

# RFC 4379bis

## draft-smack-mpls-rfc4379bis

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# Objective and Scope

- The Initial goal is to create clean and updated RFC4379bis document.
- The objective is to take LSP Ping to an Internet Standard.
- The scope is to address various updates to LSP Ping:
  - Incorporate valid Errata.
  - Update the reference and citations
  - Incorporate updates from RFCs that update RFC4379.

# Version History

- -00 Version
  - No content changes from RFC4379
- -01 Versions
  - Reference and Citations updated (Obsoleted RFCs 2434, 2030, and 3036 are respectively replaced with RFCs 5226, 5905, and 5036. Additionally, these three documents published as RFCs: RFCs 4447, 5085, and 4761)
- -02 Version
  - All Errata updated (108, 1418, 1714, 1786, 3399, 742, 2978)
- -03 Version
  - Updated Scope and ToDo section.
- -04 Version
  - Replaced EXP with TC based on update from RFC 5462.

# Version History

- -06 Version
  - Incorporated RFC 6829 Updates, adding PW FECs advertised over IPv6.
- -07 Version
  - Incorporated RFC 7506 Updates.
  - Updated the use of IPv6 ROA for MPLS OAM.
- More to be Updated (See for next steps)

# Next Steps

- Include update from RFC6424 (LSP Ping over MPLS Tunnel)
- Deprecate DSMAP and retain in the document.
- Update references with DDMAP.
- Update IANA section based on RFC 7537 (IANA Registries for LSP Ping Code Points)
- Discuss to identify the list of updates to be incorporated.
  - RFC 6425 (LSP Ping for P2MP LSP) , RFC 6426 (MLS On-Demand CC/CV) will not be included.
  - Mail sent to WG with summary of RFCs updating RFC4379.
- Request for WG adoption

# Updates by RFC6424

- A summary of updates by RFC6424
- Updates the validation procedure to include Stitching and Hierarchical LSPs.
- Deprecates DSMAP defined in RFC4379 and replaces it with DDMAP.
- Introduces a new TLV as FEC Stack Change Sub-TLV
- Introduces 2 New return codes.
- Check and include IANA considerations.
- Potential Update
  - Update the return code and DDMAP TLV in respective section, Remove (or Deprecate DSMAP);
  - Update the procedure with DDMAP reference in place of DSMAP,
  - Update the procedure section 4.4, 4.5 and 4.6.

Thank you!

Questions/Comments?