• draft-eastlake-isis-rfc6326bis-07.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, 2 ½ 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

• Ability to flag special types of nicknames
• 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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