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]
| | ++ro stream-handle? [stream-handle]*
| | | | ++rw stream-handle? uint32
| | | | ++ro wildcard? empty
| | | | ++ro stream-handle? empty
| | | | ++ro priority-spec? priority-spec-type
| | | | ++ro max-sdu-size? uint32
| | | | ++ro stream-blocked-due-to-oversize-frame-enabled? boolean
| | | | ++ro stream-blocked-due-to-oversize-frame? boolean
| | ++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:priorty-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
| +--ci-cim-tx-priority? dot1q-types:priorty-type
| +--ci-max-flow-life? uint32
| +--ci-peers
| | +-- ci-peer-table* [ci-peer]
| | | | +-- reception-port? dot1q-types:port-number-type
| | | | | ++ ci-type? enumeration
| | | | | ++ peer-mac-address? ieee:mac-address
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-1ldp-evb-tlv

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

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

module: ieee802-dot1q-1ldp-tr-tlv

grouping topology-recognition-tlv-1ldp
  ++ 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
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?  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?  pcp-selection-type
    +++ pcp?  pcp-dei
        +++ 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* [traffic-class]
    +++ priority?  priority-type
    +++ available-traffic-class* [num-traffic-class]
    +++ available-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
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 
    | | | +++ro dot1q:bridge-port
    | | | | +++ro dot1q:component-name? string 
    | | | | +++ro dot1q:port-type? identityref
++-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 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 active? empty
  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |- ++-ro last-updated? yang:date-and-time
  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |- ++-x description? string
  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |- o--ro routing-state
  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |- o--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 name string
  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    o--ro rib* [name]
  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    o--ro default-rib? boolean {multiple-ribs}?
  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    o--ro routes
  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    o--ro route* []