

draft-ietf-bess-mvpn-evpn-sr-p2mp-03

# Multicast and Ethernet VPN with Segment Routing P2MP

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# Introduction and History

- Specifies procedures for delivering MVPN and EVPN service over Segment Routing
- Original draft published in 2019, covered only MVPN services
- Draft adopted into BESS in 2020
  - Version 00 (Nov 2020) – added procedures for EVPN services
  - Version 01 (Dec 2020) and 02 (Feb 2021) – mostly editorial changes, IANA codepoint requests

# Current Updates (Version 03)

- Includes procedures for binding MVPN/EVPN service to an ingress-replication P-tunnel in a Segment Routing network
  - Procedures in RFC7988 sufficient for MVPN IR over SR-MPLS
  - For SRv6,
    - I-PMSI and S-PMSI AD routes signal SRv6 Multicast Service SID
    - BGP Prefix-SID attribute [[RFC8669](#)] with SRv6 L3 Service TLV [[I-D.ietf-bess-srv6-services](#)] signals the SRv6 Multicast Service SID
    - New endpoint behaviors defined for packet decapsulation and multicast table lookup (End.DTM4, End.DTM6, End.DTM46)

# Next steps

- Seeking comments
- Questions?