BIER OSPFv3 Extensions
draft-psenak-bier-ospfv3-extensions

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OSPFv3 Extensions

• RFC 8444 describes the OSPFv2 protocol extension for BIER with MPLS Encapsulation.
• draft-psenak-bier-ospfv3-extensions describes OSPFv3 protocol extension for BIER.
• Flooding scope and other machinery is same as OSPFv2 (defined in RFC8444)
Proposes a new Sub-TLV for Prefix TLV
- Carries BIER specific Information
- Carried in the below Prefix TLVs:
  - Intra Area Prefix TLV
  - Inter Area Prefix TLV
• Sub-TLV carried in BIER Sub-TLV
  – Carries MPLS encapsulation specific Information
    • BIER-MPLS Label for each BS Length & Sub-domain ID
    • Specifies a range of label (label, label+MAX_SI)
Next Steps

• Review Comments
• Work Group Adoption Request
Thank you!

Questions/Comments?