

# OSPF Extension for S-BFD Discriminator

draft-bhatia-ospf-sbfd-discriminator

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# What is S-BFD?

“Seamless” BFD

Each network node pre-allocates one or more discriminators  
“Reflector” session created to listen for pre-allocated discriminators

**Discriminators need to be known network wide**

Other nodes can perform continuity test by sending S-BFD Packet with S-BFD Discriminator  
in the “yourDiscriminator” field

<http://www.ietf.org/id/draft-ietf-bfd-seamless-base-01.txt>

Set of WG documents in the BFD WG

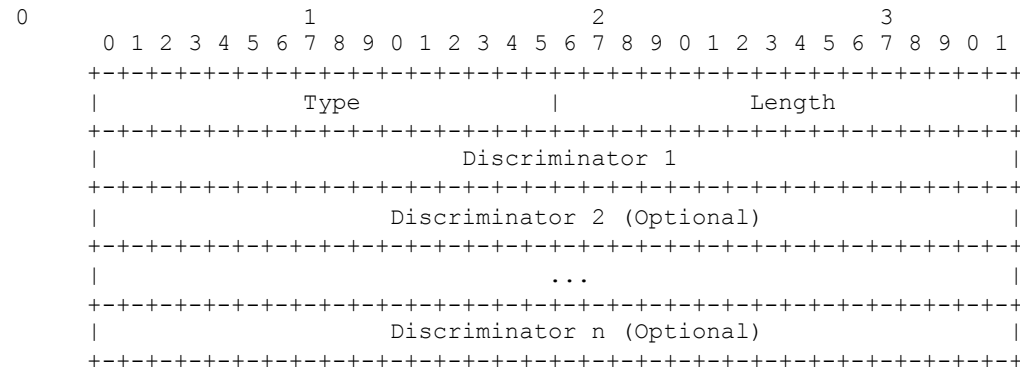
# Why we need OSPF Extension

- Need a mode of transport to advertise the same within IGP domain.
- OSPF and ISIS are extended to support the same.

# OSPF Extension for S-BFD

- Leverages Router Information (RI) Opaque LSA defined in RFC4970.
- A new optional TLV is proposed as “S-BFD Discriminator TLV”
- Works for both OSPFv2 and OSPFv3.

# S-BFD Discriminator TLV



- Optional TLV
- Flexible to carry multiple Discriminators.
- Flooding scope follows RFC4970

# Conclusion

- Questions!
- We ask OSPF WG to adopt this doc.