Pseudowire Control Word Negotiation Mechanism Analysis and Update

PWE3 IETF80

draft-jin-pwe3-cbit-negotiation-04

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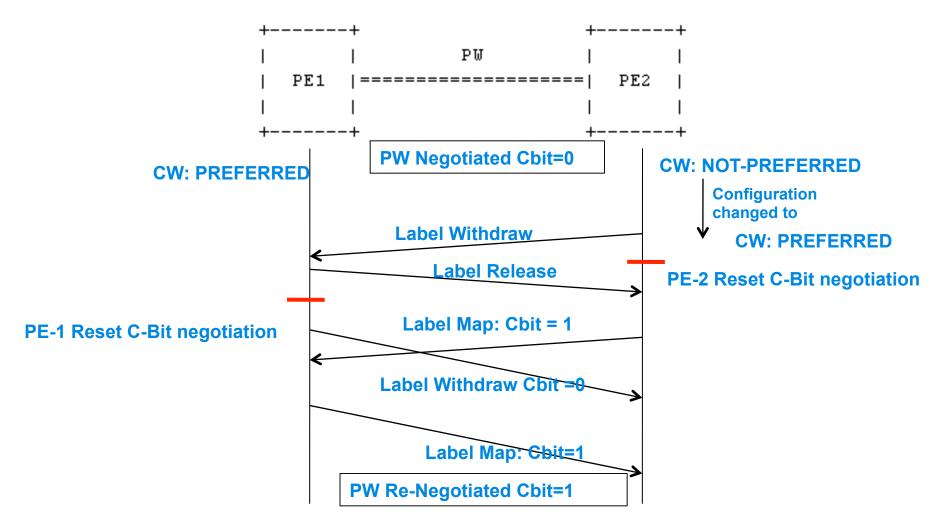
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Status

- Will be adopted as a PWE3 WG.

- Several updates from 01 to 04.

Background.

- The draft updates rfc 4447 Control Word negotiation, to re-enable CW after being negotiated as disabled.

Proposed solution

Proposed solution Summary

- On CW configuration Change

    - Local PE sends a (1) label Withdraw, resets its C-Bit negotiation and sends (2) a label mapping with the new C-Bit setting to it's neighbor.

    - Neighbor PE, once it sees the label withdraw, and if it has advertised a C-bit different than what it has configured, resets its C-Bit negotiation and sends (1) a label withdraw and (2) a label mapping with it's Configured C-Bit setting.

    - C-Bit negotiation continue as per RFC 4447.

Next steps

- Update the draft with this proposed solution and publish as a WG draft.

- Thanks Luca for the valuable comments.

Thank you