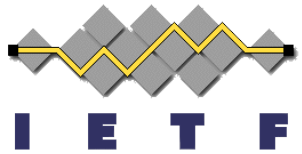
draft-ietf-ospf-segment-routing-extensions-09
draft-ietf-ospf-ospfv3-segment-routing-extensions-06

P. Psenak, S.Previdi, C. Filsfils – Cisco
W. Henderickx – Nokia
Jeff Tantsura
H. Gredler, RtBrick
R. Shakir, Jive Communications



OSPF SR Drafts Evolution

- Originally posted in June 2013 – IETF 87
- Drafts went through several rounds of updates
- Presented in IETF 88, IETF 90, IETF91, IETF93, IETF94, IETF95.
- OSPFv2/v3 SR drafts are kept in sync

OSPFv2 SR Draft Status

- Multiple OSPFv2 SR implementations available
- Interoperability testing has been performed between implementations from different vendors

Changes since last IETF

- Text cleanup wad done as a preparation for the WG LC
- “Implementation Status” chapter has been added
- Text added on how to handle the case when the SID/Label Sub-TLV is not included in the Binding Sub-TLV or if it is included more then once

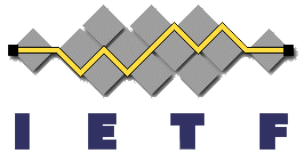
Changes since last IETF

- “Clarification on SR-Algorithm TLV usage
  - “If the SR-Algorithm TLV is not advertised by the node, such node is considered as not being segment routing capable”

OSPFv2 SR Draft Status

- OSPFv2 SR draft has been WGLC-ed
- Some changes may be required as a result of the SR conflict resolution draft progressing:
  - Following text may be removed:
    - “If the Prefix-SID that is advertised in a Prefix SID Sub-TLV is also covered by the OSPF Extended Prefix Range TLV, the Prefix-SID advertised in Prefix SID Sub-TLV MUST be preferred.”
  - “Weight” may be introduced as a per node or per SRMS advertisement attribute

OSPFv2 SR Draft Status (cont.)



- Early code points have been allocated with IANA
  - Early allocation has been extended once already
  - Allocation expires on 2016-10-22
  - Another extension has been requested. Pending AD approval.

OSPFv3 SR Draft Status

- No OSPFv3 SR implementations available
- Wait for implementations to be available before proceeding to WG last call