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module: ieee802-dot1ae
augment /if:interfaces/if:interface:
  +--rw secy
    +--rw secy* [controlled-port-number]
      | +--rw controlled-port-number   dot1x-types:pae-if-index
      | +--rw verification
      | | +--ro max-receive-channels?  uint8
      | | +--ro max-receive-keys?     uint8
      | | +--rw validate-frames?      enumeration
      | | +--rw replay-protect?       boolean
      | | +--rw replay-window?        uint32
      | | +--ro in-pkts-untagged?     yang:counter64
      | | +--ro in-pkts-no-tag?       yang:counter64
      | | +--ro in-pkts-bad-tag?      yang:counter64
      | | +--ro in-pkts-no-sa?        yang:counter64
      | | +--ro in-pkts-no-sa-error?  yang:counter64
      | | +--ro in-pkts-overflow?     yang:counter64
      | | +--ro in-octets-validated?  yang:counter64
      | | +--ro in-octets-decrypted?  yang:counter64
      | | +--ro receive-sci* [sci]
      | | | +--ro sci                  dotlaetypes:sec-sci-type
      | | | +--ro created-time?       yang:date-and-time
      | | | +--ro started-time?       yang:date-and-time
      | | | +--ro stopped-time?       yang:date-and-time
      | | | +--ro receiving?          boolean
      | | | +--ro in-pkts-ok?         yang:counter64
      | | | +--ro in-pkts-unchecked?  yang:counter64
      | | | +--ro in-pkts-delayed?    yang:counter64
      | | | +--ro in-pkts-late?       yang:counter64
      | | | +--ro in-pkts-invalid?    yang:counter64
      | | | +--ro in-pkts-not-valid?  yang:counter64
      | | | +--ro receive-sa* [rxa]
      | | | | +--ro in-use?            boolean
      | | | | +--ro ssci?             uint32
      | | | | +--ro next-pn?          dotlaetypes:sec-pn-type
      | | | | +--ro created-time?     yang:date-and-time
      | | | | +--ro started-time?     yang:date-and-time
      | | | | +--ro stopped-time?     yang:date-and-time
      | | | | +--ro rxa               dotlaetypes:sec-an-type
      | | | | +--ro lowest-pn?        dotlaetypes:sec-pn-type
      | | | | +--ro enable-receive?   boolean
      | | | | +--ro updt-next-pn?     dotlaetypes:sec-pn-type
      | | | | +--ro updt-lowest-pn?   dotlaetypes:sec-pn-type
      | | | | +--ro key-identifier?   dotlaetypes:sec-key-identifier-type
      | | +--rw generation
      | | | +--ro sci-base?           string
      | | | +--rw max-transmit-channels? uint16
      | | | +--rw max-transmit-keys?   uint16
      | | | +--rw protect-frames?      boolean
      | | | +--rw always-include-sci?  boolean
      | | | +--rw use-es?              boolean
      | | | +--rw use-scb?             boolean
      | | | +--ro including-sci?      boolean
      | | | +--ro out-pkts-untagged?   yang:counter64
      | | | +--ro out-pkts-too-long?   yang:counter64
      | | | +--ro out-octets-protected? yang:counter64
      | | | +--ro out-octets-encrypted? yang:counter64
      | | | +--rw user-priority-0
      | | | | +--rw traffic-class?    uint8
      | | | +--rw user-priority-1
      | | | | +--rw traffic-class?    uint8
      | | | +--rw user-priority-2
      | | | | +--rw traffic-class?    uint8
      | | | +--rw user-priority-3

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| | | +--rw traffic-class? uint8
| | +--rw user-priority-4
| | | +--rw traffic-class? uint8
| | +--rw user-priority-5
| | | +--rw traffic-class? uint8
| | +--rw user-priority-6
| | | +--rw traffic-class? uint8
| | +--rw user-priority-7
| | | +--rw traffic-class? uint8
| | +--rw user-pcp-0
| | | +--rw access-priority? uint8
| | +--rw user-pcp-1
| | | +--rw access-priority? uint8
| | +--rw user-pcp-2
| | | +--rw access-priority? uint8
| | +--rw user-pcp-3
| | | +--rw access-priority? uint8
| | +--rw user-pcp-4
| | | +--rw access-priority? uint8
| | +--rw user-pcp-5
| | | +--rw access-priority? uint8
| | +--rw user-pcp-6
| | | +--rw access-priority? uint8
| | +--rw user-pcp-7
| | | +--rw access-priority? uint8
| | +--rw user-pcp-8
| | | +--rw access-priority? uint8
| | +--rw user-pcp-9
| | | +--rw access-priority? uint8
| | +--rw user-pcp-10
| | | +--rw access-priority? uint8
| | +--rw user-pcp-11
| | | +--rw access-priority? uint8
| | +--rw user-pcp-12
| | | +--rw access-priority? uint8
| | +--rw user-pcp-13
| | | +--rw access-priority? uint8
| | +--rw user-pcp-14
| | | +--rw access-priority? uint8
| | +--rw user-pcp-15
| | | +--rw access-priority? uint8
| | +--ro transmit-sci* [sci]
| | | +--ro sci dotlaetypes:sec-sci-type
| | | +--ro created-time? yang:date-and-time
| | | +--ro started-time? yang:date-and-time
| | | +--ro stopped-time? yang:date-and-time
| | | +--ro transmitting? boolean
| | | +--ro encoding-sa? dotlaetypes:sec-an-type
| | | +--ro out-pkts-protected? yang:counter64
| | | +--ro out-pkts-encrypted? yang:counter64
| | | +--ro transmit-sa* [txa]
| | | | +--ro in-use? boolean
| | | | +--ro ssci? uint32
| | | | +--ro next-pn? dotlaetypes:sec-pn-type
| | | | +--ro created-time? yang:date-and-time
| | | | +--ro started-time? yang:date-and-time
| | | | +--ro stopped-time? yang:date-and-time
| | | | +--ro txa dotlaetypes:sec-an-type
| | | | +--ro confidentiality? boolean
| | | | +--ro key-identifier? dotlaetypes:sec-key-identifier-type
| | +--rw current-cipher-suite
| | | +--rw cipher-suite-identifier? dotlaetypes:sec-eui64-type
| | | +--rw data-key* [keys]
| | | | +--rw keys uint32
| | | | +--ro key-identifier? dotlaetypes:sec-key-identifier-type

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| |      +--ro transmits?          boolean
| |      +--ro receives?          boolean
| +--rw controlled-interface
| |      +--ro provided-interface? dot1x-types:pae-if-index
| |      +--ro mac-enabled?       boolean
| |      +--ro mac-operational?   boolean
| |      +--ro oper-point-to-point-mac? boolean
| |      +--rw admin-point-to-point-mac? enumeration
| |      +--ro controlled-port-enabled? boolean
| +--rw uncontrolled-interface
| |      +--ro provided-interface? dot1x-types:pae-if-index
| |      +--ro mac-enabled?       boolean
| |      +--ro mac-operational?   boolean
| |      +--ro oper-point-to-point-mac? boolean
| |      +--rw admin-point-to-point-mac? enumeration
| +--rw common-port
| |      +--ro common-port?       dot1x-types:pae-if-index
| +--rw cipher-suite-control* [implemented-cipher-suite]
| |      +--rw implemented-cipher-suite dot1aetypes:sec-eui64-type
| |      +--rw enable-use?         boolean
| |      +--rw require-confidentiality? boolean
+--rw cipher-suites* [cipher-suite]
  +--rw cipher-suite             dot1aetypes:sec-eui64-type
  +--ro name?                    string
  +--ro integrity-protection?    boolean
  +--ro confidentiality-protection? boolean
  +--ro offset-confidentiality?  boolean
  +--ro changes-data-length?     boolean
  +--ro icv-length?              uint16
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