Multi Level/Topology TRILL Status

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Multi-Level Drafts

- draft-ietf-trill-rbridge-multilevel-00
  - Informational: Advantages of and design options for TRILL support of multi-level IS-IS routing.
  - Adopted since July meeting.
  - Most recent presentation was of the non-WG version:
  - One design option in unique RBridge nicknames across the campus versus aggregated nicknames for Level 1 areas.
    - Draft recommends hybrid support of both.
      - Unique nicknames simpler for border RBridges. OK for smaller campuses but can exhaust nicknames in a huge campus.
      - Aggregated nicknames solve the exhaustion but probably requires fast path changes in border RBridges.
Hybrid Multi-level Campus
Multi-Level Drafts

- draft-ietf-trill-multilevel-single-nickname-00
  - Proposed Standard: Specifies a method of aggregation with Level 1 areas identified by the set of border RBRidges.
  - Adopted since July Meeting.
  - Most recent presentation was of the non-WG version:
Multi-Level Drafts

• draft-tissa-trill-multilevel-02 (EXPIRED)
  – Proposed Standard: Specifies a unique nickname method.
  – Most recent presentation was some time ago:
Multi-Topology Draft

- **draft-ietf-trill-rbridge-multi-topology-00**
  - Proposed Standard. Specifies a method of applying IS-IS multi-topology to TRILL.
  - Adopted since July Meeting.
  - Most recent presentation was of the non-WG version:
Proposed Next Steps

• WG Last Call Informational: draft-ietf-trill-rbridge-multilevel-00
• WG Last Call Proposed Standard: draft-ietf-trill-rbridge-multi-topology-00
• Decide on a strategy for standards track documents on multi-level.
  • Add as new/revived unique nickname draft?
  • Combine drafts for unique and aggregated?
  • There are IPR disclosures against some aggregated nickname methods and unique nickname distribution tree methods.
END