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:
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

```
<interfaces xc:operation="create">
  <interface>
    <name>if1</name>
    <type>ethernetCsmacd</type>
    <pae>
      <pae-system>aPAESystem</pae-system>
      <port-type>real-port</port-type>
      <port-capabilities>
        <sup>true</sup>
      </port-capabilities>
      <logon-process>
        <logon>true</logon>
      </logon-process>
    </pae>
  </interface>
</interfaces>
```
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>
      <port-capabilities>
        <auth>true</auth>
      </port-capabilities>
      <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>
      <port-capabilities>
        <auth>true</auth>
        <mka>true</mka>
        <macsec>true</macsec>
        <listener>true</listener>
      </port-capabilities>
      <kay>
        <enable>true</enable>
      </kay>
      <macsec>
        <capable>true</capable>
      </macsec>
      <listener>
        <enable>true</enable>
        <logon-process>
          <logon>true</logon>
        </logon-process>
      </listener>
    </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>