

# LDP extensions for Explicit Pseudowire to transport LSP mapping

draft-cao-pwe3-mpls-tp-pw-over-bidir-lsp-04.txt

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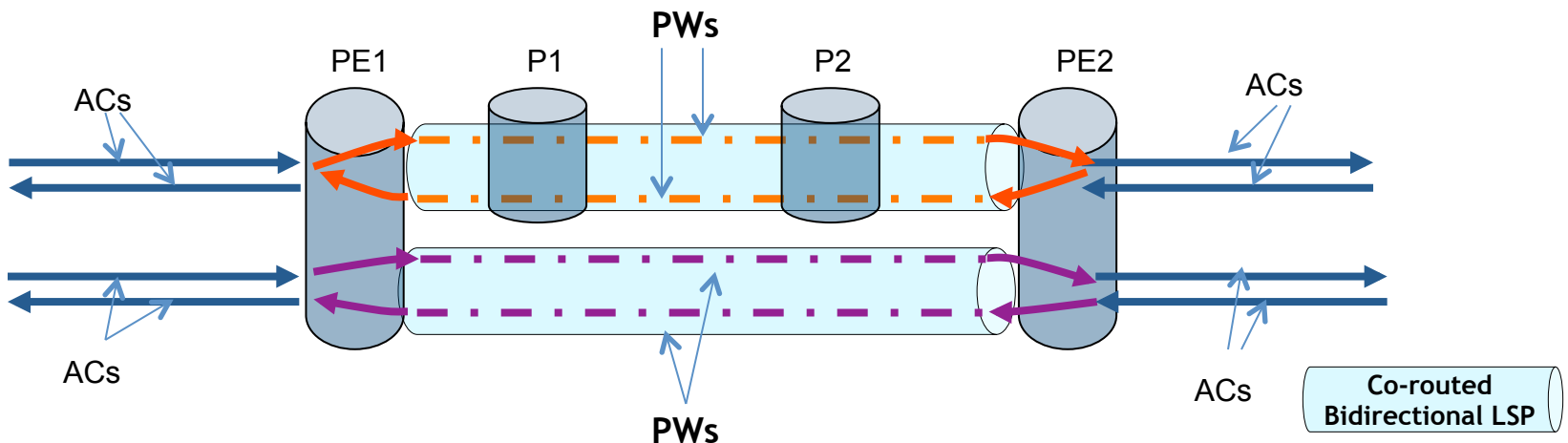
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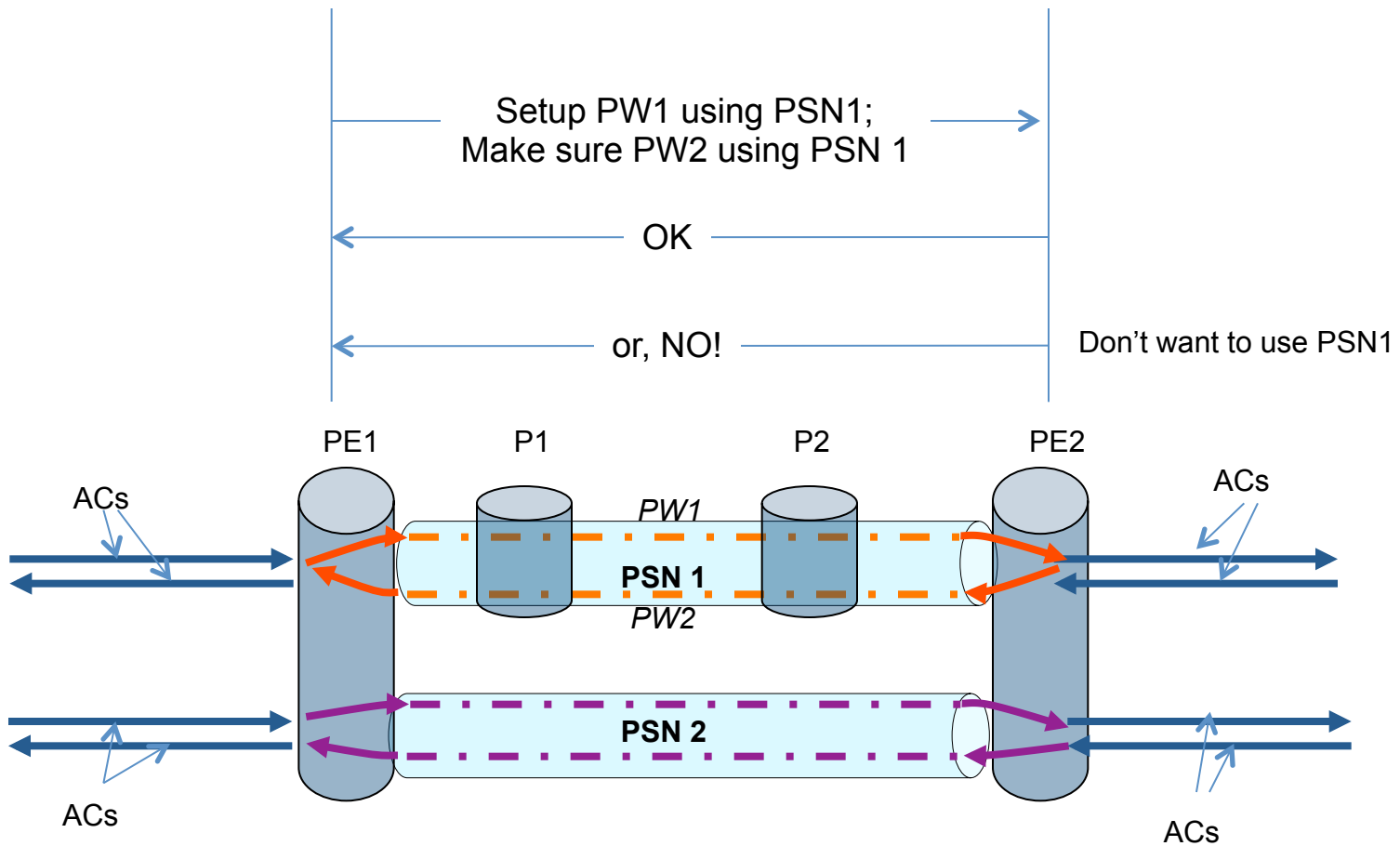
# Problem Statement

- Currently,
  - A PW uses two unidirectional LDP/RSVP-TE LSPs as PSN Tunnel,
  - PEs select and bind to PSN Tunnel locally, with no control plane support
- New service requirements:
  - mapping bi-directional circuits to LSPs with same route (e.g., co-routed bi-directional LSP)

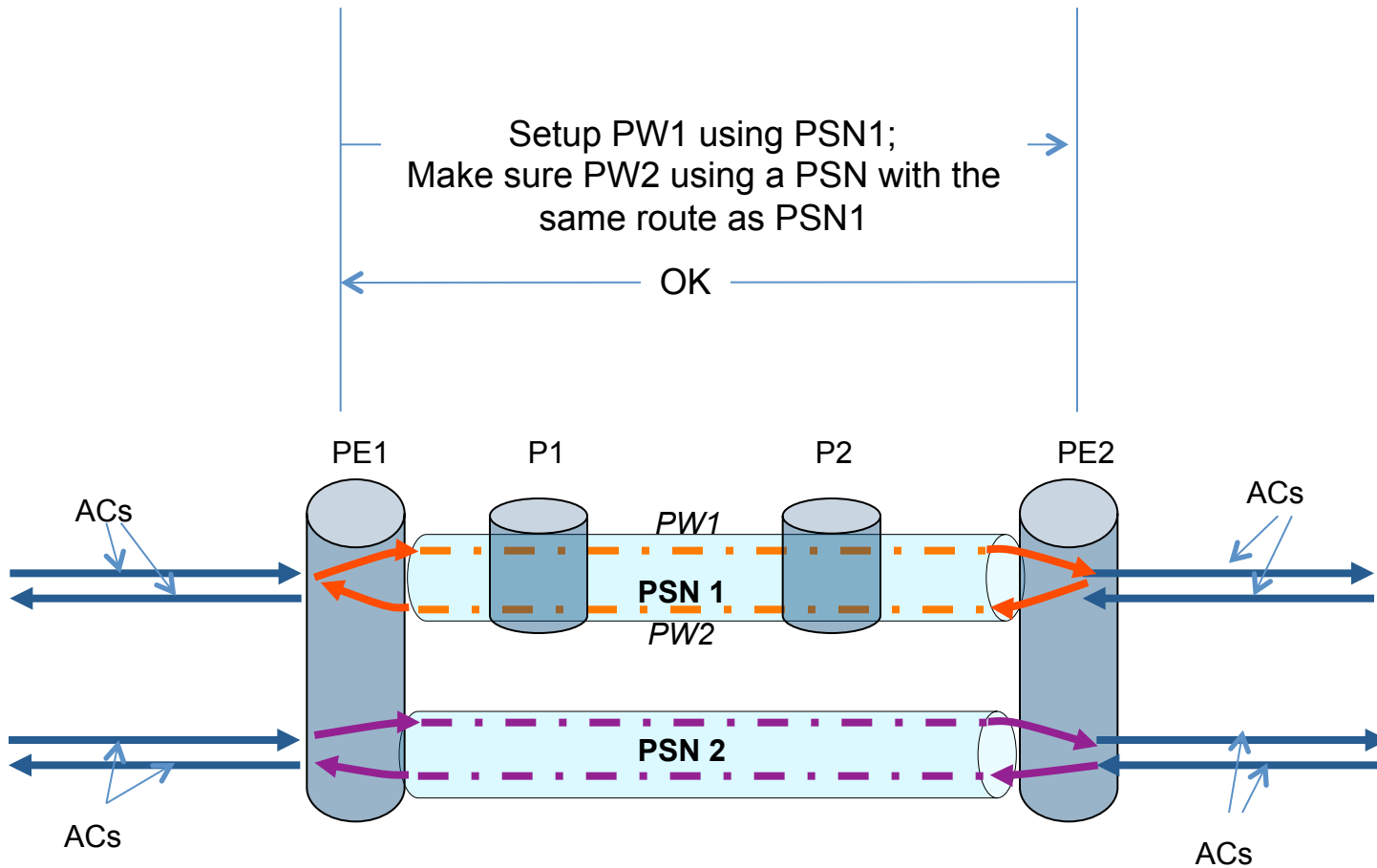


Need to have explicit control over PW-LSP binding at control-plane

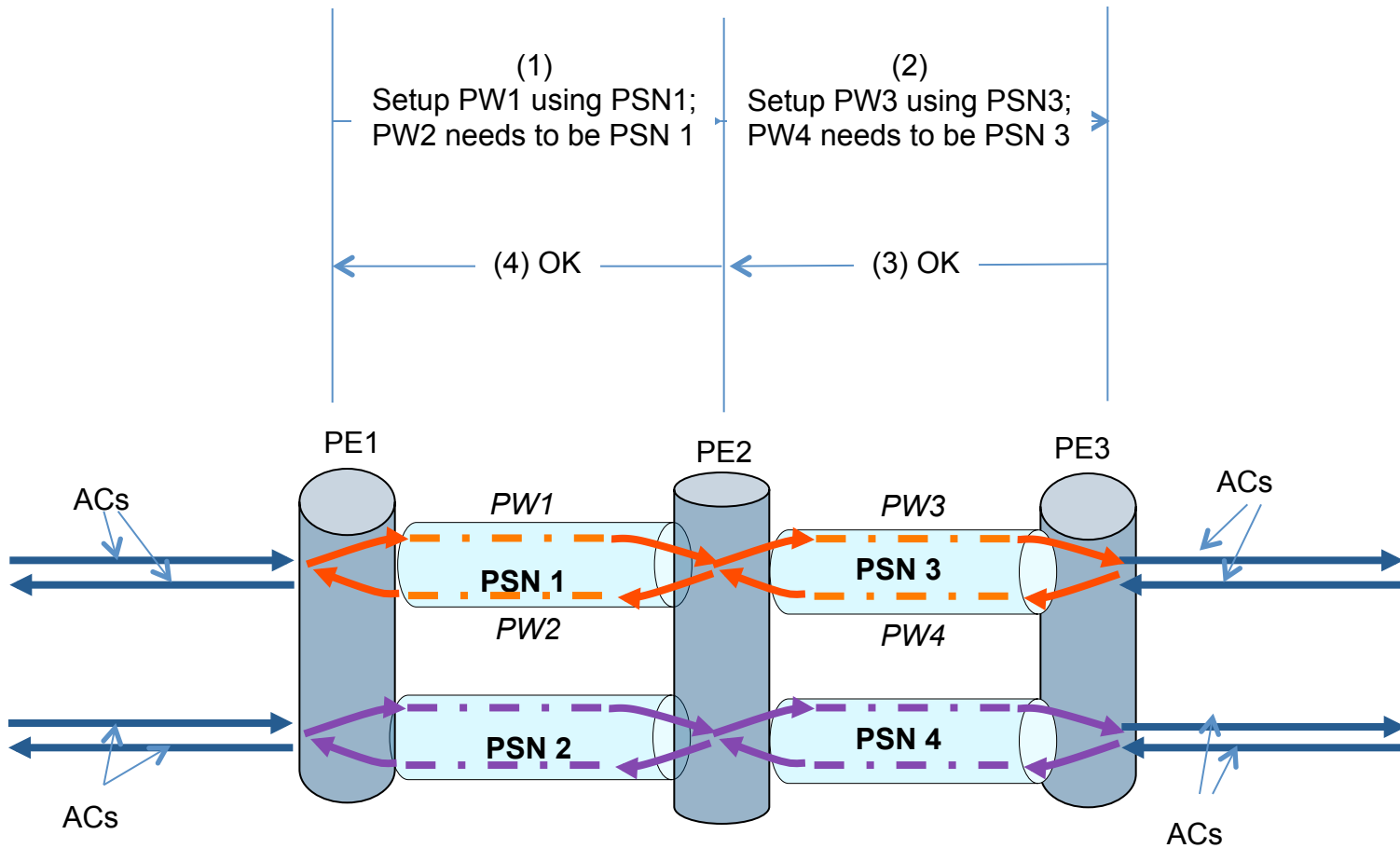
# Solution Overview (Single-Hop) (Strict Mode)



# Solution Overview (Single-Hop) (Congruent Mode)



# Solution Overview (Multi-Segment) (Strict Mode)





# Changes since last version

- Editorial changes
- Terminology clarifications

# Next steps

- Comments?
- WG document?