DCB/IW Update

• Provide Status of Qbg and Qbh
• Discuss key comments from ballot resolution
  – Discuss whether a new Ethertype should be used for S-channel tagged frames.
  – Discuss comment about C-VLAN -> S-VLAN priority mapping
  – Discuss the issue of bridge delay across the extended bridge and desire to be a compliant customer bridge
  – Discuss architecture differences of Qbg and Qbh
Discussion on a Better Architectural Alignment between Qbg and Qbh

Paul Congdon
Objectives

• Examine the current architectural implications of Qbg and Qbh
• Search for ways to better align the two specs
• Test consistency with component definitions in 802.1
Current Qbg and Qbh

Qbg - Controlling Bridge

Qbh - Controlling Bridge

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PEs using only Qbg

Qbg - Controlling Bridge

C

S

Nic

C

C

S

C

C

C

PE 1

PE 2

PE 1

PE 2

1

2

1

2

1

2

3

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Adding Remote Replication

Qbg - Controlling Bridge

Qbh - Controlling Bridge

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Conclusion

• Remote Replication is significant, new functionality
• Typically a new tagging operation warrants a new bridge component
• Clear component differentiation should help leveraged the specification of Qbg and Qbh