

P2MP Policy

draft-ietf-pim-p2mp-policy-ping

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Update/Relevant Drafts

[draft-spring-sr-replication-segment-07 \(adopted\)](#)

[draft-ietf-pim-sr-p2mp-policy-04 \(adopted\)](#)

[draft-hb-spring-sr-p2mp-policy-yang-02 \(need to revive it\)](#)

[draft-ietf-bess-mvpn-evpn-sr-p2mp-04 \(adopted\)](#)

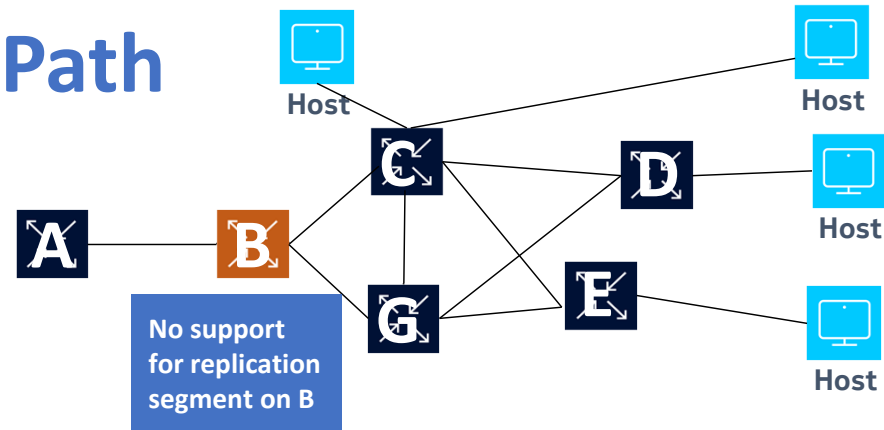
[draft-ietf-pce-sr-p2mp-policy-00 \(adopted\)](#)

[draft-hb-idr-sr-p2mp-policy-04 \(Good support should be adopted\)](#)

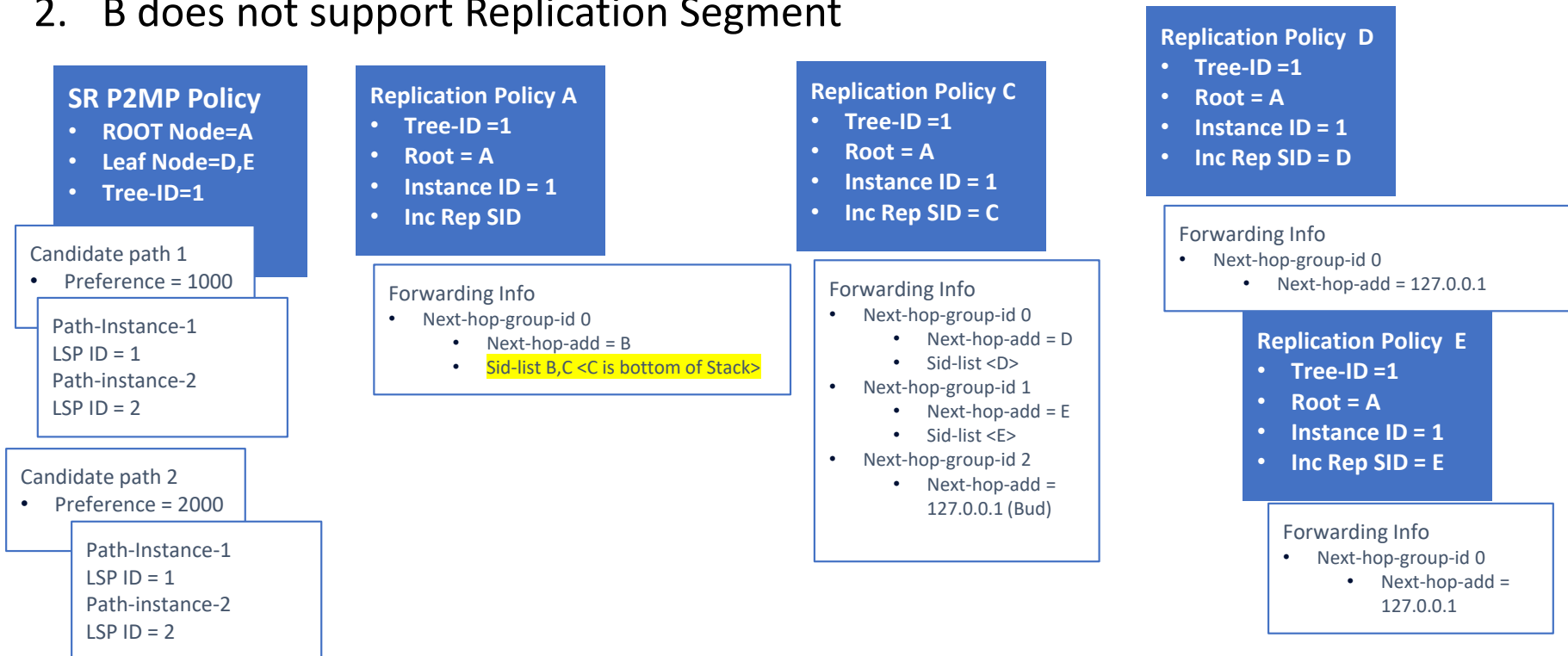
[draft-ietf-pim-p2mp-policy-ping-001 \(adopted\)](#)

Example 1

Single Candidate Path



1. The primary path (candidate path 1) is A to C to LEAF D and LEAF E with C being a BUD node
2. B does not support Replication Segment



Details

- To test every Candidate Path (active or backup) and its corresponding Path Instance.
- Only for MPLS SR
 - For SRv6 there will be a separate draft based on draft-ietf-6man-spring-srv6
- Reuses RFC4379 for packet construction
- Reuses RFC6425 P2MP MPLS – Extensions to LSP Ping for most common concepts
- Detecting faults in the SR Unicast domain (SID-LIST) is beyond the scope of this draft. Procedures are only valid between Replication Segments.
- Introduces 1 new sub-TLVs for Target FEC Stack TLV, the following is proposed.

Sub-Type	Length	Value Field
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TBD	variable	P2MP Policy MPLS CP

Next Steps

- Asking for adoption of this draft

Thank you!