IEEE 802.1BR Bridge Port Extender Port Parameters Request

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Overview

- A Port Extender (PE) is part of an Extended Bridge
- A PE may also be instantiated in a station
- The station may have local information about the desired port configuration of the Extended Ports
  - the desired configuration may change during operation

- Proposal: The PECSP agent on the station may issue a port configuration request to the controlling bridge
  - Re: comment i-38
Extended Port Settings in the Station

- Priority Regeneration table
- VLAN – tagged or untagged member sets
- TSA settings
- ETS bandwidth allocation
- Priority to traffic class mapping

- All of these port configuration parameters are present in existing PECSP TLVs
Proposal for PECSP

• A PE may optionally include the Port Parameters and VID Array TLV in the Extended Port Create message

• Define new message: Port Parameters Request
  – Similar to Port Parameters Set but initiated by the PE
Discovery and configuration of PE2 works same as before.

Station A will trigger the creation of Extended Ports for LANs ‘d’ and ‘e’.

It may request specific port configuration at time of creation or at a later time.