

# Algorithm Related IGP-Adjacency SID Advertisement

draft-peng-lsr-algorithm-related-adjacency-sid-02

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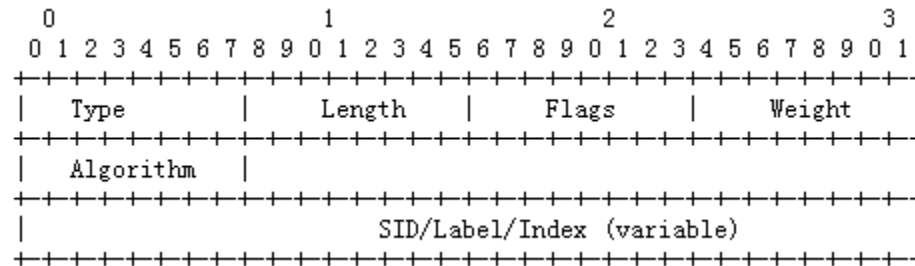
Virtual LSR WG IETF-110 Meeting, March 2021

# Motivation

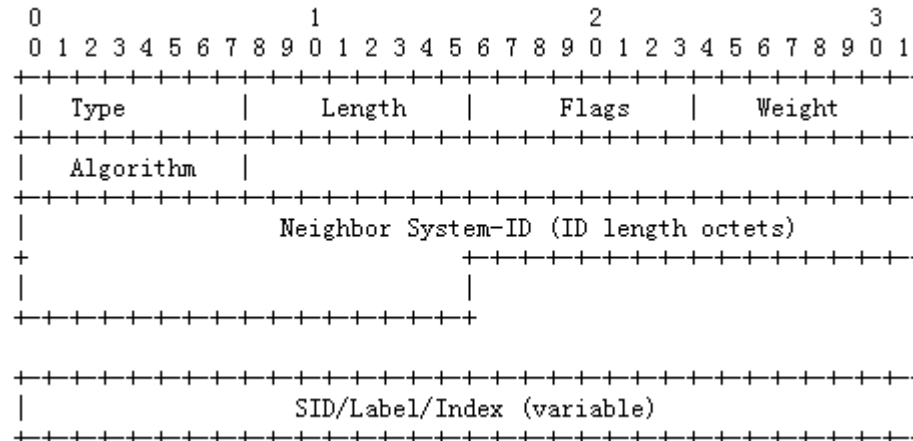
- An algorithm identifier is often included as part of a Prefix-SID advertisement, that maybe not satisfy some scenarios where multiple algorithm share the same link resource.
- This document complement that the algorithm identifier can be also included as part of a Adjacency-SID advertisement.
- The method introduced in the draft enables the traffic of different flex-algo plane to be distinguished on the same link, so that these traffic can be applied with different QoS policy per algorithm.

# ISIS Adj-SID per Algorithm

- A new sub-TLV of TLV-22/222/23/223/141:
  - ISIS Adj-SID per Algorithm Sub-TLV

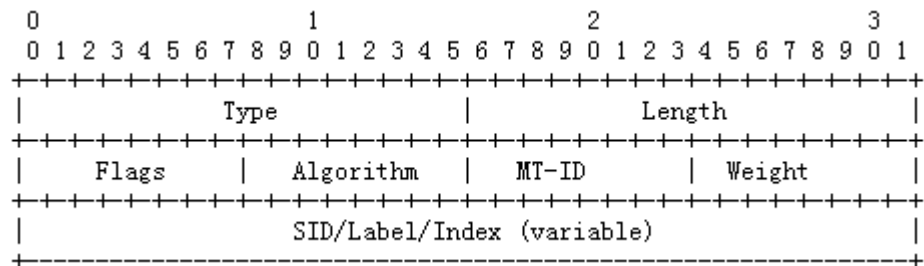


- A new sub-TLV of TLV-22/222/23/223:
  - ISIS LAN-Adj-SID per Algorithm Sub-TLV

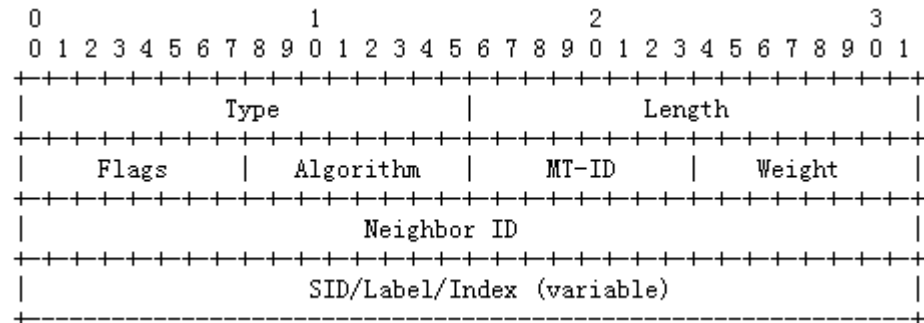


# OSPF Adj-SID per Algorithm

- A new sub-TLV of Extended Link TLV defined in [RFC7684]:
  - OSPF Adj-SID per Algorithm Sub-TLV

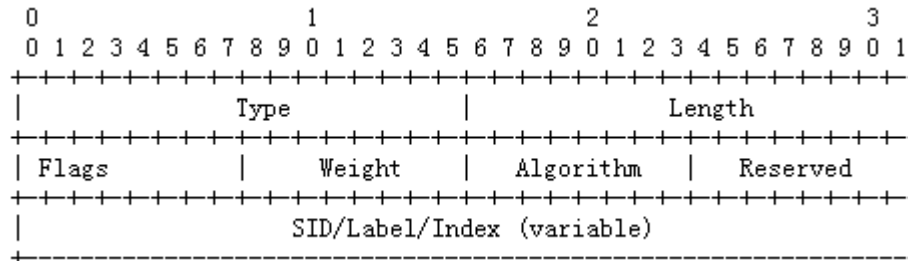


- A new sub-TLV of Extended Link TLV defined in [RFC7684] :
  - ospf LAN-Adj-SID per Algorithm Sub-TLV

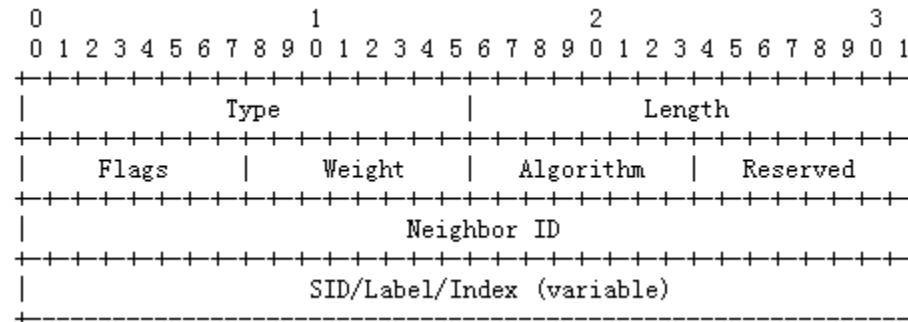


# OSPFv3 Adj-SID per Algorithm

- A new sub-TLV of Router-Link TLV defined in [RFC8362]:
  - OSPFv3 Adj-SID per Algorithm Sub-TLV



- A new sub-TLV Router-Link TLV defined in [RFC8362] :
  - OSPFv3 LAN Adj-SID per Algorithm Sub-TLV



# Next Step

- Request review and feedback from WG

# Thanks!