



# P802.1Qbh Draft 0.3 Discussion Topics

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# Port Names Inconsistent

- Port Names will globally be changed to:

Upstream Port

Cascade Port

Extended Port

Note: Extended Ports exist only on port extenders; not on the controlling bridge

Extended Bridge Port: any port provided by an Extended Bridge (both on the Controlling Bridge and Port Extender)

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## **PE CSP Duplicates the functionality of VDP**

- The PE CSP commands and TLVs that duplicate the functionality of VDP will be removed in the next draft

## Controlling Bridge Definition is Qbh Specific

- Move to Qbg and change to something like:  
“A type of bridge that supports at least one of the following:  
attachment of Port Extenders to form an Extended Bridge,  
Reflective Relay, or Multichannel.”

## Many definitions in Qbh belong in Qbg

- Paul Bottorff in his ballot comments identified the definitions that should be moved
- These definitions will be removed from Qbh in the next draft.

I'll provide the frame file for the current version to allow Tony to cut and paste these into Qbg.

## Use of MCIDs in the range of 1-4095

- In the current draft, this range duplicated the SVID range to allow an optimization of a controlling bridge to emit only M-TAGs when attached to a PE

This idea was not very popular

- Will be removed in the next draft

Values 0 and  $2^{14}-1$  will be reserved

# VID Translation Table

- The editor's opinion:

It is necessary for the VID translation table to be disabled whenever a Controlling Bridge is controlling the use of SVIDs for S-channels using the protocols defined in this amendment (and in in Qbg). There is no reasonable method by which these could be externally programmed that would not cause a failure of these protocols. A conformance clause could be added (the exact wording and placement TBD) that states the VID translation table shall be forced to no translation on ports for which the bh protocols are active. This should probably apply to Qbg (CDP) also.

- Some commenters disagreed

Additional discussion is required

# Relationship of Qbh and CDP

- The editor has not incorporated the use of CDP in Qbh yet, but will do so in the next draft as agreed upon in the last meeting in bh-pelissier-control-overview-0410-v02

Note there is a minor error in this presentation. In the ladder diagram it indicates the PE CSP S-channel create command is used to establish the S-channel in the intermediate PE. This should be an S-channel register command.

- Short summary:

PE's execute CDP on the extended ports

Results of CDP are communicated to the Controlling Bridge using PE CSP

PE CSP is used to establish the S-channels between the CB and PEs

CDP is used to establish S-channels external to the Extended Bridge

Why is CDP not used between PEs and the CB?

CDP executes over LLDP subject to slow protocol constraints

Utilizes the non-TPMR address, therefore would need to operate hop-by-hop between PEs

In a cascade of PEs, these constraints could add several seconds to the time required to establish an S-channel



# PE CSP Error Codes

- PE CSP provides several error response codes
- These are really not all that useful
- Reduce to:
  - Success
  - In Progress
  - Fail due to lack of resources
  - Fail due to reasons other than lack of resources