

# **Associate PW label with PTP application**

draft-fuxh-tictoc-associate-pw-with-ptp-00.txt

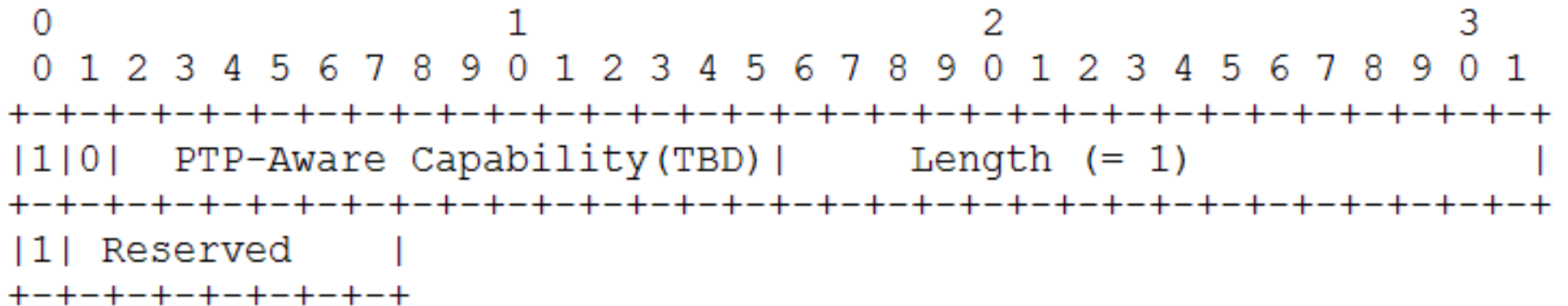
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# Background

- When PTP PDU is mapped inside a PW/LSP via Ethernet encapsulation.
  - If PHP is applied to PTP LSP,
  - If the PW is established between two endpoints directly and no PTP LSP is needed (Dry-Martini),
- PW label must be associated with PTP application at the PW termination point.
- This document extends PW signaling protocol to meet this requirement.
- Configuration by NMS is out scope of this document.

# PTP-Aware Capability Advertisement

- It is useful for PW switching point to announce its capabilities, such as the capability to be PTP-aware. So both PW switching points could know each other of the PTP-aware capability.
  - If both of them could support PTP-aware, PW label could be associated with PTP traffic during the label mapping.
- This document introduces a new Capability Parameter TLV [RFC5561], PTP-Aware Capability.





# Next Step

- Supplement BGP extension in next version
- Collect feedbacks from the meeting and list