draft-smirnov-ospf-xaf-te-06: “OSPF Routing with Cross-Address Family MPLS Traffic Engineering Tunnels”

• Status:
  - Was presented to OSPF WG at IETF 89
  - Was briefly discussed in a few meetings after
  - Several requests for comments were made on the list (both from the authors and WG chairs)
  - No comments from the WG – neither positive nor negative
  - Has been reviewed by two Routing Directorate reviewers with favorable comments: “use-case is very clear and useful to solve”
Recap of the problem being solved:

- In dual-stack IPv4/IPv6 network using MPLS TE, network operations could be simplified.
- Only advertise TE links in one protocol (OSPFv2 or OSPFv3)
- Share LSPs for traffic from both IPv4 and IPv6
Solution:

- Reuse Node Attribute TLV defined in RFC 5786 to advertise TE endpoints for either IPv4 or IPv6 in either OSPFv2 or OSPFv3