

Editor's report on 802.1Qcn 0.1

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Work flow

- Bi-weekly conference call starts from May 17; ends by July.
- Gave a status update in IETF NVO3 meeting last week.
- Uploaded draft 0.1.

What Qcn has extended(1)

- VDP (Clause 41)
 - Add 8 new IP address relevant filter info format, 4 for IPv4 and 4 for IPv6.
 - Allow unicast MAC to be used as destination to transport VDP
 - New N-bit in Status field to clearly indicate a migrated VM or new started VM.
 - Clarify the state can be rolled back from associate to pre-associate state

What Qcn has extended(2)

- EVB TLV(clause 40 and annex D)
 - Define a new EVB Mode, NVO3 mode.
 - Define a new NVERole field in EVB TLV which takes effect when EVB Mode = NVO3 mode. Station and bridge take NVERole = tNVE and nNVE respectively.
 - Turn on GroupID (VNI) and turn off ReflectiveRelay for EVB TLV by default for NVO3 Mode
 - Define new IPv4/IPv6 capability in EVB Bridge/Station Status in EVB TLV to exchange if v4/v6 addresses are supported in VDP filter format.

What Qcn has extended(3)

- Conformance considerations (sub clause 5.25)
 - Add new sub clause for EVB-NVO3 conformance requirements
 - Support of VID assignment and groupID are mandatory
 - Support of EVB, IP address and ECP transport are optional.

Terminology Discussion

- The word “Bridge” is a problem in both the presentation and the draft. A Bridge at IEEE is a device conformant to 802.1Q, however an nNVE may be a router which is not 802.1Q conformant. We need to consider how to circumvent reference to “Bridges”. This invades many parts of the work including the title “Edge Virtual Bridging”. We do have the terms nNVE and tNVE from IETF which we need to make more use of. We also have the issue of words for the port structures Downlink Relay Port and Station Facing Bridge Port which are normative for 802.1Q. I think we need to move these to something like tNVE-UP and nNVE-DP for tNVE Downlink Port and nNVE Station Facing Port.

Plans

1. Start TG ballot after plenary.
2. Ask for last call of IETF requirement document in NVO3.

Discuss:

1. Shall we start to respond to IETF liaison?
2. YANG Model: We have a volunteer on it. What is the right procedure? Use GitHub?