

draft-ietf-ospf-segment-routing-extensions-04

draft-ietf-ospf-ospfv3-segment-routing-extensions-02

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OSPF SR Drafts Evolution

- Originally posted in June 2013 – before IETF 87
- Drafts went through several rounds of updates
- Presented in IETF 88, IETF 90, IETF91
- OSPFv2/v3 SR drafts are in sync

Changes since last IETF

- OSPF Extended Prefix Range TLV
 - Flags (1 octet) field introduced
 - IA-Flag: Inter-Area flag. If set, advertisement is of inter-area type. ABR that is advertising the OSPF Extended Prefix Range TLV between areas MUST set this bit.
 - IA-Flag is used to prevent redundant flooding of Extended Prefix Range TLVs between areas
- More text added about propagation of Extended Prefix Range TLVs between areas

Changes since last IETF

- Prefix SID Sub-TLV
 - N-Flag was re-moved
 - N-Flag was moved to parent TLVs, to allow its usage outside of Segment Routing
 - OSPFv2: N-Flag in Extended Prefix TLV, defined in draft-ietf-ospf-prefix-link-attr
 - OSPFv3: N-bit in Prefix Option, defined in draft-ietf-ospf-ospfv3-lsa-extend

Status

- Multiple OSPF SR implementations available
- Interoperability testing has been performed
- No major churns in encodings are expected
- WG last call during next IETF meeting (IETF 93)