



IETF 118, LSR WG  
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# draft-ietf-lsr-igp-ureach-prefix-announce

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# Context

- Presented previously at IETF 114, IETF 115, IETF 116, IETF117
- Adopted by WG after IETF117

# Recent Changes – Signaling U/UP Flags

- OLD

- OSPFv2: U/UP flags were advertised in the Flags field of the OSPFv2 Extended Prefix TLV
- OSPFv3: U/UP flags were advertised in a newly defined Prefix Attribute Flags sub-TLV

- NEW

- Both OSPFv2 and OSPFv3 use the same Prefix Attributes Sub-TLV
  - defined in [I-D.chen-lsr-prefix-extended-flags](#)

# Recent Changes – Signaling U/UP Flags (cont.)

- In OSPFV2, Prefix Attributes Sub-TLV is a Sub-TLV of the OSPFv2 Extended Prefix TLV [[RFC7684](#)]
- In OSPFv3, Prefix Attributes Sub-TLV is a Sub-TLV the following OSPFv3 TLVs as defined in [[RFC8362](#)]
  - Intra-Area Prefix TLV
  - Inter-Area Prefix TLV
  - External Prefix TLV
- [I-D.chen-lsr-prefix-extended-flags](#) – will be presented later today

# Recent Changes – Editorial Changes

- Included comments from Bruno
- Clarification on the U/UP Flags usage
  - to signal unreachability
  - to distinguish from other cases where the prefix may be advertised with unreachable metric

# Next Steps ...

- Comments are welcome