OSPFP 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
Multiple OSPFv2 SR implementations available

Interoperability testing has been performed between implementations from different vendors
Changes since last IETF

- Text cleanup was 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 than 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