--ro remote-delete? -> /lldp/remote-statistics/remote-deletes
| +--ro remote-drops? -> /lldp/remote-statistics/remote-drops
| +--ro remote-ageouts? -> /lldp/remote-statistics/remote-ageouts

```

grouping lldp-cfg

```

+-- message-fast-tx? uint32
+-- message-tx-hold-multiplier? uint32
+-- message-tx-interval? uint32
+-- reinit-delay? uint32
+-- tx-credit-max? uint32
+-- tx-fast-init? uint32
+-- notification-interval? uint32

```

module: ieee802-dot1q-ats

```

+--rw stream-gates
| +--rw stream-gate-instance-table* [stream-gate-instance-id]
| | +--rw stream-gate-instance-id uint32
| | +--rw gate-enable? boolean

```

```

| | +--rw admin-gate-states?      gate-state-value-type
| | +--rw admin-ipv?            ipv-spec-type
| +--ro max-stream-gate-instances?  uint32
+--rw stream-filters
+--rw stream-filter-instance-table* [stream-filter-instance-id]
| +--rw stream-filter-instance-id  uint32
| +--rw (stream-handle-spec)?
| | +--:(wildcard)
| | | +--rw wildcard?            empty
| | +--:(stream-handle)
| | | +--rw stream-handle        uint32
+--rw priority-spec                priority-spec-type
+--rw max-sdu-size                  uint32
+--rw stream-blocked-due-to-oversize-frame-enabled?  boolean
+--rw stream-blocked-due-to-oversize-frame?          boolean
+--rw stream-gate-ref               -> ../../../../stream-gates/stream-gate-instance-table/stream-gate-instance-id
+--rw schedulers
| +--rw scheduler-instance-table* [scheduler-instance-id]
| | +--rw scheduler-instance-id  uint32
| | +--rw committed-information-rate  uint64
| | +--rw committed-burst-size      uint32
| | +--rw scheduler-group-ref       -> ../../../../scheduler-groups/scheduler-group-instance-table/scheduler-group-instance-id
+--ro max-scheduler-instances?  uint32
+--rw scheduler-groups
| +--rw scheduler-group-instance-table* [scheduler-group-instance-id]
| | +--rw scheduler-group-instance-id  uint32
| | +--rw max-residence-time          uint32
+--ro max-scheduler-group-instances?  uint32
+--rw scheduler-timing-characteristics
+--ro scheduler-timing-characteristics-table* [reception-port transmission-port]
+--ro reception-port                dot1qtypes:port-number-type
+--ro transmission-port              dot1qtypes:port-number-type
+--ro clock-offset-variation-max     uint32
+--ro clock-rate-deviation-max       uint32
+--ro arrival-recognition-delay-max  uint32
+--ro processing-delay-min           uint32
+--ro processing-delay-max           uint32
+--rw scheduler
+--rw scheduler-ref?                 -> ../../schedulers/scheduler-instance-table/scheduler-instance-id
+--rw scheduler-enable?              boolean
+--ro max-stream-filter-instances?  uint32

```

grouping ats-port-parameters

```
+--ro discarded-frames-count?  yang:counter64
```

grouping ats-parameters

```
+-- schedulers
```

```

| +-- scheduler-instance-table* [scheduler-instance-id]
| | +-- scheduler-instance-id      uint32
| | +-- committed-information-rate  uint64
| | +-- committed-burst-size       uint32
| | +-- scheduler-group-ref        -> ../../../../scheduler-groups/scheduler-group-instance-table/scheduler-group-instance-id
+--ro max-scheduler-instances?    uint32

```

```
+-- scheduler-groups
```

```

+-- scheduler-group-instance-table* [scheduler-group-instance-id]
| +-- scheduler-group-instance-id?  uint32
| +-- max-residence-time            uint32
+--ro max-scheduler-group-instances?  uint32
+-- scheduler-timing-characteristics
+--ro scheduler-timing-characteristics-table* [reception-port transmission-port]
+--ro reception-port                dot1qtypes:port-number-type
+--ro transmission-port              dot1qtypes:port-number-type
+--ro clock-offset-variation-max     uint32
+--ro clock-rate-deviation-max       uint32
+--ro arrival-recognition-delay-max  uint32
+--ro processing-delay-min           uint32

```

+-ro processing-delay-max uint32

module: ieee802-dot1q-bridge

+-rw bridges

+-rw bridge* [name]

+-rw name dot1qtypes:name-type

+-rw address ieee:mac-address

+-rw bridge-type identityref

+-ro ports? uint16

+-ro up-time? yang:zero-based-counter32

+-ro components? uint32

+-rw component* [name]

+-rw name string

+-rw id? uint32

+-rw type identityref

+-rw address? ieee:mac-address

+-rw traffic-class-enabled? boolean

+-ro ports? uint16

+-ro bridge-port* if:interface-ref

+-ro capabilities

+-ro extended-filtering? boolean

+-ro traffic-classes? boolean

+-ro static-entry-individual-port? boolean

+-ro ivl-capable? boolean

+-ro svl-capable? boolean

+-ro hybrid-capable? boolean

+-ro configurable-pvid-tagging? boolean

+-ro local-vlan-capable? boolean

+-rw filtering-database

+-rw aging-time? uint32

+-ro size? yang:gauge32

+-ro static-entries? yang:gauge32

+-ro dynamic-entries? yang:gauge32

+-ro static-vlan-registration-entries? yang:gauge32

+-ro dynamic-vlan-registration-entries? yang:gauge32

+-ro mac-address-registration-entries? yang:gauge32 {extended-filtering-services}?

+-rw filtering-entry* [database-id vids address]

+-rw database-id uint32

+-rw address ieee:mac-address

+-rw vids dot1qtypes:vid-range-type

+-rw entry-type? enumeration

+-rw port-map* [port-ref]

+-rw port-ref port-number-type

+-rw (map-type)?

+-:(static-filtering-entries)

+-rw static-filtering-entries

+-rw control-element? enumeration

+-rw connection-identifier? port-number-type

+-:(static-vlan-registration-entries)

+-rw static-vlan-registration-entries

+-rw registrar-admin-control? enumeration

+-rw vlan-transmitted? enumeration

+-:(mac-address-registration-entries)

+-rw mac-address-registration-entries

+-rw control-element? enumeration

+-:(dynamic-vlan-registration-entries)

+-rw dynamic-vlan-registration-entries

+-rw control-element? enumeration

+-:(dynamic-reservation-entries)

+-rw dynamic-reservation-entries

+-rw control-element? enumeration

+-:(dynamic-filtering-entries)

+-rw dynamic-filtering-entries

+-rw control-element? enumeration

+-ro status? enumeration

```

+--rw vlan-registration-entry* [database-id vids]
  +--rw database-id      uint32
  +--rw vids              dot1qtypes:vid-range-type
  +--rw entry-type?      enumeration
  +--rw port-map* [port-ref]
    +--rw port-ref              port-number-type
    +--rw (map-type)?
      +--:(static-filtering-entries)
        +--rw static-filtering-entries
          +--rw control-element?      enumeration
          +--rw connection-identifier? port-number-type
      +--:(static-vlan-registration-entries)
        +--rw static-vlan-registration-entries
          +--rw registrar-admin-control? enumeration
          +--rw vlan-transmitted?      enumeration
      +--:(mac-address-registration-entries)
        +--rw mac-address-registration-entries
          +--rw control-element?      enumeration
      +--:(dynamic-vlan-registration-entries)
        +--rw dynamic-vlan-registration-entries
          +--rw control-element?      enumeration
      +--:(dynamic-reservation-entries)
        +--rw dynamic-reservation-entries
          +--rw control-element?      enumeration
      +--:(dynamic-filtering-entries)
        +--rw dynamic-filtering-entries
          +--rw control-element?      enumeration
+--rw permanent-database
  +--ro size?                          yang:gauge32
  +--ro static-entries?                 yang:gauge32
  +--ro static-vlan-registration-entries? yang:gauge32
  +--rw filtering-entry* [database-id vids address]
    +--rw database-id      uint32
    +--rw address          ieee:mac-address
    +--rw vids              dot1qtypes:vid-range-type
    +--ro status?          enumeration
    +--rw port-map* [port-ref]
      +--rw port-ref              port-number-type
      +--rw (map-type)?
        +--:(static-filtering-entries)
          +--rw static-filtering-entries
            +--rw control-element?      enumeration
            +--rw connection-identifier? port-number-type
        +--:(static-vlan-registration-entries)
          +--rw static-vlan-registration-entries
            +--rw registrar-admin-control? enumeration
            +--rw vlan-transmitted?      enumeration
        +--:(mac-address-registration-entries)
          +--rw mac-address-registration-entries
            +--rw control-element?      enumeration
        +--:(dynamic-vlan-registration-entries)
          +--rw dynamic-vlan-registration-entries
            +--rw control-element?      enumeration
        +--:(dynamic-reservation-entries)
          +--rw dynamic-reservation-entries
            +--rw control-element?      enumeration
        +--:(dynamic-filtering-entries)
          +--rw dynamic-filtering-entries
            +--rw control-element?      enumeration
+--rw bridge-vlan
  +--ro version?          uint16
  +--ro max-vids?         uint16
  +--ro override-default-pvid? boolean
  +--ro protocol-template? dot1qtypes:protocol-frame-format-type {port-and-protocol-based-vlan}?
  +--ro max-msti?         uint16

```

```

+--rw vlan* [vid]
|   +--rw vid          dot1qtypes:vlan-index-type
|   +--rw name?       dot1qtypes:name-type
|   +--ro untagged-ports* if:interface-ref
|   +--ro egress-ports* if:interface-ref
+--rw protocol-group-database* [db-index] {port-and-protocol-based-vlan}?
|   +--rw db-index      uint16
|   +--rw frame-format-type? dot1qtypes:protocol-frame-format-type
|   +--rw (frame-format)?
|   |   +---:(ethernet-rfc1042-snap8021H)
|   |   |   +--rw ethertype? dot1qtypes:ethertype-type
|   |   +---:(snap-other)
|   |   |   +--rw protocol-id? string
|   |   +---:(llc-other)
|   |   |   +--rw dsap-ssap-pairs
|   |   |   |   +--rw llc-address? string
|   +--rw group-id?    uint32
+--rw vid-to-fid-allocation* [vids]
|   +--rw vids         dot1qtypes:vid-range-type
|   +--ro fid?         uint32
|   +--ro allocation-type? enumeration
+--rw fid-to-vid-allocation* [fid]
|   +--rw fid         uint32
|   +--ro allocation-type? enumeration
|   +--ro vid*       dot1qtypes:vlan-index-type
+--rw vid-to-fid* [vid]
|   +--rw vid dot1qtypes:vlan-index-type
|   +--rw fid? uint32
+--rw bridge-mst
|   +--rw mstid* dot1qtypes:mstid-type
|   +--rw fid-to-mstid* [fid]
|   |   +--rw fid      uint32
|   |   +--rw mstid? dot1qtypes:mstid-type
|   +--rw fid-to-mstid-allocation* [fids]
|   |   +--rw fids dot1qtypes:vid-range-type
|   |   +--rw mstid? dot1qtypes:mstid-type
+--rw bridge-sfsg:stream-gates
|   +--rw bridge-sfsg:stream-gate-instance-table* [stream-gate-instance-id]
|   |   +--rw bridge-sfsg:stream-gate-instance-id      uint32
|   |   +--rw bridge-sfsg:gate-enable?                boolean
|   |   +--rw bridge-sfsg:admin-gate-states?          gate-state-value-type
|   |   +--rw bridge-sfsg:admin-ipv?                  ipv-spec-type
|   +--ro bridge-sfsg:max-stream-gate-instances?     uint32
+--rw bridge-sfsg:stream-filters
|   +--rw bridge-sfsg:stream-filter-instance-table* [stream-filter-instance-id]
|   |   +--rw bridge-sfsg:stream-filter-instance-id    uint32
|   |   +--rw (bridge-sfsg:stream-handle-spec)?
|   |   |   +---:(bridge-sfsg:wildcard)
|   |   |   |   +--rw bridge-sfsg:wildcard?            empty
|   |   |   +---:(bridge-sfsg:stream-handle)
|   |   |   |   +--rw bridge-sfsg:stream-handle        uint32
|   |   +--rw bridge-sfsg:priority-spec                priority-spec-type
|   |   +--rw bridge-sfsg:max-sdu-size                 uint32
|   |   +--rw bridge-sfsg:stream-blocked-due-to-oversize-frame-enabled? boolean
|   |   +--rw bridge-sfsg:stream-blocked-due-to-oversize-frame? boolean
|   |   +--rw bridge-sfsg:stream-gate-ref              -> ../../../../stream-gates/stream-gate-instance-table/stream-gate-instance-id
|   +--ro bridge-sfsg:max-stream-filter-instances?    uint32
+--rw bridge-ci:ci-master-enable? boolean {bridge-congestion-isolation}?
+--ro bridge-ci:ci-cim-tx-priority? dot1q-types:priority-type {bridge-congestion-isolation}?
+--ro bridge-ci:ci-max-flow-life?   uint32 {bridge-congestion-isolation}?
+--rw bridge-ci:ci-peers {bridge-congestion-isolation}?
|   +--rw bridge-ci:ci-peer-table* [reception-port]
|   |   +--rw bridge-ci:reception-port dot1q-types:port-number-type
|   |   +--rw bridge-ci:cim-type?     enumeration
|   |   +--rw bridge-ci:peer-mac-address? ieee:mac-address

```



```

| | +--rw bridge-ci:peer-ipv4-address? inet:ipv4-address
| | +--rw bridge-ci:peer-ipv6-address? inet:ipv6-address
| | +--rw bridge-ci:peer-udp-port? inet:port-number
| | +--rw bridge-ci:peer-cim-encap-len? uint16
+--ro bridge-ci:max-ci-peer-entries? uint32
+--rw bridge-ci:ci-streams {bridge-congestion-isolation}?
| +--ro bridge-ci:ci-stream-table* [stream-handle-id]
| | +--ro bridge-ci:stream-handle-id uint32
| | +--ro bridge-ci:ci-count? uint16
| | +--ro bridge-ci:create-time? yang:timeticks
| | +--ro bridge-ci:create-mask? bits
+--ro bridge-ci:queue-key? uint16
+--ro bridge-ci:dest-mac-address? ieee:mac-address
+--ro bridge-ci:source-mac-address? ieee:mac-address
+--ro bridge-ci:vid? dot1q-types:vlan-index-type
+--ro bridge-ci:msdu? yang:hex-string
+--ro bridge-ci:max-ci-stream-entries? uint32 {bridge-congestion-isolation}?
+--rw bridge-ci:stream-gates {bridge-congestion-isolation}?
| +--rw bridge-ci:stream-gate-instance-table* [stream-gate-instance-id]
| | +--rw bridge-ci:stream-gate-instance-id uint32
| | +--rw bridge-ci:gate-enable? boolean
| | +--rw bridge-ci:admin-gate-states? gate-state-value-type
| | +--rw bridge-ci:admin-ipv? ipv-spec-type
+--ro bridge-ci:max-stream-gate-instances? uint32
+--rw bridge-ci:stream-filters {bridge-congestion-isolation}?
+--rw bridge-ci:stream-filter-instance-table* [stream-filter-instance-id]
| +--rw bridge-ci:stream-filter-instance-id uint32
| +--rw (bridge-ci:stream-handle-spec)?
| | +--:(bridge-ci:wildcard)
| | | +--rw bridge-ci:wildcard? empty
| | +--:(bridge-ci:stream-handle)
| | | +--rw bridge-ci:stream-handle uint32
| | +--:(bridge-ci:null-handle) {bridge-congestion-isolation}?
| | | +--rw bridge-ci:null-handle? empty
| +--rw bridge-ci:priority-spec priority-spec-type
| +--rw bridge-ci:max-sdu-size uint32
| +--rw bridge-ci:stream-blocked-due-to-oversize-frame-enabled? boolean
| +--rw bridge-ci:stream-blocked-due-to-oversize-frame? boolean
| +--rw bridge-ci:stream-gate-ref -> ../../../../stream-gates/stream-gate-instance-table/stream-gate-instance-id
+--ro bridge-ci:max-stream-filter-instances? uint32
+--rw bridge-ats:stream-gates
| +--rw bridge-ats:stream-gate-instance-table* [stream-gate-instance-id]
| | +--rw bridge-ats:stream-gate-instance-id uint32
| | +--rw bridge-ats:gate-enable? boolean
| | +--rw bridge-ats:admin-gate-states? gate-state-value-type
| | +--rw bridge-ats:admin-ipv? ipv-spec-type
+--ro bridge-ats:max-stream-gate-instances? uint32
+--rw bridge-ats:stream-filters
+--rw bridge-ats:stream-filter-instance-table* [stream-filter-instance-id]
| +--rw bridge-ats:stream-filter-instance-id uint32
| +--rw (bridge-ats:stream-handle-spec)?
| | +--:(bridge-ats:wildcard)
| | | +--rw bridge-ats:wildcard? empty
| | +--:(bridge-ats:stream-handle)
| | | +--rw bridge-ats:stream-handle uint32
| +--rw bridge-ats:priority-spec priority-spec-type
| +--rw bridge-ats:max-sdu-size uint32
| +--rw bridge-ats:stream-blocked-due-to-oversize-frame-enabled? boolean
| +--rw bridge-ats:stream-blocked-due-to-oversize-frame? boolean
| +--rw bridge-ats:stream-gate-ref -> ../../../../stream-gates/stream-gate-instance-table/stream-gate-instance-id
+--rw bridge-ats:schedulers
| +--rw bridge-ats:scheduler-instance-table* [scheduler-instance-id]
| | +--rw bridge-ats:scheduler-instance-id uint32
| | +--rw bridge-ats:committed-information-rate uint64
| | +--rw bridge-ats:committed-burst-size uint32

```

```

| | | +--rw bridge-ats:scheduler-group-ref          -> ../../../../scheduler-groups/scheduler-group-instance-table/scheduler-group-instance-id
| | | +--ro bridge-ats:max-scheduler-instances?    uint32
+--rw bridge-ats:scheduler-groups
| | | +--rw bridge-ats:scheduler-group-instance-table* [scheduler-group-instance-id]
| | | | +--rw bridge-ats:scheduler-group-instance-id    uint32
| | | | +--rw bridge-ats:max-residence-time          uint32
| | | +--ro bridge-ats:max-scheduler-group-instances?    uint32
+--rw bridge-ats:scheduler-timing-characteristics
| | | +--ro bridge-ats:scheduler-timing-characteristics-table* [reception-port transmission-port]
| | | | +--ro bridge-ats:reception-port              dot1qtypes:port-number-type
| | | | +--ro bridge-ats:transmission-port           dot1qtypes:port-number-type
| | | | +--ro bridge-ats:clock-offset-variation-max  uint32
| | | | +--ro bridge-ats:clock-rate-deviation-max   uint32
| | | | +--ro bridge-ats:arrival-recognition-delay-max  uint32
| | | | +--ro bridge-ats:processing-delay-min        uint32
| | | | +--ro bridge-ats:processing-delay-max        uint32
+--rw bridge-ats:scheduler
| | | +--rw bridge-ats:scheduler-ref?              -> ../../../../schedulers/scheduler-instance-table/scheduler-instance-id
| | | +--rw bridge-ats:scheduler-enable?          boolean
+--ro bridge-ats:max-stream-filter-instances?    uint32

```

module: ieee802-dot1q-congestion-isolation

```

+--rw stream-gates
| | | +--rw stream-gate-instance-table* [stream-gate-instance-id]
| | | | +--rw stream-gate-instance-id    uint32
| | | | +--rw gate-enable?              boolean
| | | | +--rw admin-gate-states?        gate-state-value-type
| | | | +--rw admin-ipv?                 ipv-spec-type
| | | +--ro max-stream-gate-instances?  uint32
+--rw stream-filters
| | | +--rw stream-filter-instance-table* [stream-filter-instance-id]
| | | | +--rw stream-filter-instance-id    uint32
| | | | +--rw (stream-handle-spec)?
| | | | | +--:(wildcard)
| | | | | | +--rw wildcard?                empty
| | | | | +--:(stream-handle)
| | | | | | +--rw stream-handle            uint32
| | | | | +--:(null-handle) {congestion-isolation}?
| | | | | | +--rw null-handle?            empty
| | | | +--rw priority-spec              priority-spec-type
| | | | +--rw max-sdu-size                uint32
| | | | +--rw stream-blocked-due-to-oversize-frame-enabled?  boolean
| | | | +--rw stream-blocked-due-to-oversize-frame?          boolean
| | | | +--rw stream-gate-ref              -> ../../../../stream-gates/stream-gate-instance-table/stream-gate-instance-id
+--ro max-stream-filter-instances?    uint32

```

grouping cip-port-parameters

```

+--ro cip-mac-address?    ieee:mac-address
+--ro cip-ipv4-address?    inet:ipv4-address
+--ro cip-ipv6-address?    inet:ipv6-address
+--ro cip-cim-port?        inet:port-number
+-- queue-map* [priority]
| | | +-- priority?          dot1q-types:priority-type
| | | +-- abs-traffic-class-plus-one?  abs-traffic-class-plus-one-type
+-- min-header-octets?    uint16
+-- max-cim-tx?            uint16

```

grouping cip-parameters

```

+-- ci-master-enable?          boolean
+--ro ci-cim-tx-priority?      dot1q-types:priority-type
+--ro ci-max-flow-life?        uint32
+-- ci-peers
| | | +-- ci-peer-table* [reception-port]
| | | | +-- reception-port?    dot1q-types:port-number-type
| | | | +-- cim-type?          enumeration
| | | | +-- peer-mac-address?   ieee:mac-address

```

```

| | +-- peer-ipv4-address?   inet:ipv4-address
| | +-- peer-ipv6-address?   inet:ipv6-address
| | +-- peer-udp-port?       inet:port-number
| | +-- peer-cim-encap-len?  uint16
| +--ro max-ci-peer-entries? uint32
+-- ci-streams
| +--ro ci-stream-table* [stream-handle-id]
| | +--ro stream-handle-id?  uint32
| | +--ro cim-count?         uint16
| | +--ro create-time?       yang:timeticks
| | +--ro create-mask?       bits
| +--ro queue-key?           uint16
+--ro dest-mac-address?      ieee:mac-address
+--ro source-mac-address?    ieee:mac-address
+--ro vid?                   dot1q-types:vlan-index-type
+--ro msdu?                   yang:hex-string
+--ro max-ci-stream-entries? uint32

```

module: ieee802-dot1q-lldp-basic-tlv

```

grouping port-vlan-id-tlv
+-- port-vlan-id? dot1qtypes:vlanid
grouping port-and-protocol-vlan-id-tlv
+-- port-vlan-id? dot1qtypes:vlanid
+-- flags?        bits
grouping port-vlan-name-tlv
+-- vlan-id?      dot1qtypes:vlanid
+-- port-vlan-name? string
grouping protocol-identity-tlv
+-- protocol-identity? string
grouping vid-usage-digest-tlv
+--ro vid-usage-digest? uint32
grouping management-vid-tlv
+-- management-vid? dot1qtypes:vlanid
grouping link-aggregation-tlv
+-- aggregation-status? bits
+-- aggregated-port-id?  uint32

```

module: ieee802-dot1q-lldp-ci-tlv

```

grouping congestion-isolation-tlv
+-- queue-map* [priority]
| +-- priority? dot1q-types:priority-type
| +-- queue-config? dot1q-ci:abs-traffic-class-plus-one-type
+-- cim-encap-length? uint16
+--ro mac-address?    ieee:mac-address
+--ro udp-port-number? inet:port-number
+--ro ip-address?     inet:ip-address

```

module: ieee802-dot1q-lldp-cn-tlv

```

grouping congestion-notification-tlv
+-- per-priority-xmit-cnpv-capable? congestion-notification-bit-vector
+-- per-priority-xmit-ready?        congestion-notification-bit-vector

```

module: ieee802-dot1q-lldp-dcbx-tlv

```

grouping ets-configuration-tlv
+-- willing?                boolean
+-- credit-based-shaper?    boolean
+-- traffic-classes-supported? dot1q-types:num-traffic-class-type
+-- priority-assignment-table* [priority]
| +-- priority?              dot1q-types:priority-type
| +-- priority-traffic-class? dot1q-types:traffic-class-type
| +-- transmission-selection-algorithm? identityref

```

```

+-- tc-bandwidth-table* [traffic-class]
| +-- traffic-class?          dot1q-types:traffic-class-type
| +-- percentage-bandwidth?  uint8
+-- tsa-assignment-table* [tsa-traffic-class]
  +-- tsa-traffic-class?      dot1q-types:traffic-class-type
  +-- transmission-selection-algorithm?  identityref
grouping ets-recommendation-tlv
+-- priority-assignment-table* [priority]
| +-- priority?               dot1q-types:priority-type
| +-- priority-traffic-class? dot1q-types:traffic-class-type
+-- tc-bandwidth-table* [traffic-class]
| +-- traffic-class?          dot1q-types:traffic-class-type
| +-- percentage-bandwidth?  uint8
+-- tsa-assignment-table* [tsa-traffic-class]
  +-- tsa-traffic-class?      dot1q-types:traffic-class-type
  +-- transmission-selection-algorithm?  identityref
grouping pfc-tlv
+-- willing?                  boolean
+-- macsec-bypass-capable?    boolean
+-- number-tc-capable?        dot1q-types:num-traffic-class-type
+-- enable?                   bits
grouping application-priority-tlv
+-- application-priority-table* [application-priority]
  +-- application-priority?    dot1q-types:priority-type
  +-- application-priority-selector?  identityref
  +-- application-priority-protocol?  uint16
grouping application-vlan-tlv
+-- application-vlan-table* [application-vlan]
  +-- application-vlan?        dot1q-types:vlanid
  +-- application-vlan-selector?  identityref
  +-- application-vlan-protocol?  uint16

module: ieee802-dot1q-lldp-evb-tlv

grouping evb-tlv
+--ro evb-tlv-info-string?  binary
grouping cdcp-tlv
+--ro cdcp-tlv-info-string?  binary

module: ieee802-dot1q-lldp-tr-tlv

grouping topology-recognition-tlv-lldp
+--ro device-type?          enumeration
+-- topology-level?         uint8
grouping topology-recognition-tlv-port
+-- port-orientation?       enumeration

module: ieee802-dot1q-stream-filters-gates

grouping sfsg-parameters
+-- stream-gates
| +-- stream-gate-instance-table* [stream-gate-instance-id]
| | +-- stream-gate-instance-id?  uint32
| | +-- gate-enable?              boolean
| | +-- admin-gate-states?        gate-state-value-type
| | +-- admin-ipv?                ipv-spec-type
| +--ro max-stream-gate-instances?  uint32
+-- stream-filters
+-- stream-filter-instance-table* [stream-filter-instance-id]
| +-- stream-filter-instance-id  uint32
| +-- (stream-handle-spec)?
| | +--:(wildcard)
| | | +-- wildcard?              empty
| | +--:(stream-handle)
| | +-- stream-handle            uint32

```

```

| +-- priority-spec          priority-spec-type
| +-- max-sdu-size          uint32
| +-- stream-blocked-due-to-oversize-frame-enabled?  boolean
| +-- stream-blocked-due-to-oversize-frame?         boolean
| +-- stream-gate-ref      -> ../../../../stream-gates/stream-gate-instance-table/stream-gate-instance-id
+--ro max-stream-filter-instances?  uint32

```

module: ieee802-dot1q-types

```

grouping dot1q-tag-classifier-grouping
+-- tag-type      dot1q-tag-type
+-- vlan-id      vlanid
grouping dot1q-tag-or-any-classifier-grouping
+-- tag-type      dot1q-tag-type
+-- vlan-id      union
grouping dot1q-tag-ranges-classifier-grouping
+-- tag-type      dot1q-tag-type
+-- vlan-ids      vid-range-type
grouping dot1q-tag-ranges-or-any-classifier-grouping
+-- tag-type      dot1q-tag-type
+-- vlan-id      union
grouping priority-regeneration-table-grouping
+-- priority0?    priority-type
+-- priority1?    priority-type
+-- priority2?    priority-type
+-- priority3?    priority-type
+-- priority4?    priority-type
+-- priority5?    priority-type
+-- priority6?    priority-type
+-- priority7?    priority-type
grouping pcp-decoding-table-grouping
+-- pcp-decoding-map* [pcpl]
+-- pcp?           pcp-selection-type
+-- priority-map* [priority-code-point]
+-- priority-code-point?  priority-type
+-- priority?      priority-type
+-- drop-eligible?  boolean
grouping pcp-encoding-table-grouping
+-- pcp-encoding-map* [pcpl]
+-- pcp?           pcp-selection-type
+-- priority-map* [priority dei]
+-- priority?      priority-type
+-- dei?           boolean
+-- priority-code-point?  priority-type
grouping service-access-priority-table-grouping
+-- priority0?    priority-type
+-- priority1?    priority-type
+-- priority2?    priority-type
+-- priority3?    priority-type
+-- priority4?    priority-type
+-- priority5?    priority-type
+-- priority6?    priority-type
+-- priority7?    priority-type
grouping traffic-class-table-grouping
+-- traffic-class-map* [priority]
+-- priority?      priority-type
+-- available-traffic-class* [num-traffic-class]
+-- num-traffic-class?  uint8
+-- traffic-class?  traffic-class-type
grouping port-map-grouping
+-- port-map* [port-ref]
+-- port-ref?      port-number-type
+-- (map-type)?
+--:(static-filtering-entries)
| +-- static-filtering-entries

```

```

|     +-- control-element?      enumeration
|     +-- connection-identifier? port-number-type
+---:(static-vlan-registration-entries)
|     +-- static-vlan-registration-entries
|     +-- registrar-admin-control? enumeration
|     +-- vlan-transmitted?    enumeration
+---:(mac-address-registration-entries)
|     +-- mac-address-registration-entries
|     +-- control-element?    enumeration
+---:(dynamic-vlan-registration-entries)
|     +-- dynamic-vlan-registration-entries
|     +-- control-element?    enumeration
+---:(dynamic-reservation-entries)
|     +-- dynamic-reservation-entries
|     +-- control-element?    enumeration
+---:(dynamic-filtering-entries)
|     +-- dynamic-filtering-entries
|     +-- control-element?    enumeration
grouping bridge-port-statistics-grouping
+-- delay-exceeded-discards?   yang:counter64
+-- mtu-exceeded-discards?    yang:counter64
+-- frame-rx?                  yang:counter64
+-- octets-rx?                  yang:counter64
+-- frame-tx?                  yang:counter64
+-- octets-tx?                  yang:counter64
+-- discard-inbound?           yang:counter64
+-- forward-outbound?         yang:counter64
+-- discard-lack-of-buffers?   yang:counter64
+-- discard-transit-delay-exceeded? yang:counter64
+-- discard-on-error?         yang:counter64

module: ietf-interfaces
+--rw interfaces
|   +--rw interface* [name]
|   |   +--rw name                string
|   |   +--rw description?       string
|   |   +--rw type                identityref
|   |   +--rw enabled?           boolean
|   |   +--rw link-up-down-trap-enable? enumeration {if-mib}?
|   |   +--ro admin-status       enumeration {if-mib}?
|   |   +--ro oper-status        enumeration
|   |   +--ro last-change?       yang:date-and-time
|   |   +--ro if-index           int32 {if-mib}?
|   |   +--ro phys-address?      yang:phys-address
|   |   +--ro higher-layer-if*   interface-ref
|   |   +--ro lower-layer-if*   interface-ref
|   |   +--ro speed?            yang:gauge64
|   +--ro statistics
|   |   +--ro discontinuity-time yang:date-and-time
|   |   +--ro in-octets?         yang:counter64
|   |   +--ro in-unicast-pkts?   yang:counter64
|   |   +--ro in-broadcast-pkts? yang:counter64
|   |   +--ro in-multicast-pkts? yang:counter64
|   |   +--ro in-discards?       yang:counter32
|   |   +--ro in-errors?         yang:counter32
|   |   +--ro in-unknown-protos? yang:counter32
|   |   +--ro out-octets?        yang:counter64
|   |   +--ro out-unicast-pkts?  yang:counter64
|   |   +--ro out-broadcast-pkts? yang:counter64
|   |   +--ro out-multicast-pkts? yang:counter64
|   |   +--ro out-discards?      yang:counter32
|   |   +--ro out-errors?       yang:counter32
+--rw dot1q:bridge-port
|   +--rw dot1q:component-name? string
|   +--rw dot1q:port-type?     identityref

```

```

+--rw dotlq:pvid?                               dotlqtypes:vlan-index-type
+--rw dotlq:default-priority?                   dotlqtypes:priority-type
+--rw dotlq:priority-regeneration
| +--rw dotlq:priority0?   priority-type
| +--rw dotlq:priority1?   priority-type
| +--rw dotlq:priority2?   priority-type
| +--rw dotlq:priority3?   priority-type
| +--rw dotlq:priority4?   priority-type
| +--rw dotlq:priority5?   priority-type
| +--rw dotlq:priority6?   priority-type
| +--rw dotlq:priority7?   priority-type
+--rw dotlq:pcp-selection?                       dotlqtypes:pcp-selection-type
+--rw dotlq:pcp-decoding-table
| +--rw dotlq:pcp-decoding-map* [pcp]
| | +--rw dotlq:pcp                pcp-selection-type
| | +--rw dotlq:priority-map* [priority-code-point]
| | | +--rw dotlq:priority-code-point  priority-type
| | | +--rw dotlq:priority?           priority-type
| | | +--rw dotlq:drop-eligible?      boolean
+--rw dotlq:pcp-encoding-table
| +--rw dotlq:pcp-encoding-map* [pcp]
| | +--rw dotlq:pcp                pcp-selection-type
| | +--rw dotlq:priority-map* [priority dei]
| | | +--rw dotlq:priority          priority-type
| | | +--rw dotlq:dei              boolean
| | | +--rw dotlq:priority-code-point?  priority-type
+--rw dotlq:use-dei?                           boolean
+--rw dotlq:drop-encoding?                     boolean
+--rw dotlq:service-access-priority-selection?  boolean
+--rw dotlq:service-access-priority
| +--rw dotlq:priority0?   priority-type
| +--rw dotlq:priority1?   priority-type
| +--rw dotlq:priority2?   priority-type
| +--rw dotlq:priority3?   priority-type
| +--rw dotlq:priority4?   priority-type
| +--rw dotlq:priority5?   priority-type
| +--rw dotlq:priority6?   priority-type
| +--rw dotlq:priority7?   priority-type
+--rw dotlq:traffic-class
| +--rw dotlq:traffic-class-map* [priority]
| | +--rw dotlq:priority          priority-type
| | +--rw dotlq:available-traffic-class* [num-traffic-class]
| | | +--rw dotlq:num-traffic-class  uint8
| | | +--rw dotlq:traffic-class?    traffic-class-type
+--rw dotlq:acceptable-frame?                 enumeration
+--rw dotlq:enable-ingress-filtering?         boolean
+--rw dotlq:enable-restricted-vlan-registration?  boolean
+--rw dotlq:enable-vid-translation-table?       boolean
+--rw dotlq:enable-egress-vid-translation-table?  boolean
+--rw dotlq:protocol-group-vid-set* [group-id] {port-and-protocol-based-vlan}?
| +--rw dotlq:group-id  uint32
| +--rw dotlq:vid*      dotlqtypes:vlanid
+--rw dotlq:admin-point-to-point?             enumeration
+--ro dotlq:protocol-based-vlan-classification?  boolean {port-and-protocol-based-vlan}?
+--ro dotlq:max-vid-set-entries?               uint16 {port-and-protocol-based-vlan}?
+--ro dotlq:port-number?                      dotlqtypes:port-number-type
+--ro dotlq:address?                          ieee:mac-address
+--ro dotlq:capabilities?                     bits
+--ro dotlq:type-capabilities?                bits
+--ro dotlq:external?                         boolean
+--ro dotlq:oper-point-to-point?              boolean
+--ro dotlq:media-dependent-overhead?         uint8
+--ro dotlq:statistics
| +--ro dotlq:delay-exceeded-discards?        yang:counter64
| +--ro dotlq:mtu-exceeded-discards?          yang:counter64

```

```

| +--ro dot1q:frame-rx?                yang:counter64
| +--ro dot1q:octets-rx?              yang:counter64
| +--ro dot1q:frame-tx?              yang:counter64
| +--ro dot1q:octets-tx?             yang:counter64
| +--ro dot1q:discard-inbound?       yang:counter64
| +--ro dot1q:forward-outbound?      yang:counter64
| +--ro dot1q:discard-lack-of-buffers? yang:counter64
| +--ro dot1q:discard-transit-delay-exceeded? yang:counter64
| +--ro dot1q:discard-on-error?       yang:counter64
| +--ro dot1q:discard-on-ingress-filtering? yang:counter64 {ingress-filtering}?
+--rw dot1q:vid-translations* [local-vid]
| +--rw dot1q:local-vid   dot1qtypes:vlanid
| +--rw dot1q:relay-vid?  dot1qtypes:vlanid
+--rw dot1q:egress-vid-translations* [relay-vid]
| +--rw dot1q:relay-vid   dot1qtypes:vlanid
| +--rw dot1q:local-vid?  dot1qtypes:vlanid
+--ro bridge-ci:cip-mac-address?      ieee:mac-address {bridge-congestion-isolation}?
+--ro bridge-ci:cip-ipv4-address?     inet:ipv4-address {bridge-congestion-isolation}?
+--ro bridge-ci:cip-ipv6-address?     inet:ipv6-address {bridge-congestion-isolation}?
+--ro bridge-ci:cip-cim-port?         inet:port-number {bridge-congestion-isolation}?
+--rw bridge-ci:queue-map* [priority] {bridge-congestion-isolation}?
| +--rw bridge-ci:priority             dot1q-types:priority-type
| +--rw bridge-ci:abs-traffic-class-plus-one? abs-traffic-class-plus-one-type
+--rw bridge-ci:min-header-octets?    uint16 {bridge-congestion-isolation}?
+--rw bridge-ci:max-cim-tx?           uint16 {bridge-congestion-isolation}?
+--ro bridge-ats:discarded-frames-count? yang:counter64
x--ro interfaces-state
  x--ro interface* [name]
    x--ro name                string
    x--ro type                 identityref
    x--ro admin-status        enumeration {if-mib}?
    x--ro oper-status         enumeration
    x--ro last-change?        yang:date-and-time
    x--ro if-index            int32 {if-mib}?
    x--ro phys-address?       yang:phys-address
    x--ro higher-layer-if*    interface-state-ref
    x--ro lower-layer-if*    interface-state-ref
    x--ro speed?              yang:gauge64
    x--ro statistics
      x--ro discontinuity-time yang:date-and-time
      x--ro in-octets?          yang:counter64
      x--ro in-unicast-pkts?    yang:counter64
      x--ro in-broadcast-pkts? yang:counter64
      x--ro in-multicast-pkts? yang:counter64
      x--ro in-discards?        yang:counter32
      x--ro in-errors?          yang:counter32
      x--ro in-unknown-protos? yang:counter32
      x--ro out-octets?         yang:counter64
      x--ro out-unicast-pkts?   yang:counter64
      x--ro out-broadcast-pkts? yang:counter64
      x--ro out-multicast-pkts? yang:counter64
      x--ro out-discards?       yang:counter32
      x--ro out-errors?         yang:counter32
module: ietf-routing
+--rw routing
| +--rw router-id?            yang:dotted-quad {router-id}?
| +--ro interfaces
| | +--ro interface*   if:interface-ref
+--rw control-plane-protocols
| +--rw control-plane-protocol* [type name]
| | +--rw type          identityref
| | +--rw name          string
| | +--rw description?  string
| | +--rw static-routes

```



```

+--rw ribs
  +--rw rib* [name]
    +--rw name          string
    +--rw address-family identityref
    +--ro default-rib?  boolean {multiple-ribs}?
    +--ro routes
      +--ro route* []
        +--ro route-preference? route-preference
        +--ro next-hop
          +--ro (next-hop-options)
            +--:(simple-next-hop)
            | +--ro outgoing-interface?  if:interface-ref
            +--:(special-next-hop)
            | +--ro special-next-hop?    enumeration
            +--:(next-hop-list)
            +--ro next-hop-list
              +--ro next-hop* []
                +--ro outgoing-interface?  if:interface-ref
        +--ro source-protocol  identityref
        +--ro active?         empty
        +--ro last-updated?   yang:date-and-time
    +---x active-route
      +--ro output
        +--ro route
          +--ro next-hop
            +--ro (next-hop-options)
              +--:(simple-next-hop)
              | +--ro outgoing-interface?  if:interface-ref
              +--:(special-next-hop)
              | +--ro special-next-hop?    enumeration
              +--:(next-hop-list)
              +--ro next-hop-list
                +--ro next-hop* []
                  +--ro outgoing-interface?  if:interface-ref
          +--ro source-protocol  identityref
          +--ro active?         empty
          +--ro last-updated?   yang:date-and-time
        +--rw description?     string
o--ro routing-state
+--ro router-id?             yang:dotted-quad
o--ro interfaces
| o--ro interface*  if:interface-state-ref
o--ro control-plane-protocols
| o--ro control-plane-protocol* [type name]
|   o--ro type  identityref
|   o--ro name  string
o--ro ribs
  o--ro rib* [name]
    o--ro name          string
    +--ro address-family identityref
    o--ro default-rib?  boolean {multiple-ribs}?
    o--ro routes
      o--ro route* []
        o--ro route-preference? route-preference
        o--ro next-hop
          +--ro (next-hop-options)
            +--:(simple-next-hop)
            | +--ro outgoing-interface?  if:interface-ref
            +--:(special-next-hop)
            | +--ro special-next-hop?    enumeration
            +--:(next-hop-list)
            +--ro next-hop-list
              +--ro next-hop* []
                +--ro outgoing-interface?  if:interface-ref
          +--ro source-protocol  identityref

```

```

|   +--ro active?          empty
|   +--ro last-updated?   yang:date-and-time
o---x active-route
  +--ro output
    o--ro route
      o--ro next-hop
        +--ro (next-hop-options)
          +--:(simple-next-hop)
          | +--ro outgoing-interface?  if:interface-ref
          +--:(special-next-hop)
          | +--ro special-next-hop?    enumeration
          +--:(next-hop-list)
            +--ro next-hop-list
              +--ro next-hop* []
              +--ro outgoing-interface?  if:interface-ref
        +--ro source-protocol  identityref
        +--ro active?         empty
        +--ro last-updated?   yang:date-and-time

```

```

grouping address-family
  +-- address-family  identityref
grouping router-id
  +-- router-id?     yang:dotted-quad
grouping special-next-hop
  +-- special-next-hop?  enumeration
grouping next-hop-content
  +-- (next-hop-options)
    +--:(simple-next-hop)
    | +-- outgoing-interface?  if:interface-ref
    +--:(special-next-hop)
    | +-- special-next-hop?    enumeration
    +--:(next-hop-list)
      +-- next-hop-list
        +-- next-hop* [index]
          +-- index?          string
          +-- outgoing-interface?  if:interface-ref
grouping next-hop-state-content
  +-- (next-hop-options)
    +--:(simple-next-hop)
    | +-- outgoing-interface?  if:interface-ref
    +--:(special-next-hop)
    | +-- special-next-hop?    enumeration
    +--:(next-hop-list)
      +-- next-hop-list
        +-- next-hop* []
        +-- outgoing-interface?  if:interface-ref
grouping route-metadata
  +-- source-protocol  identityref
  +-- active?         empty
  +-- last-updated?   yang:date-and-time

```