

PCEP Extensions for Establishing Relationships Between Sets of LSPs and Virtual Networks

<https://datatracker.ietf.org/doc/draft-leedhody-pce-vn-association>

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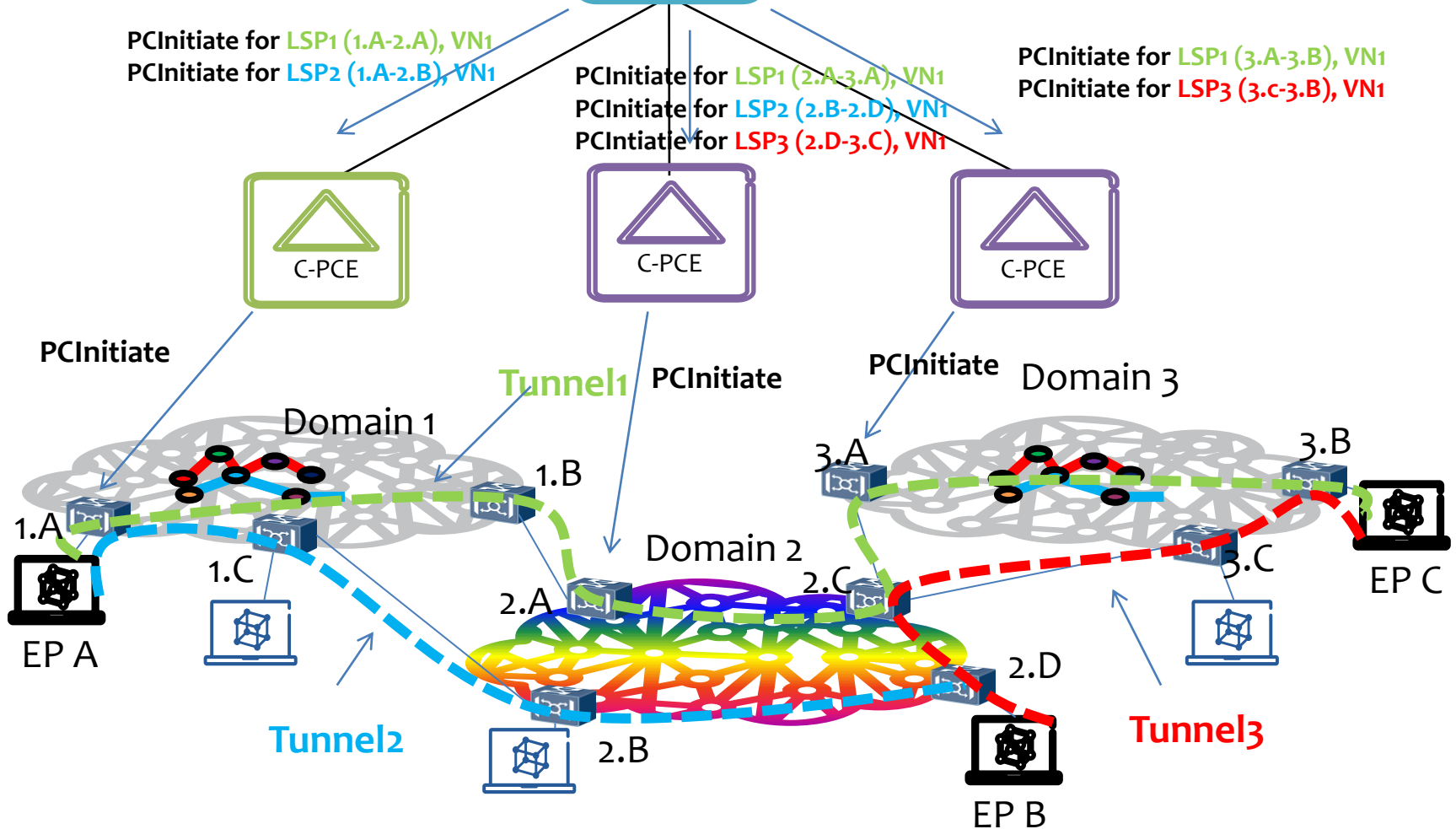
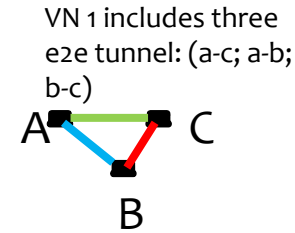
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Background/Motivation

- As per [I-D.ietf-pce-association-group], LSPs are associated with other LSPs with which they interact by adding them to a common association group.
- In this draft, this grouping is used to define associations between a set of LSPs and a virtual network for a PCE to identify LSP under a VN.

Applicability: H-PCE and ACTN

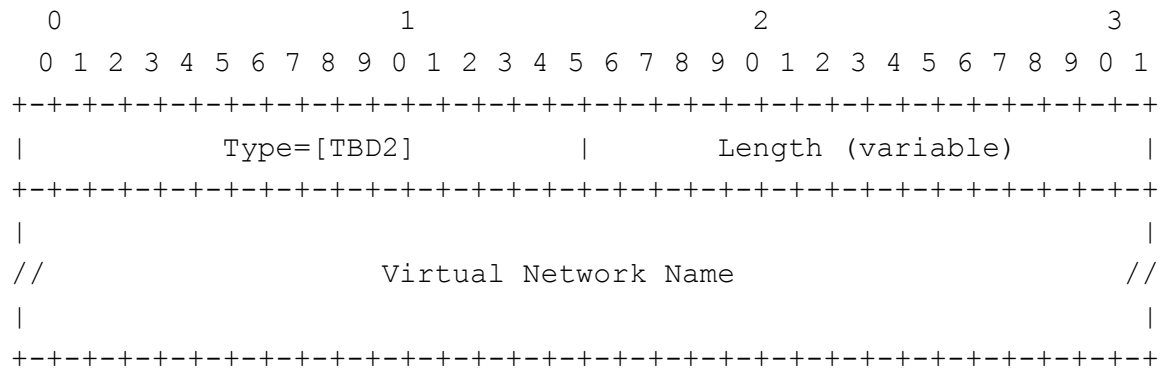
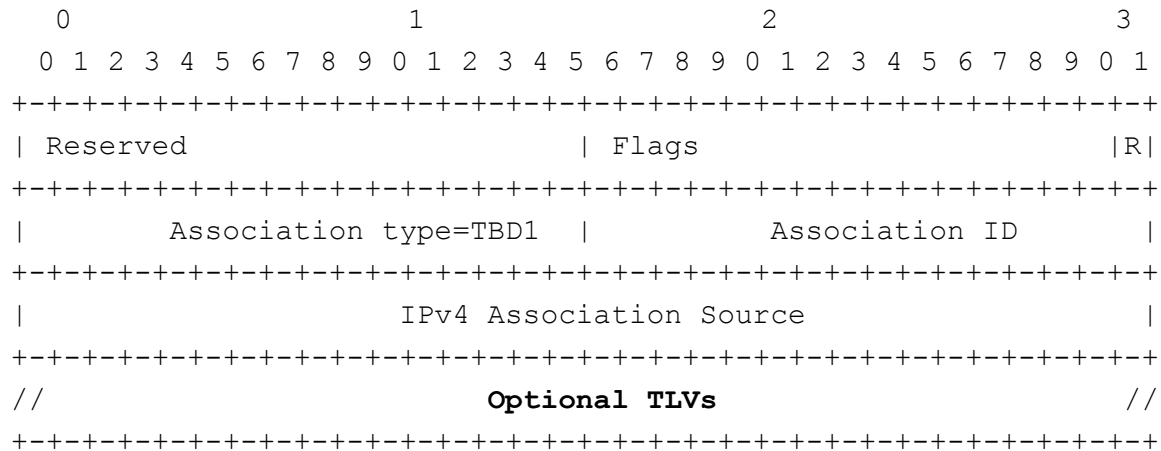
- P-PCE computes paths and determines each domain paths and associate VN1 with LSPs for each Domain
- For each LSP Initiate, Use- **Association Object** to associate VN ID with LSPs



PCEP VN Association Group (VNAG)

- Thus this document defines one new association type called "VN Association Type" of value TBD1.
- The scope and handling of VNAG identifier is similar to the generic association identifier defined in [I-D.ietf-pce-association-group].

The VNAG Object formats (IPV4)



The VIRTUAL-NETWORK-TLV formats

Summary & Next Step

- An early multi-vendor implementation is in progress.
- Continue to refine the document.