

draft-ietf-bier-ospf-bier-extensions-00.txt

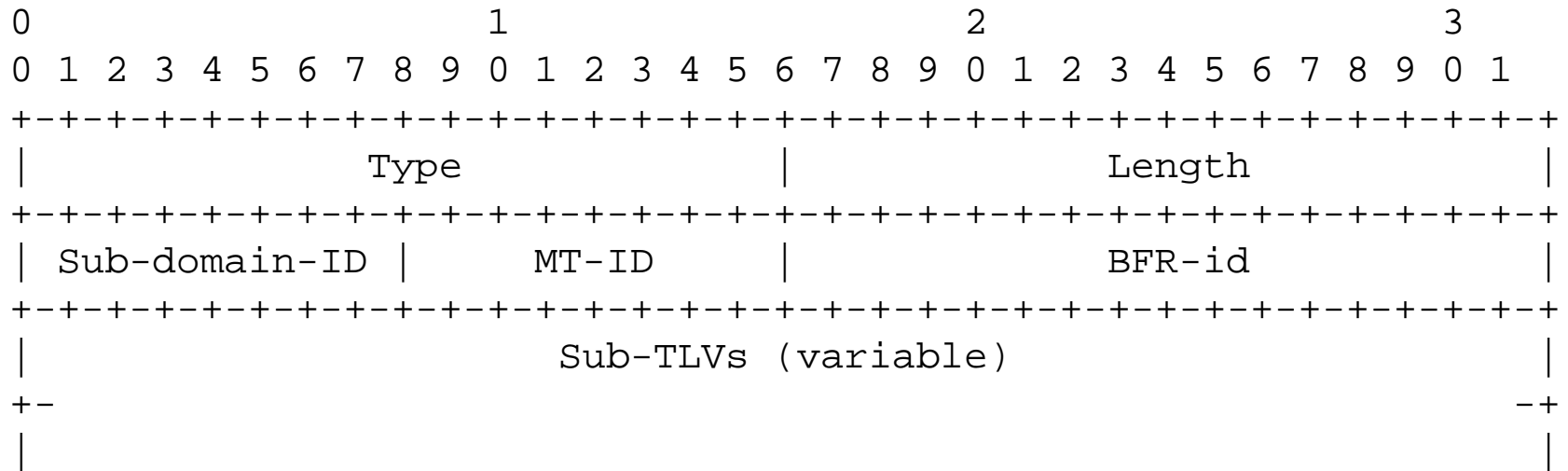
P. Psenak, N. Kumar, IJ. Wijnands – Cisco Systems
J. Zhang – Juniper Networks
A. Dolganow - Alcatel-Lucent
T. Przygienda- Ericsson
S. Aldrin – Google

BFR Prefix

- Unique (within a given BIER domain), routable IP address that is assign to each BIER router
- All the BIER specific information that a BIER router needs to advertise to other BIER routers are associated with the BFR-Prefix
- OSPF Extended Prefix Opaque LSA is used to flood BIER related information

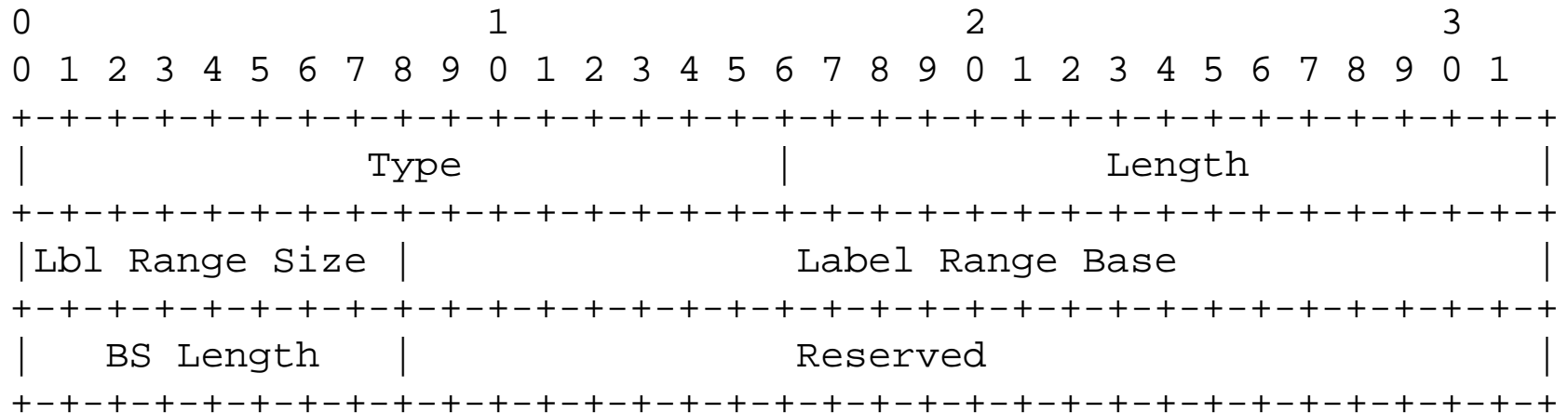
BIER Sub-TLV

- Sub-TLV of the Extended Prefix TLV
 - ietf-ospf-prefix-link-attr
- Multiple BIER Sub-TLVs may be included



BIER MPLS Encapsulation Sub-TLV

- sub-TLV of the BIER Sub-TLV
- advertises MPLS specific information used for BIER



BIER info flooding

- OSPF Extended Prefix Opaque LSA
- Propagated between areas
- Propagation follows the generation of Type-3 LSAs for the BIER prefix
 - prevents looping of BIER info between areas
- BIER info is flooded to stub and NSSA areas similar to Type-3 LSAs

Status

- WG document in BIER