Qcn document structure

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Draft Standard for Local and metropolitan area networks—
Bridges and Bridged Networks --
Amendment: Virtual Station Interface (VSI) Discovery
and Configuration Protocol (VDP) Extension to
Support Network Virtualization Overlays Over Layer 3
(NVO3)

- **Abstract:** This amendment to IEEE Std 802.1Q defines enhancements to Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) to support Network Virtualization Overlays Over Layer 3 (NVO3).

- **Keywords:** Bridged Networks, local area networks (LANs), MAC Bridges, VLAN Bridges, metropolitan area networks, Data Center Bridging (DCB), Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP), Network Virtualization Overlays Over Layer 3 (NVO3).

1.3 Introduction

- ***Insert the following text at the end of 1.3 under"****This standard specifies protocols, procedures, and managed objects that"**, renumbering the list items as necessary:***

- a) Provide the Network Virtualization Overlays Over Layer 3 (NVO3) specific provisions on EVB station and EVB bridge?

2. References

- *Insert the following references into Clause 2, in appropriate collating sequence:*

- IETF NVO3 draft-ietf-nvo3-hpvr2nve-cp-req, Split-NVE Control Plane Requirements

- IETF RFC 7365, Framework for Data Center (DC) Network Virtualization

3&4. Definitions and Abbreviations

- Add
  - NVO3
  - NVE?
  - VN?
- Or reference to IETF document?

5.23 Edge Virtual Bridging (EVB) station requirements

- Should add requirement about IP addresses

Comment: Not clear what requirement is being suggested

17.3 Relationship to other MIBs

- Table 17-21 (802.1Qbg document)
  - Add IP table or modify ieee8021BridgeEvbVsiDbMacTable?

41. VSI discovery and configuration protocol (VDP)

- **41.2 VDP association TLV definitions**
  - **New "filter info format" for IP addresses**
  - **Clarification on groupID and VNI in NVO3?**
- **41.2.3 Status**
  - **'M' bit clarification: no guidance (m = 0) and clear indication that it is not an migrating but newly booted VM?**
- **Should allow** associate->pre-assoc state transition

43. Edge Control Protocol (ECP)

- Dest mac: can be unicast MAC (already there) or a non-reserved multicast MAC address other than the nearest customer bridge address (needs extension)

Comment: Dest MAC is specified by the protocol using ECP so this is in Clause 41 (right in the text under the Clause 41 heading.