

# Return Path Specified LSP Ping

draft-ietf-mpls-return-path-specified-lsp-ping-04.txt

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# Return Path Specified LSP Ping Overview

- **Specify the return path of the echo reply in the echo request message, by**
  - Introduce a new reply mode: **Reply via specified return path (5)**
  - Define a new TLV: **Reply Path TLV**, identify the specified return path
- **Echo reply is extended to test the return path**
  - By carrying the FEC stack information of the return path
  - Both directions of a bidirectional LSP tested by a single LSP Ping message exchange

# The changes from 03->04

- **The draft is quite stable**
- **The changes mainly on IANA consideration (see next slides)**
- **Editorial changes**

# The changes from 03->04 (cont.)

- **Version 03**

- Apply existing sub-TLVs of Target FEC Stack TLV to Reply Path TLV
- Reply Path TLV has its own “TLV and sub-TLVs” registry and sub-registry

- **Version 04**

- Expect to apply all existing and future defined sub-TLVs of Target FEC Stack TLV to Reply Path TLV
  - Share the registry and sub-registry with Target FEC Stack TLV
  - But how to register the dedicated sub-TLVs to Reply Path TLV?
    - Re-define the “Vender Private” range?
      - » For Target FEC Stack TLV, it is still the “Vender Private” range,
      - » but for other TLVs, it is treated as a normal number space
    - Or, reserve/allocate a TLV-unique range (e.g., starting from 1024)?
      - » The number spaces split into two part: Common to all TLVs and TLV-unique

# Next steps

- **Address the comments raised on the list**
  - Especially the IANA issue
- **Submit a new version and ask for WG last call**

# Thanks!