

# UNI Extensions for Diversity and Latency Support

draft-fedyk-ccamp-uni-extensions-01

IETF 86 – CCAMP WG

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# Agenda

- I-D history and brief overview
- Updates from 00 to 01 version
- Relationship with other CCAMP work
- Next steps

# I-D History and Brief Overview

- draft-fedyk-ccamp-l1vpn-extnd-overlay-01 became draft-fedyk-ccamp-uni-extensions-00 as per Vancouver meeting suggestion to broaden the applicability scope from GMPLS UNI for L1VPNs to the GMPLS UNI in general:
  - Title/I-D file name changed
  - Content aligned with new scope
  - Still applicable to the GMPLS UNI for a L1VPN following the overlay extension service model (L1VPN is a special case of the general UNI case)
- draft-fedyk-ccamp-uni-extensions-00 is still addressing:
  - UNI extensions for achieving diversity in the provider network
  - UNI extensions to deal with latency/latency variation (delay/delay variation) constraints

# Updates from 00 to 01 version

- Diversity part:
  - Error handling procedures added
- Latency part:
  - “Latency Signaling Extensions” section revised (new text added)
- Reference added and references updated

# Relationship with other CCAMP work

- draft-fedyk-ccamp-uni-extensions-01 complements:
  - [draft-ietf-ccamp-lsp-diversity-01.txt](#)
  - [draft-ali-ccamp-extended-srlg-00.txt](#)
  - these drafts address signaling extensions to support LSP diversity and SRLG for multi-provider domain networks
- draft-fedyk-ccamp-uni-extensions-01 differs from:
  - [draft-beeram-ccamp-melg-00.txt](#)
  - draft describes routing actions on a virtual topology that has been provided to the CEs

# Next Steps

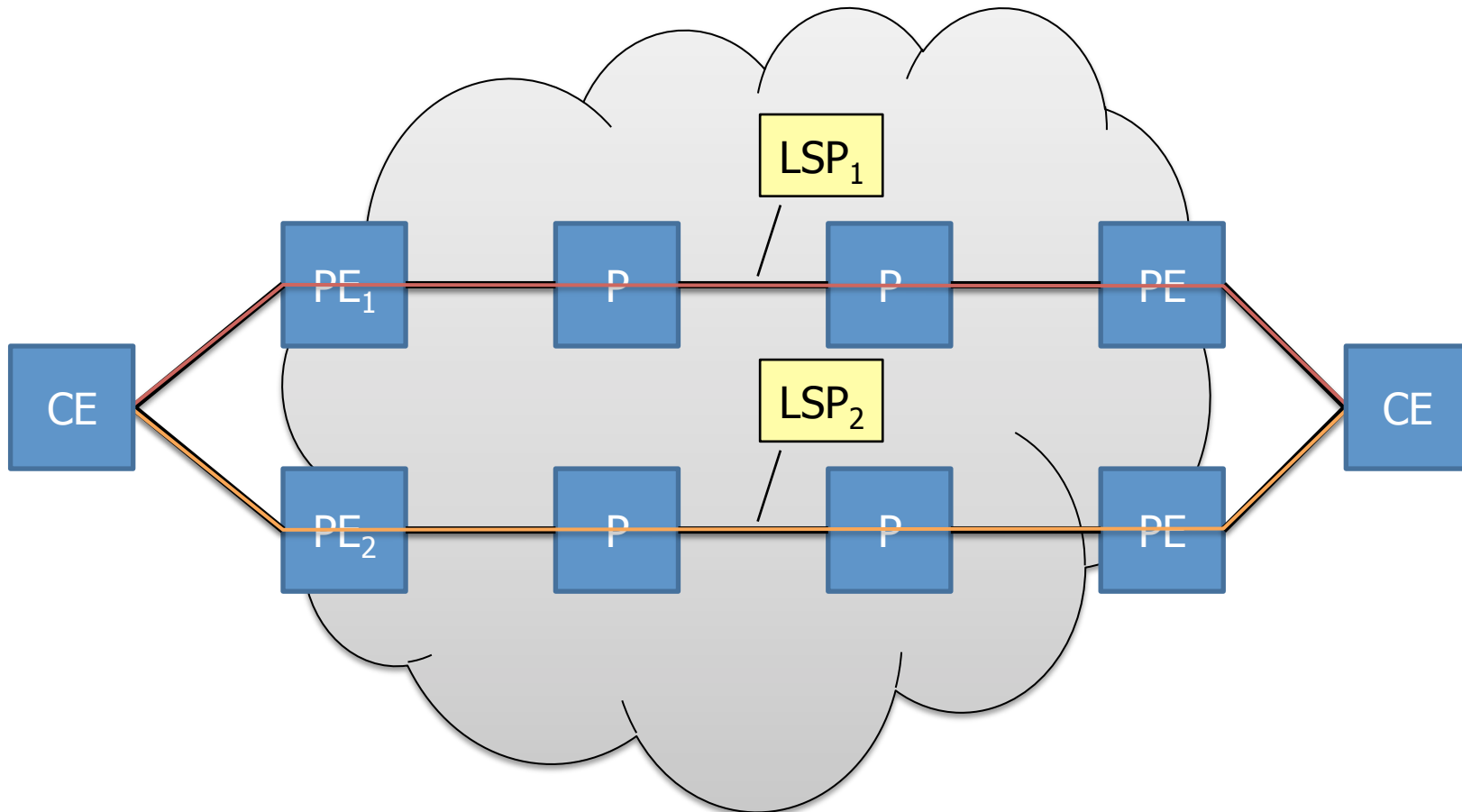
- Solicit feedback/comments from the group
- Further refinement of dual-homing solution including more detailed signaling extensions
- Further refinement of latency section
- Collaboration with authors working on:  
[draft-farrel-interconnected-te-info-exchange-00.txt](#)

# Thank You!

# Backup Slides

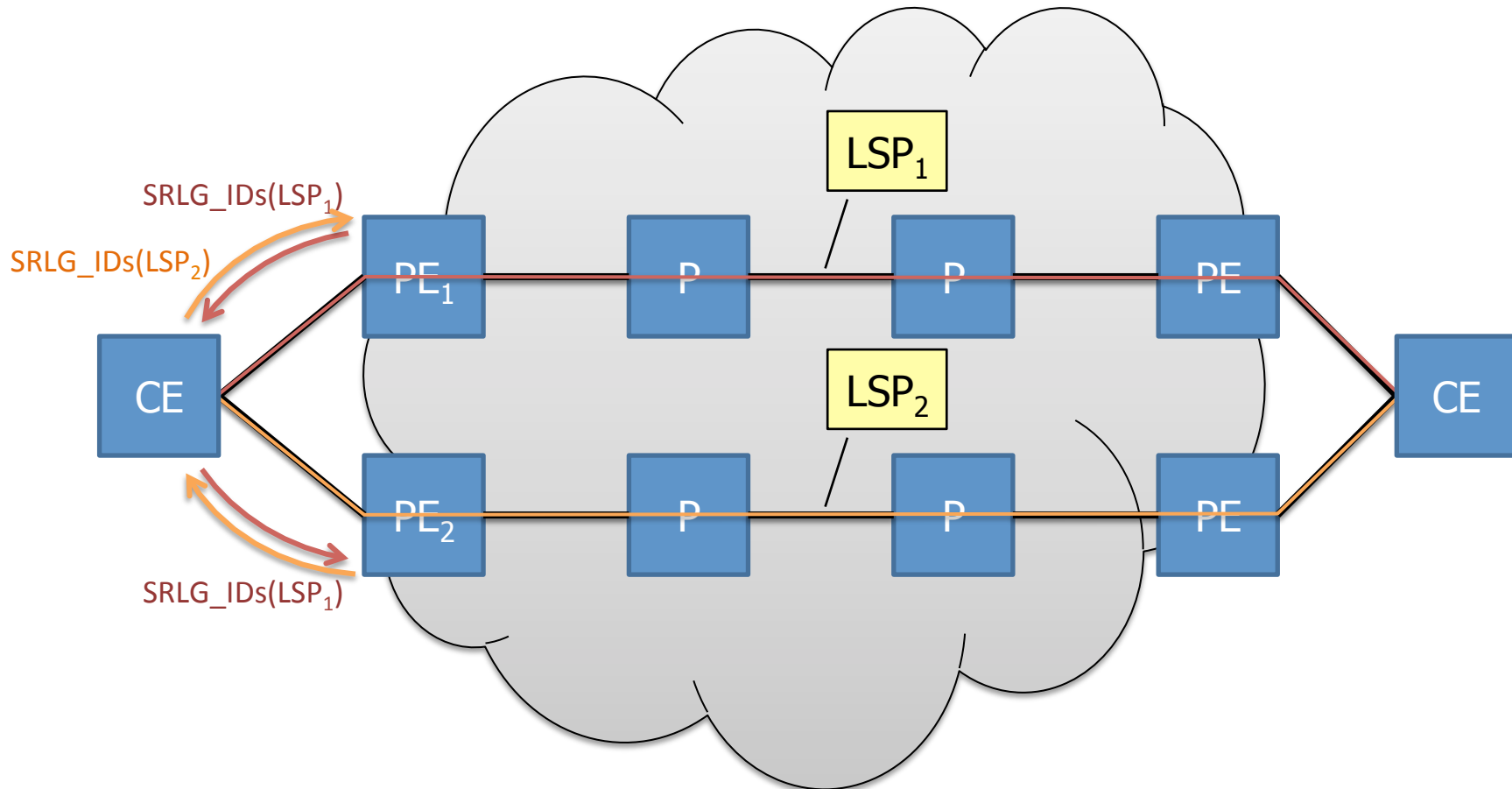


# Dual-homing Problem Statement



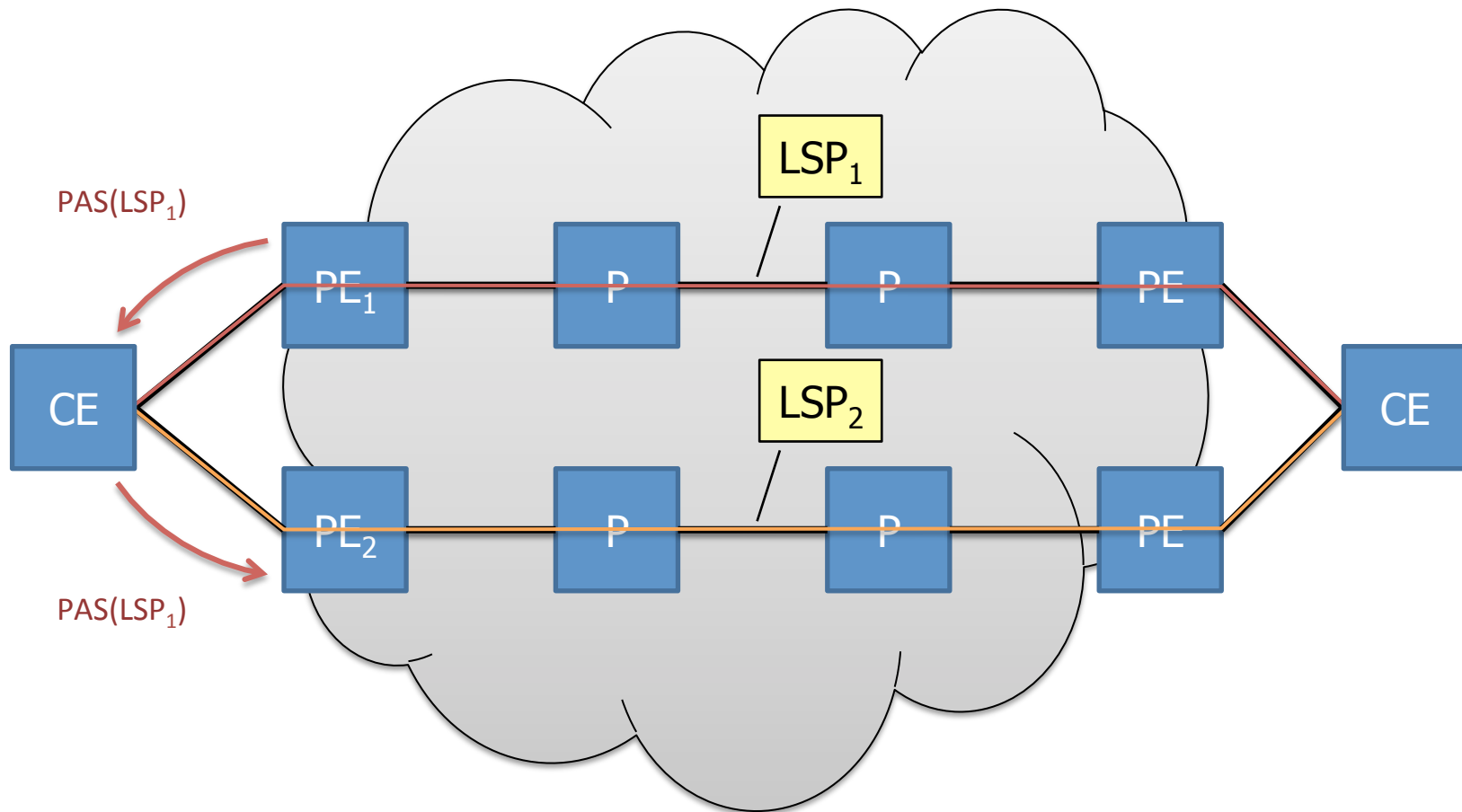
Problem Statement: ensure that LSP1 and LSP2 are mutually disjoint

# Option 1: Exchange of SRLG List



Exchange of SRLG ID list for disjoint LSPs via source CE node

# Option 2: Exchange of Path Affinity Set



- Exchange of PAS + LSP ID via source CE node
- Dissemination of (PAS, LSP ID, SRLG IDs) among PEs for each L1VPN