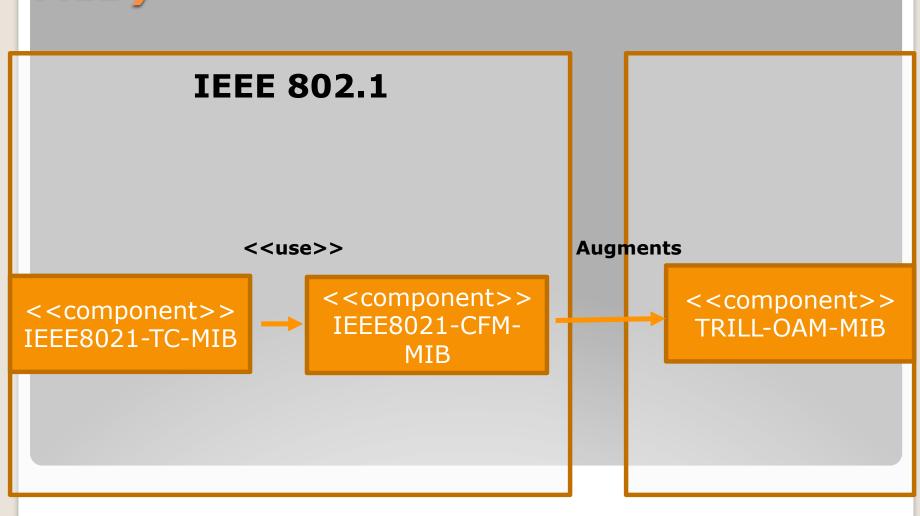
# TRILL OAM Fault MIB

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## Overview

- Presented in draft-deepak-trill-oammib-00.
- It augments IEEE CFM MIB and define TRILL OAM on top of it
  - TRILL OAM MIB is IETF MIB
  - This is the standard practice, many others have done this ITU-T, MEF
  - We do not have to implement everything, only the parts we need and TRILL specific needed to be implemented.

# MIB Relationship (IEEE8021-CFM-MIB)



## TRILL OAM MIB Tree

#### TRILL-OAM-MIB

- trillOamNotifications
  - trillOamFaultAlarm
- trillOamMibObjects
  - trillOamMep
    - trillOamMepTable <-- augments the dot1agCfmMepEntry</li>
    - trillOamMepFlowCfgTable
    - trillOamPtrTable
    - trillOamMtrTable
    - trillOamMepDbTable <-- augments dot1agCfmMepDbTable</li>

## MIB Imports

MIB definition file contain other standard MIBs to pull-in

#### **IMPORTS** OBJECT-GROUP, NOTIFICATION-GROUP, MODULE-COMPLIANCE FROM SNMPv2-CONF \_\_ \_ \_ dot1agCfmMdIndex, dot1agCfmMaIndex, dot1agCfmMepIdentifier, dot1agCfmMepEntry, dot1agCfmMepDbEntry, Dot1agCfmIngressActionFieldValue, Dot1agCfmEgressActionFieldValue, dot1agCfmMepHighestPrDefect, Dot1agCfmRemoteMepState FROM IEEE8021-CFM-MIB \_\_\_\_\_ LldpChassisId, LldpChassisIdSubtype, LldpPortId FROM LLDP-MIB;

# **Augmenting MIB**

 Use the key word AUGMENTS when defining the object

#### trillOamMepEntry OBJECT-TYPE

```
SYNTAX TrillOamMepEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The conceptual row of trillOamMepTable."

AUGMENTS { dot1agCfmMepEntry }

::= { trillOamMepTable 1 }
```

### What does this means?

- Complete TRILL OAM MIB contain both CFM MIB and TRILL OAM extensions
- As an example complete TRILL OAM MEP Entry consists of
  - dot1agCfmMepEntry
  - TrillOAMMepEntry

# Next steps for MIB

- TRILL OAM MIB is the glue between inter SDO OAM infrastructure.
  - It is done with MIB reuse in mind.
- Please take time and review draft-deepaktrill-oam-mib-00