L2GP on CNP
Version 1

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802.1 Interim, Los Gatos
L2GP as designed

Each Customer Network runs an independent spanning tree.

Service Interface ports configured as Layer 2 Gateway Ports (L2GP)

One L2GP in each customer network will become the root for that network, and the other will block the service interface (thus breaking loop)

No customer BPDUs traverse the service interface LANs, or the backbone service instance.

*Note that if service interface ports are not configured as L2GPs, then customer BPDUs will traverse the Backbone Service Instance (encapsulated in an I-tag) and the customer networks will share a common spanning tree.

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802.1 meeting, Los Gatos California
If try to configure L2GP on CNPs

Each Customer Network may or may not run an independent spanning tree.

Service Interface ports configured as Layer 2 Gateway Ports (L2GP)

BPDUs traverse all backbone service instances reachable through the CNP (these BPDUs are generated by I-component and encapsulated in an I-tag).

One L2GP will become the root, and all others will block the service interface (thus isolating all customer networks !!)

This is not how L2GP was designed to be used.