802.1Qbc Provider Bridging – Remote Customer Service Interface draft 0.0 status

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Main Items for Discussion

- Terminology
 - "S-VLAN mapping component" (66, 23, 56, 26, 60)
 - "common port"(22, 29, 23, 49, 36, 2, 46)
 - "remote customer service interface"(20, 43, 53, 10, 33, 44, 5)
 - Port role names(53, 71, 11, 6, 53, 64)
- Number of external ports (3, 31)
 - How to provide protection
- Number of S-VLAN tagged internal ports (9, 34)
- Interface Status TLV (editor's note, 40, 72)

S-VLAN Mapping Component
Operator A Operator B Provider Edge Bridge C-VLAN Neighboring **PBN** S-VLAN S-VLAN C-VLAN relay mapping Provider Network Ports Provider S-tagged service interface Network Ports (Customer Network Port) Port-based service interfaces remote custòmer service interfaces (Customer Network Ports) (Remote Customer Ports)

Figure 15-9—Remote customer service interfaces to a Provider Bridged Network

Common Port

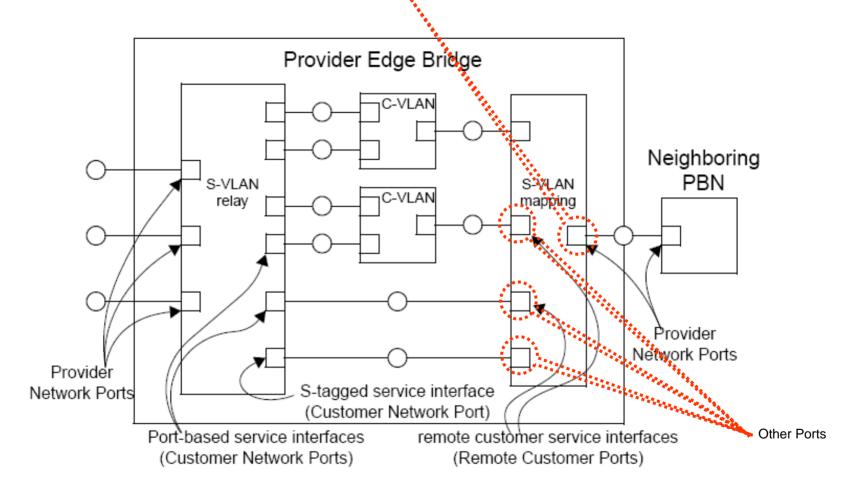


Figure 15-9—Remote customer service interfaces to a Provider Bridged Network

RCSI (PBN)

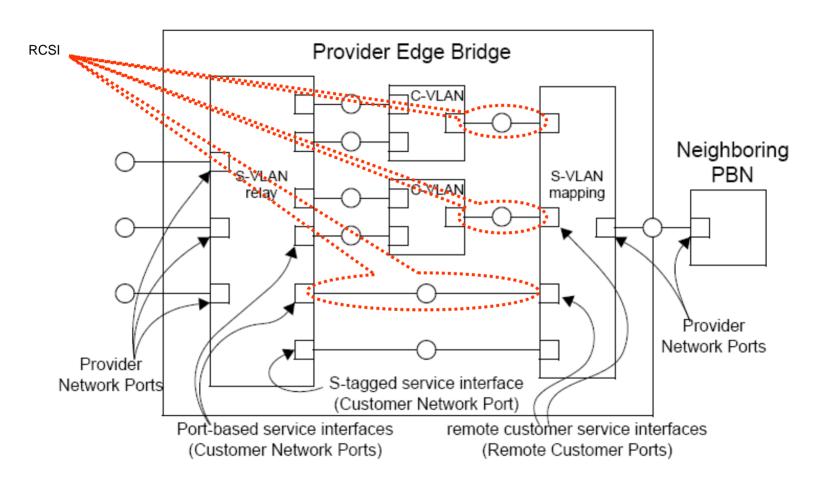


Figure 15-9—Remote customer service interfaces to a Provider Bridged Network

Port Role Naming (PBN)

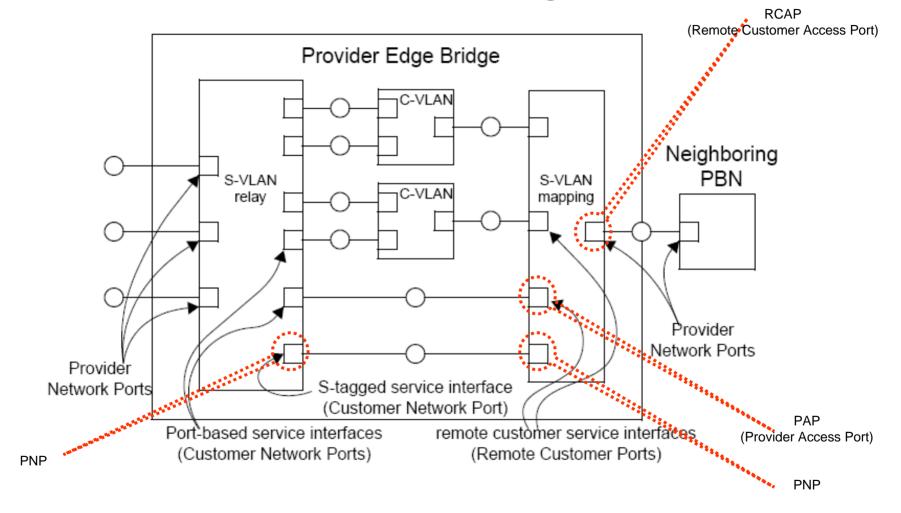


Figure 15-9—Remote customer service interfaces to a Provider Bridged Network

Number of External Ports

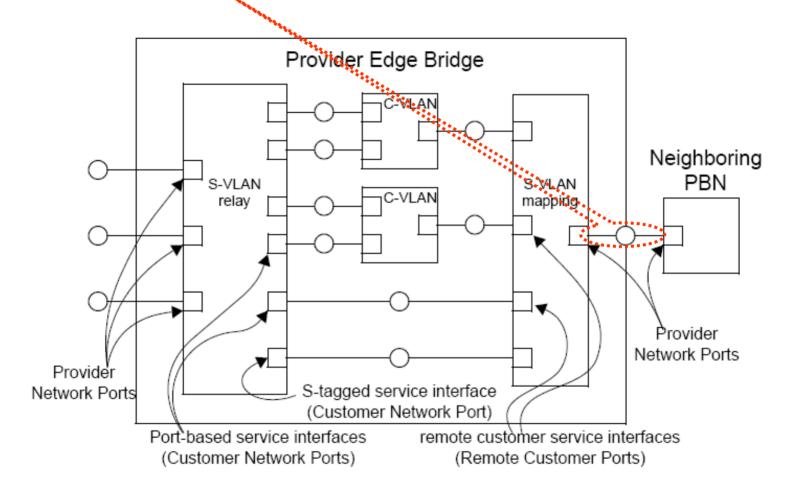


Figure 15-9—Remote customer service interfaces to a Provider Bridged Network

Number of S-Tagged Internal Ports

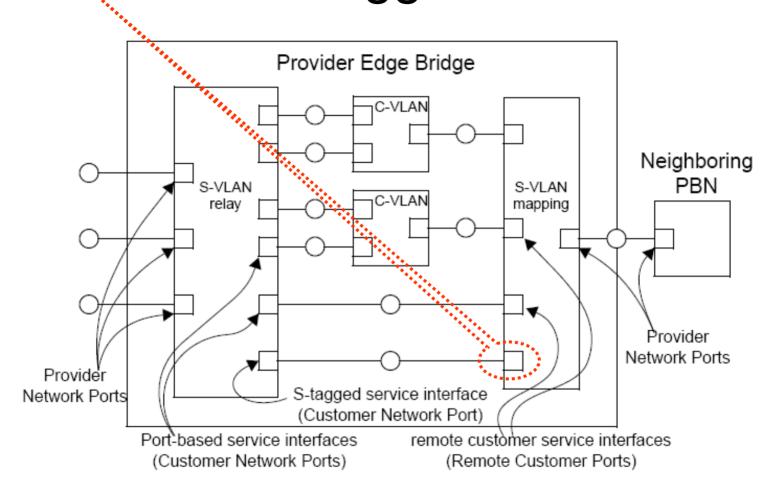


Figure 15-9—Remote customer service interfaces to a Provider Bridged Network

RCSI Open Questions

- E-LMI support between RCSI and Customer
 - Currently assigned address for E-LMI (-07) will not pass through RCSI S-VLAN
- Service OAM for C-tagged service interfaces
 - Need to support C-tagged CFM PDUs if OAM begins in adjacent PBN?
- Management channel to NID