# rfc6326bis

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- draft-eastlake-isis-rfc6326bis-08.txt

- RFC 6326 “TRILL use of IS-IS” is based on the TRILL protocol in RFC 6325, which was passed up to the IESG in September 2009, almost 3 years ago.

# Changes

- Categories of Changes
  - Multicast Group sub-TLVs
  - Clarifications
  - Robustness
  - Capabilities Announcement
  - Other Extensions
  - IANA Considerations

# Multicast Group sub-TLVs

- Existing: VLAN scoped MAC addresses
- Added:
  - VLAN scoped
    - IPv4, IPv6
  - Fine Grained label scoped
    - MAC, IPv4, IPv6

# Clarifications

- Handling of invalid VLAN IDs in two sub-TLVs
- Zero sources implies (*,G) multicast listener
- Fix Errata: Type for Group Address TLV was wrongly given as 10 in one place (it's 142).

# Robustness

- Require that LSP number zero be no larger than 1470 bytes and contain any originatingLSPBufferSize TLV.

# Capability Announcement

- Expand Existing TRILL-VER sub-TLV value with 32 flag bits
- Add PORT-TRILL-VER sub-TLV with TRILL version and 32 flags bits
- RBridge Channel Protocols supported sub-TLV

# Other Extensions

- Tree Affinity sub-TLV: Ability for an RBridge to specify a child node in listed trees
- Ability to express SNPA size other than 6 bytes in TRILL Neighbor TLV
- Size of Source ID fields in MTU PDUs specified as ID length from IS-IS PDU Header rather than the fixed value 6

# Other Extensions (cont.)

- For two existing sub-TLVs, add fine grained label versions :
  - Interested Labels and Spanning Tree Roots
  - Label Group

# IANA Considerations

- Add sub-registries for
  - Capability bits in TRILL VER sub-TLVs
  - TRILL Neighbor TLV Neighbor RECORD flag bits

# END

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