IEEE P802.1CBcv
Update on draft d0.4

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Agenda

- Overview over the state of draft d0.4
- Open Questions – requests for guidance
  - Sequence Encode/Decode type
  - Usage of ports and interfaces in IEEE Std 802.1CB
- Next steps and upcoming ballot
State of draft d0.4

- Draft d0.4 aims to be technically complete. It will include:
  - complete MIB and YANG modules
  - supporting clauses for MIB
  - conformance clause
  - PICs clause
  - comment responses from the final disposition on d0.3

- Current state
  - Stream Identification and FRER MIBs almost complete
  - Conformance clause and PICs clause currently in progress
In 10.5.1.5 frerSeqEncEncapsType, IEEE Std 802.1CB specifies sequence encode/decode types (see also table 10-2)

The managed object is described as an enumeration that contains a type (8 bit integer) that also contains an OUI/CID

This construct is not easily encoded in either MIB or YANG

- There are possibilities how this could be done but none of them are really good ways to do it (e.g. two separate objects (OUI/CID and type number) that have a very loose coupling)

Also it is unclear to the editor if a OUI/CID of “other” could then have it’s own set of type numbers or if type number is not used in that case at all

In the opinion of the editor it would make sense to “spend” on type number (e.g. 0 or 255) for the OUI/CID type of “other”

- Does this make sense to the group or does this go against the intention of the OUI/CID entry of “other”?
Open Questions – Usage of ports and interfaces

- In the past, during discussions in the group, it was mentioned several times that IEEE Std 802.1CB should not be tied to the 802.1 bridge model but rather attach to IETF interfaces

- The managed objects typically refer to ports (e.g. IEEE Std 802.1CB-2017, 9.1.1.2 tsnStreamIdInFacOutputPortList or 9.2 Operational per-port per-Stream Stream identification counters)
  - This sounds as if the managed objects refer to physical bridge ports that should be imported from the bridge module
  - The editor would like to verify his assumption with the group before finalizing the MIBs
Next steps and upcoming ballot

- The draft is expected to be ready for balloting within the next 2 weeks after the July plenary has ended.

- The editor plans to have a 4 week ballot.

- The editor would like to ask working group members to especially take a look at the MIB and YANG modules with regard to a correct implementation of the mechanisms that are described in IEEE Std 802.1CB.

- It is the hope of the editor that the upcoming draft d0.4 is considered technically complete enough so we can move to WG ballot stage as a next step.
Thank you!

Any questions?