

RSVP-TE Based MPLS LI & LB

draft-dong-ccamp-rsvp-te-mpls-tp-li-lb-05

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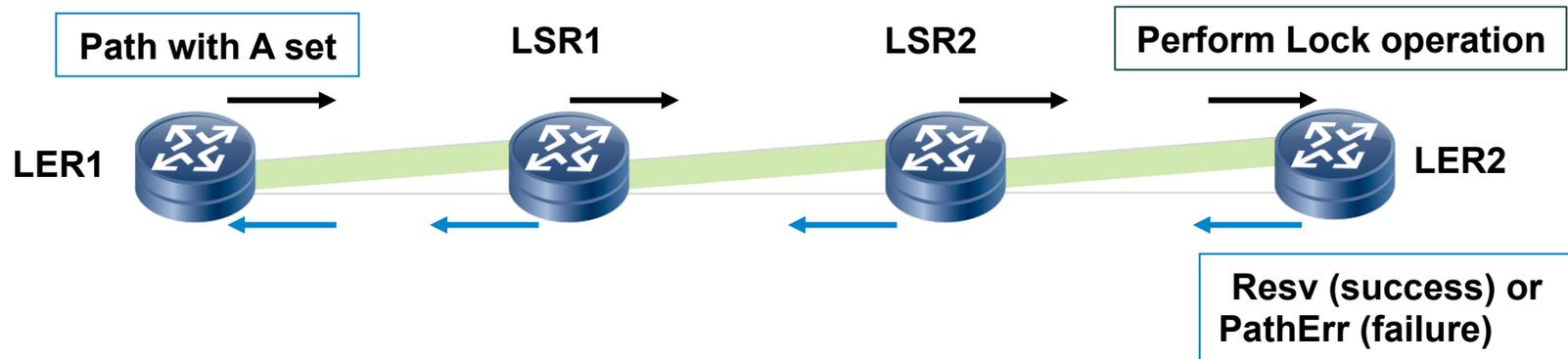
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Background

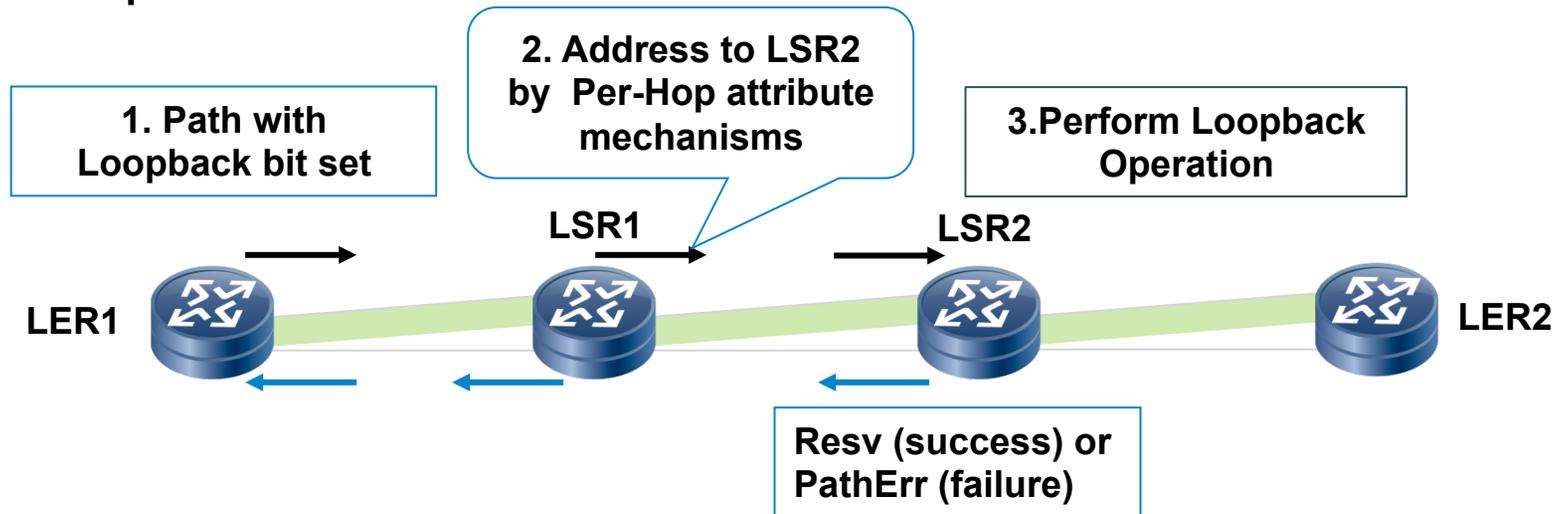
- LI&LB are useful OAM functions in a transport network
 - The lock function enables an operator to lock a transport path such that it does not carry client traffic, but can continue to carry OAM messages and may carry test traffic.
 - The loopback function allows an operator to set a specific node on the transport path into loopback mode such that it returns all received data.
- The LI&LB requirement defined in RFC 5860, and NMS based LI & LB defined in RFC 6435
 - Suitable for the scenario where no control plane used
- This document introduces a general control plane based LI&LB
 - LI&LB affect the data plane of the LSP
 - Control plane based LI&LB can ensure control plane & data plane consistency

Solution Overview

- Lock Instruct



- Loopback



Updates

- Pre-version-05
 - Mainly designed for MPLS-TP network
 - Complementary to the NMS based LI & LB
- Updates in version-05
 - Generalize the application scope (according to Lou's suggestion)
 - To both MPLS-TP and non-MPLS-TP scenarios
 - Updated the terminologies and relevant description to align with the conventions of CCAMP
 - Editorial changes

Next Steps

- Authors think this is ready to be adopted as a WG document