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?