

**maint-mansfield-dot1x-
yang-353-0725-v01**

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Introduction

- A maintenance item ([#353](#)) has been waiting for a “vehicle” to implement the agreement reached on 2023-05-16.
- The .1X yang modules (ieee802-dot1x.yang and ieee802-dot1x-types.yang) need two things:
 - yang-version 1.1 statement in both modules
 - In ieee802-dot1x.yang update the when statement to use ‘derived-from-or-self’.
 - If any node is equal to or derived from the identity.

YANG Differences in ieee802-dot1x.yang

```
module ieee802-dot1x {
```

- 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.";
- }

```
module ieee802-dot1x {
```

```
  yang-version "1.1";
```

- ```
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.";
  - }

# Result

- Using `derived-from-or-self()` allows identities from another namespace to be utilized in a generic way.
- In order to support the `Xpath()` function, the yang-version needs to be set to YANG 1.1.
- The YANG is available [Pull Request #1661](https://github.com/YangModels/yang/pull/1661) and once merged can be pointed to by the BBF here....  
<https://github.com/YangModels/yang/tree/main/experimental/ieee/802.1>
  - Once the PAR is approved the yang will be moved to the `.../draft/ieee/802.1/Xcor` directory

# Process

- Add the updated YANG to experimental
- Once the PAR for the .1X corrigendum is approved have the document ready to go to TG ballot
- Once the ballot starts, move the YANG from experiment to draft
- Follow the IEEE 802.1/IEEE SA process to progress the work
- When document finishes the approval process move the YANG from draft to published