

# **LDP Based PW LI & LB**

draft-dong-pwe3-mpls-tp-li-lb-02

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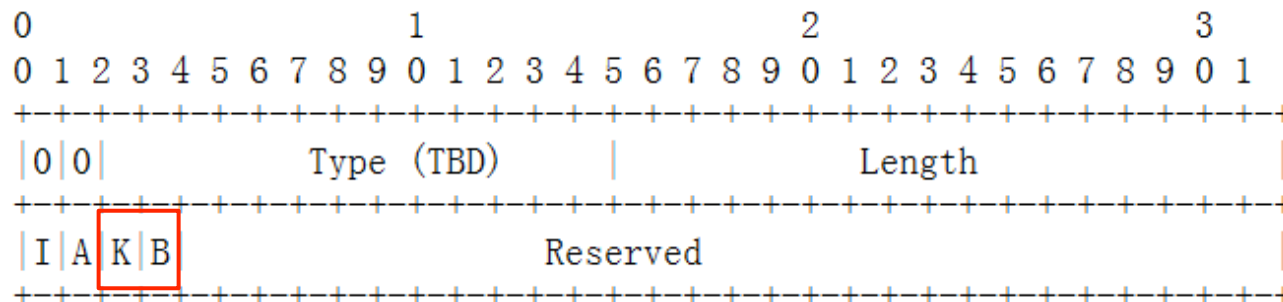
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# Background

- NMS based LI & LB is defined in RFC 6435
  - In-band LI message is additional
  - Suitable for the scenario where no control plane used
- LI and LB affect the data plane of the LSP
  - As enabler of some other OAM functions
- When dynamic control plane exists, could perform LI & LB through control plane signaling
  - Ensure control plane & data plane consistency
  - Complementary to NMS based LI & LB

# Solution Overview

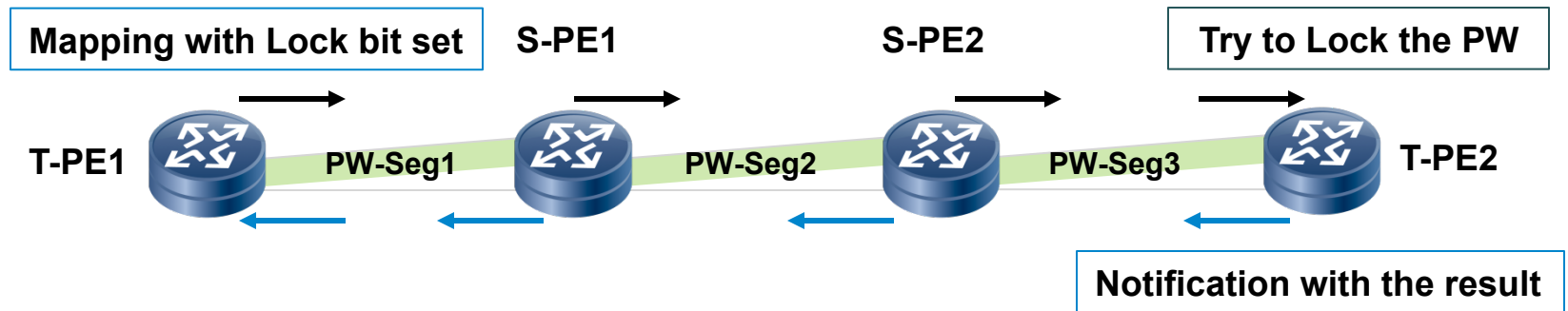
- Two new flags in MPLS-TP PW OAM Administration TLV



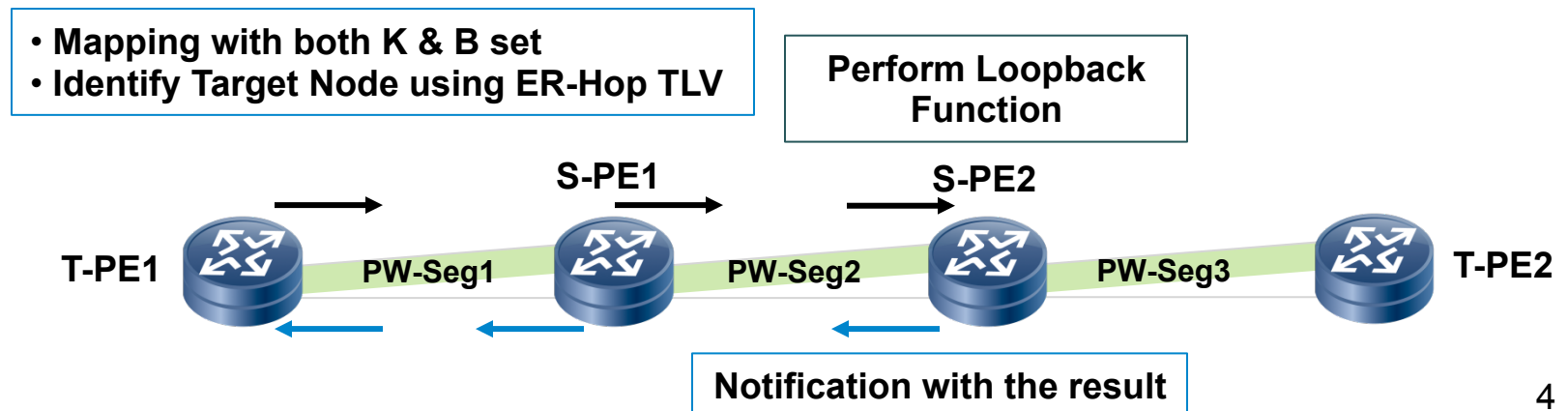
- K: Lock function should be enabled for this PW
  - B: LoopBack function should be enabled for this PW
- Two new Status bits in PW Status TLV
  - Pseudowire in Lock Mode
  - Pseudowire in Loopback Mode

# Solution Overview (cont.)

- Lock Instruct



- Loopback



# Update in v-02

- Editorial changes
- Target Loopback command to MIP/MEP
  - Using ER-Hop TLV

# Next Steps

- Solicit comments & feedbacks
- Would like it to be accepted as WG item!