P802.1Qcz Responses to PAR and CSD Comments

802.3 Comment - 802.1Qcz PAR 5.3

Amendment: Congestion Isolation

PAR

- 5.3 — It certainly isn't clear why a YANG "extension" to 802.1ABcu specifications is in an 802.1Q amendment. The scope of 802.1AB and 802.1ABcu indicate that the appropriate location for such specifications would be in 802.1AB. Explain why the PAR should not be split into two amendments (or split the PAR into two projects), one for 802.1Q and another for 802.1AB. If on the other hand, "extension" is a misleading word, rephrase. (e.g., This project will reference and require use of capabilities being specified in P802.1ABcu.) If "extension" is a misleading word, then also correct the Explanation in 6.1.b.

Response to 802.3 Comment on PAR 5.3

IEEE Std 802.1AB defines the Link Layer Discovery Protocol including a set of general TLVs (those used for the LLDP and those identifying the port and system) and a format for Organizationally Specific TLVs (identified by OUI - presumably in a future revision that would be updated to OUI or CID). The Organizationally Specific TLVs allow for standards and companies to define TLVs relevant for their protocols and devices.

The original IEEE Std 802.1AB included appendices containing some Organizationally Specific TLVs for IEEE 802.1 and IEEE 802.3, but around 2009 it was decided that it was more appropriate for the organizationally specific TLVs to be defined in the standards to which they applied. There is a not in the appendix for the IEEE 802.3 TLVs that they are being incorporated into IEEE 802.3 and that it is expected that the appendix will be removed in a future revision.

By IEEE Std 802.1AB-2016, the Appendices for IEEE 802.1 and IEEE 802.3 TLVs are gone from 802.1AB, all the old TLVs were moved to the standards to which they applied and new TLVs were put in those standards. We expect that P802.1Qcz will also need some organizationally specific TLVs which will be defined in it to become part of IEEE 802.1Q as other such TLVs are (and just IEEE 802.3 does for any TLVs they define). These TLVs belong in IEEE 802.1Q along with the existing TLVs related to IEEE 802.1Q protocols.

The base SNMP MIB for LLDP is in IEEE Std 802.1AB and the standards defining organizationally specific TLVs also define MIBs that augment that base to cover their TLVs (or it is done in a separate management standard such as IEEE 802.3.1 for the IEEE 802.3 TLVs). These MIBs 'extend' the base LLDP MIB. Now we are in the situation of moving to YANG models for management. We want to define YANG covering the new TLVs for Congestion Isolation. That YANG belongs with the TLVs in P802.1Qcz but will reference on the base LLDP YANG model being developed in P802.1ABcu. Therefore P802.1Qcz will be 'extending' the base LLDP YANG model. This is why there is a dependency and why the material described in the P802.1Qcz PAR belongs in P802.1Qcz. No change needed.

802.3 Comment - 802.1Qcz PAR – 8.1

- 8.1 — It looks like a cut and paste included too much. OID is not referenced in 6.1.b of this PAR. Either correct the Explanation in 6.1.b, the project scope, etc. to include SNMP management requiring OID, or remove the OID line from 8.1.

Response – 803.2 Comment on PAR 8.1

- Accept. Removed reference to OID

802.3 Comment - 802.1Qcz – CSD General

CSD

- General — It is helpful to identify what project the CSD justifies (other than in the file name). Other 802.1 projects do this following the title.

Response – 802.3 General CSD Comment

- Accept – Update Title in CSD

802.11 Comment - 802.1Qcz - Amendment: Congestion Isolation, PAR and CSD

PAR 2.1 – missing "Amendment:" in title. – "Amendment: Congestion Isolation"

Response – 802.11 Comment on PAR 2.1

Accept