

# Fault Management for EVPN Networks

draft-gmsm-bess-evpn-bfd-01

Vengada Prasad Govindan,  
Mudigonda Mallik, Ali Sajassi – Cisco  
Gregory Mirsky – ZTE  
Donald Eastlake – Huawei [d3e3e3@gmail.com](mailto:d3e3e3@gmail.com)

# Coverage of the Draft

- Specify BFD asynchronous mode proactive fault detection in RFC7432 based EVPN networks for
  - Unicast traffic
  - BUM traffic using MP2P
  - BUM traffic using P2MP (LSM)

# Out of Scope

- EVPN using other encapsulations
- BFD demand mode
- BFD Echo function
- Packet loss or delay measurement

# Topics That May be Addressed in Future Version of the Draft

- PBB-EVPN (RFC 7623)
- MP2MP tunnels
- EVPN based Integrated Routing and Bridging

# Some Details

- Uses EVPN LSP ping (draft-jain-bess-evpn-lsp-ping) for bootstrapping
- Specifies encapsulations for unicast and BUM traffic over MP2P tunnels.

# Next Step

- Call for WG adoption

END

**FAULT MANAGEMENT FOR  
EVPN NETWORKS**