

```

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

```

```

+--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? dot1qtypes: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    dot1qtypes: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 cdcv-tlv
+--ro cdcv-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

```