Introduction

• This package provides “configuration instances” of various aspect of the P802.1Xck version D1.1 YANG modules
802.1 YANG Structure and Relationships

- The following hi-level YANG structure and relationships were defined
PAE Management Information Model

- The PAE management process controls and monitors the operation of each PAE’s component protocol entities and processes, providing access to operational controls, statistics and diagnostic capabilities.

- The management information that provides control over and reporting of these capabilities is summarized in the model to the right.
Example Host Accessing Network Access Point
— Physically secure point-to-point LAN
Example Network Access Point supporting Host
— Physically secure point-to-point LAN

```
<interfaces xc:operation="create">
  <interface>
    <name>if1</name>
    <type>ethernetCsmacd</type>
    <pae>
      <pae-system>aPAESystem</pae-system>
      <port-type>real-port</port-type>
      <logon-process>
        <logon>true</logon>
      </logon-process>
    </pae>
  </interface>
</interfaces>
<pae-system xc:operation="create">
  <name>aPAESystem</name>
  <system-access-control>enabled</system-access-control>
  <system-announcements>disabled</system-announcements>
</pae-system>
```
Example Network Access Point supporting Host — MACsec and point-to-point LAN

```
<interfaces xc:operation="create">
    <interface>
        <name>if1</name>
        <type>ethernetCsmacd</type>
        <pae>
            <pae-system>aPAESystem</pae-system>
            <port-type>real-port</port-type>
            <kay>
                <enable>true</enable>
                <macsec>
                    <capable>true</capable>
                </macsec>
            </kay>
            <listener>
                <enable>true</enable>
            </listener>
            <logon-process>
                <logon>true</logon>
            </logon-process>
        </pae>
    </interface>
</interfaces>
```
Example Network Access Point supporting Host — MACsec and multi-access LAN

```xml
<interfaces xc:operation="create">
  <interface>
    <name>if1</name>
    <type>ethernetCsmacd</type>
    <pae>
      <pae-system>aPAESystem</pae-system>
      <port-type>virtual-port</port-type>
      <vp-enable>true</vp-enable>
      <kay>
        <enable>true</enable>
        <macsec>
          <capable>true</capable>
        </macsec>
      </kay>
      <listener>
        <enable>true</enable>
      </listener>
      <logon-process>
        <logon>true</logon>
      </logon-process>
    </pae>
  </interface>
</interfaces>

<pae-system xc:operation="create">
  <name>aPAESystem</name>
  <system-access-control>enabled</system-access-control>
  <system-announcements>disabled</system-announcements>
</pae-system>
```