

# Clarify BFD Session Bootstrap over MPLS LSP

draft-mirsky-mpls-bfd-bootstrap-clarify

Greg Mirsky

IETF-101 March 2018, London

# Bootstrap BFD session over MPLS LSP

- Because of PHP RFC 5884 defined how to use LSP Ping to bootstrap BFD session
- RFC 5884 does not specify Reply mode setting when LSP Ping is used to bootstrap the BFD session
- RFC 5884 requires that the egress LER sends its BFD control packet before it transmits MPLS LSP Echo reply, if required
- RFC 5884 does not specify how the ingress LER MAY handle BFD Discriminator TLV if one included in the MPLS LSP Echo reply sent by the egress LER:
  - if try to match with any of active BFD sessions for the same <MPLS LSP, FEC>, then what to do if no match found
- Extensive discussion triggered by the Erratta on RFC 5884 directly related to the bootstrapping process

# Proposed clarification

- Sender:
  - Ingress LER SHOULD set Reply mode to “No reply”
- Responder:
  - Egress LER SHOULD NOT include BFD Discriminator TLV in MPLS LSP Echo reply
  - or
  - Ingress LER MUST ignore BFD Discriminator TLV if present in MPLS LSP Echo reply

# Next steps

- Your comments, suggestions, questions always welcome and greatly appreciated
- How to handle?
  - 5884bis
  - Erratta
  - Draft
  - None of the above