Label Generation Rules Process for the Root – P2.1 project

IDN Variant TLDs Program

Useful Reading

- IDN Variant TLDs Program Overview: http://toronto45.icann.org/meetings/toronto2012/presentation-idn-variant-tld-overview-18oct12-en.pdf

- The Procedure Document: http://www.icann.org/en/resources/idn/draft-lgr-procedure-24sep12-en.pdf

- Public Comment Deadline: **19 October**

- Public Comment Reply Deadline: **9 November**

Label Generation Rules for IDNA Labels in the Root Zone

- **DNS** labels as useful mnemonics.

- Requires that labels be in a familiar and recognized writing system.

- Not every word or name may be a valid label.

- Adding IDNA labels requires rules.

- Existing Root labels not affected.

LGR Process Goals

Result of process characterized by

- **Utility**
- **Coverage**
- **Not arbitrary**
- **Unbiased**

Develop the process to populate the code point repertoire and the Label Generation Rules for IDNA labels for the root zone.

The project's aim is to develop the process, and not to populate the LGR tool itself.

IAB Principles

These principles constrain the process

Conservatism as an overarching principle

- Longevity

- Usability

- Inclusion

- Simplicity

- Predictability

- Stability

- Letter

- Conservatism

Based on: Sullivan, A., Thaler, D. , Klensin, J. , and O. Kolkman, "Principles for Unicode Code Point Inclusion in Labels in the DNS." draft-iab-dns-zone-codepoint-pples-00.txt. Work in progress.
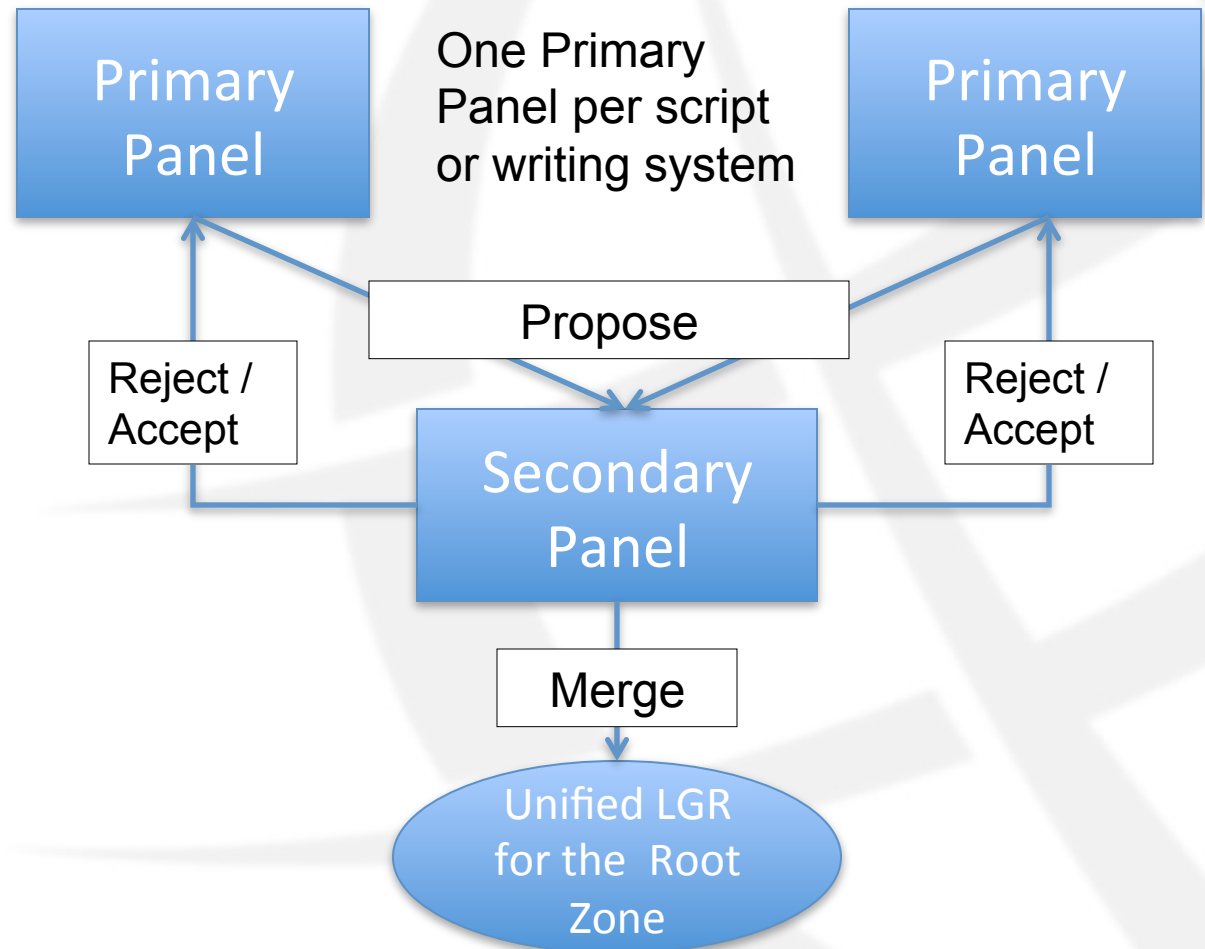
Proposed Two-Stage Process

Unanimous decisions inside and between panels

Panels are independent and have separate membership

Constrained by Principles

Primary Panel

One Primary Panel per script or writing system

Primary Panel

Propose

Reject / Accept

Reject / Accept

Secondary Panel

Merge

Unified LGR for the Root Zone

Primary Panels

- The process will be driven by the Primary Panels that

    - develop the set of rules for a particular script or language environment,

    - create output representing the desired LGR elements for that environment, and

    - submit their proposals for the LGR to the Secondary Panel.

    - consist of volunteer experts interested in a given writing system, plus additional ICANN-paid experts.

Secondary Panel

- The Secondary Panel
  - consists of independent experts in DNS, IDNA, Unicode and scripts,
  - accepts or rejects Primary Panel proposals until agreement is reached,
  - integrates the Primary Panels' proposals into a single, unified LGR for the Root Zone,
  - takes into account the need for a secure, stable and reliable DNS Root Zone.

LGR process output

- Labels will be constrained to be
  - wholly within a given sub-repertoire (usually a script)
  - structurally well formed (crucial for complex scripts)

- Labels in some scripts may have variants, which may be blocked, withheld or allocated.

Initial LGR for the Root

The secondary panel may deliver a version of the root LGR if/when it has strong reason to believe there will be no overlap between the code point range it is delivering and the work by upcoming primary panels.

Progress to Date

- Formed global volunteer team

- Hired expert consultants

- Drafted several versions

- Team Face-to-face meetings in Los Angeles (August) and Toronto (October)

- Initial draft process in public comment (closes 9 November)

Timeline

- Oct 2012:
  - Public Comment
  - 2nd round of consultations with volunteers
- Nov 2012:
  - Post revised draft process for public comment
- March 2013:
  - Publish the Label Generation Rules Process for the root
- April 2013:
  - Board considers the Label Generation Rules Process for the root

Thank You

One World

One Internet

Questions