# Use of the IEEE 802.1X YANG model in BBF-specified Access Nodes

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# Introduction

On March 11th 2022, BBF sent **LIAISE-513** to inform IEEE 802.1 of the work being done to extend IEEE Std 802.1X-2020 YANG so that it can also be applied to PON access networks.

On March 16th 2023, the IEEE 802.1 response liaison indicated: "We have submitted Maintenance Requests to initiate discussion on how best to implement the solutions".

On May 16th 2023, Maintenance Item 0353 indicated: "As discussed within the Security TG and YANGsters, it was agreed to update the when statements as done in other 802.1 YANG modules. There is currently no vehicle by which to make the proposed change".

On June 5th 2025, BBF sent **LIAISE-705** reiterating the concrete ask, calling for urgency to get the changes published.

# Proposal

Project Authorization Request for a corrigendum, proposed to be approved under expedited review (no Criteria for Standards Development statement required as this is not intended to provide any new functionality).
Proposed PAR is in separate contribution.

# Thank You.

**Current specification (IEEE Std 802.1X-2020 page 241):**

```
augment "/if:interfaces/if:interface" {
  when "if:type = 'ianaift:ethernetCsmacd' or
        if:type = 'ianaift:ilan' or
        if:type = 'ianaift:macSecControlledIF' or
        if:type = 'ianaift:ptm' or
        if:type = 'ianaift:bridge'" {
    description
      "Applies to the Controlled Port of SecY or PAC shim or
      Ethernet related Interface.";
  }
```

**Proposed changed specification:**

```
augment "/if:interfaces/if:interface" {
  when "derived-from-or-self (if:type, 'ianaift:ethernetCsmacd') or
        derived-from-or-self (if:type, 'ianaift:ilan') or
        derived-from-or-self (if:type, 'ianaift:macSecControlledIF') or
        derived-from-or-self (if:type, 'ianaift:ptm') or
        derived-from-or-self (if:type, 'ianaift:bridge')" {
    description
      "Applies to the Controlled Port of SecY or PAC shim or
      Ethernet related Interface.";
  }
```