Multi Level/Topology TRILL Status

Donald Eastlake 3rd

d3e3e3@gmail.com

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:
    - https://www.ietf.org/proceedings/93/slides/slides-93-trill-9.pdf
  - 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
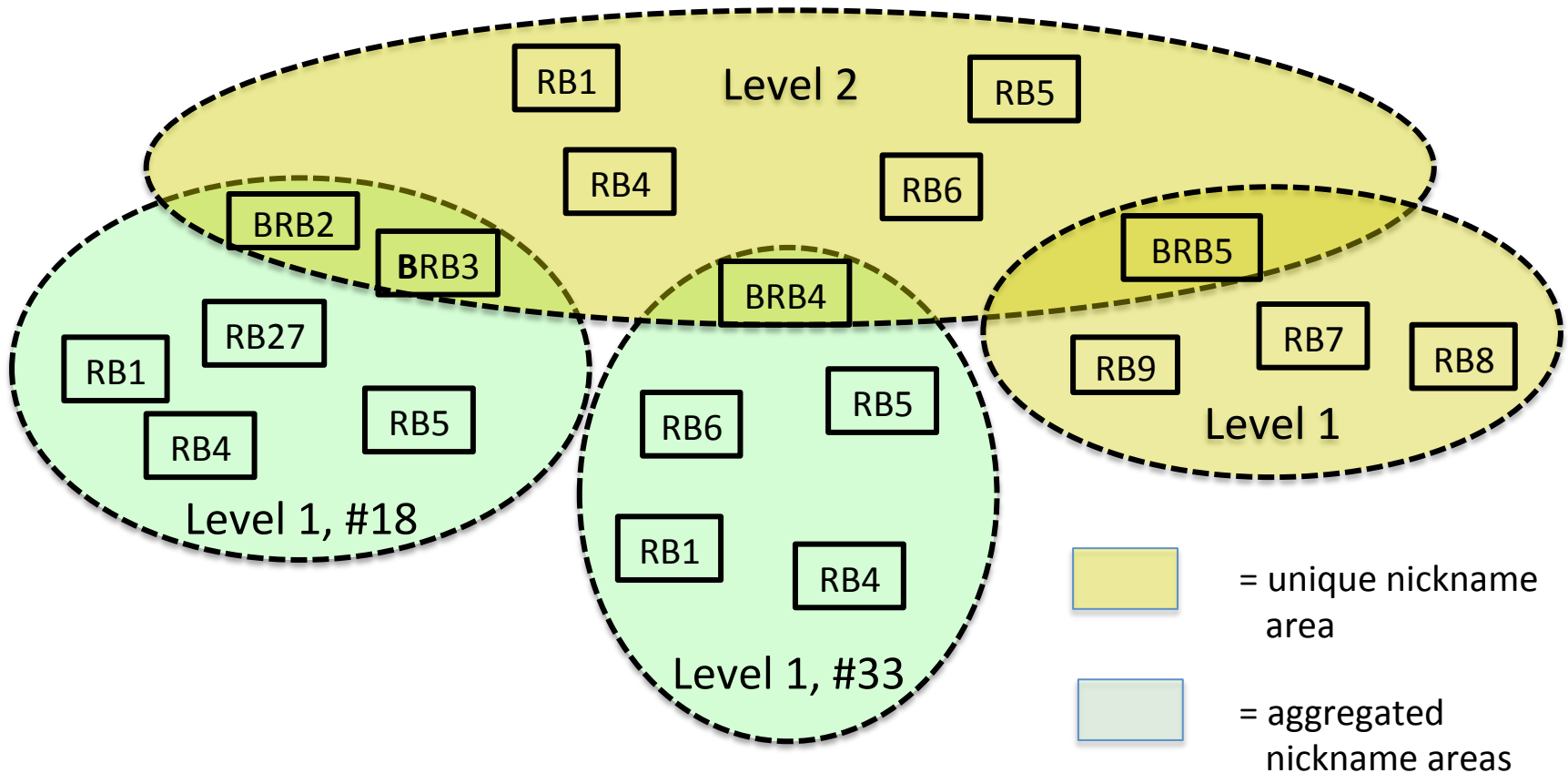
Multi-Level Drafts

- 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:
    - https://www.ietf.org/proceedings/93/slides/slides-93-trill-5.pdf

Multi-Level Drafts

- draft-tissa-trill-multilevel-02 (EXPIRED)
  - Proposed Standard: Specifies a unique nickname method.
  - Most recent presentation was some time ago:
    - http://www.ietf.org/proceedings/83/slides/slides-83-trill-4.pdf

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:
    - https://www.ietf.org/proceedings/93/slides/slides-93-trill-8.pdf

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

TRILL Directory Assisted Edge Status