

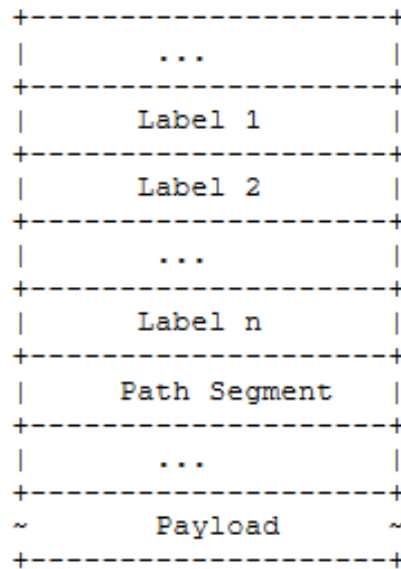
LSP Ping for SR Path SIDs

draft-xp-mpls-spring-lsp-ping-path-sid-03

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Path Segment definition

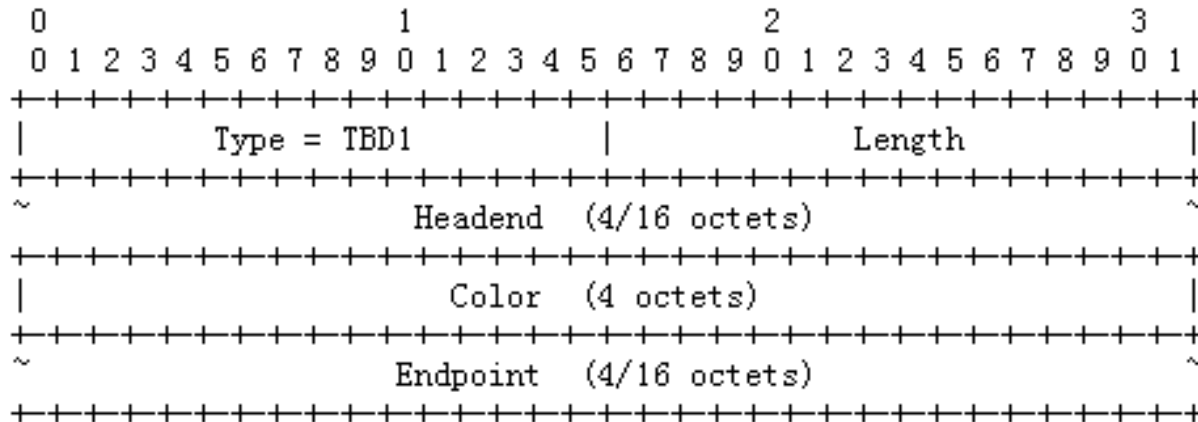


- As defined in [I-D.ietf-spring-mpls-path-segment], the Path Segment is normally used by the egress nodes for path identification
- Path Segment **MUST** be inserted at the ingress node
- Path Segment **MUST NOT** be popped off until it reaches the egress node

Intention of this draft

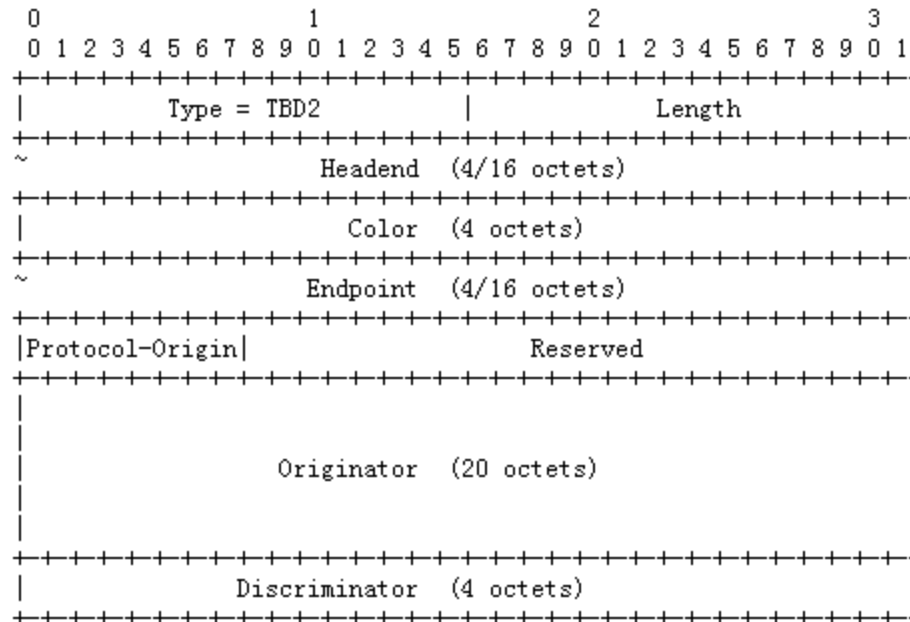
- Provides definition of Target FEC sub-TLVs for Path Segment
- As defined in [I-D.ietf-spring-mpls-path-segment], the Path Segment may be used to identify an SR Policy, its Candidate Path, or a Segment List
 - Target FEC SR Policy's Path SID sub-TLV
 - Target FEC SR Candidate Path's Path SID sub-TLV
 - Target FEC SR Segment List's Path SID sub-TLV

SR Policy's Path SID sub-TLV



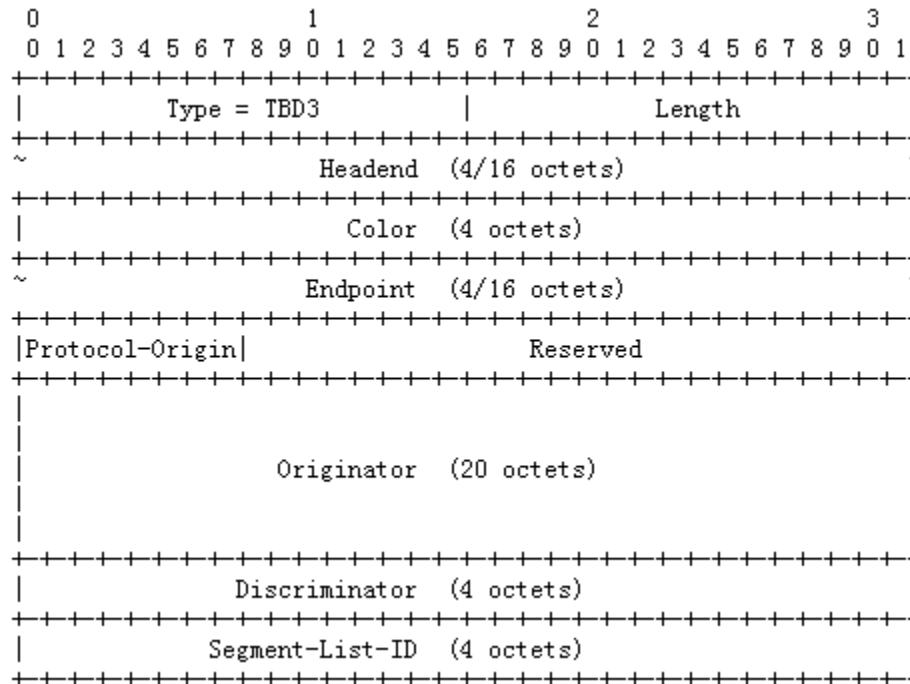
- An SR Policy MUST be identified through the tuple <headend, color, endpoint> (as specified in [I-D.ietf-spring-segment-routing-policy])
- When the Path Segment is used to identify an SR Policy, this Target FEC sub-TLV would be included in the LSP Ping message

SR Candidate Path's Path SID sub-TLV



- An SR Candidate Path MUST be identified through the tuple <headend, color, endpoint, protocol-origin, originator, discriminator> (as specified in [I-D.ietf-spring-segment-routing-policy])
- When the Path Segment is used to identify an SR Candidate Path, this Target FEC sub-TLV would be included in the LSP Ping message

SR Segment List's Path SID sub-TLV



- An SR Segment List can be identified through the tuple < headend, color, endpoint, protocol-origin, originator, discriminator, segment-list-id >
- When the Path Segment is used to identify an SR Segment List, this Target FEC sub-TLV would be included in the LSP Ping message

Next step

- WG adoption?

Thank you!