IDN Variant TLD Program Update

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Agenda

• Program Update – 15 min
• MSR - 15 min
• Community updates:
  o Arabic Generation Panel – 15 min
  o CJK Coordination Report – 15 min
  o Neo-Brahmi Prospective Generation Panel - 15 min
• Q&A - 15 min
# IDN Variant Program: A Brief Overview

## Phase 1: 2011
- Script Case Studies Conducted: Arabic, Chinese, Cyrillic, Devanagari, Greek, Latin

## Phase 2: 2011 – 2012
- Integrated Issues Report development and publication

## Phase 3: 2012 – 2013
- Creation of Procedure to develop and maintain the Label Generation Rules for the Root Zone in Respect of IDNA labels (LGR Procedure)
- Development of “Study on Examining the User Experience Implications of Active Variant TLDs” and XML specification for representing Label Generation Rules

## Phase 4: 2013 – 2015 (In Progress)
- Implementation of LGR procedure
- Processes development for incorporating the LGR
- Ongoing work on XML specification
LGR Procedure Overview

Generation Panels

• Generate proposals for script specific LGRs, based on community expertise and requirements

Integration Panel

• Integrates them into common Root Zone LGR while minimizing the risk to Root Zone as shared resource

Label Generation Rules (LGR)

• Which labels are permissible
• Which variant labels exist
• Which variant labels may be allocated

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* URLs available on Slide 10 (Resources) and last slide
LGR Project Status – Milestones

• Community Work
  o Arabic Generation Panel seated
  o Chinese Generation Panel in formation
  o Japanese, Korean and Neo-Brahmi Generation Panels being organized
  o Individual expression of interests for other scripts

• ICANN/Integration Panel Work
  o MSR-1 released for Public Comments
  o MSR-1 published – 20 June
  o Ongoing outreach efforts

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MSR-1 Public Comment Process


• Inputs received:
  o General:
    ▪ Community support for the conservative approach
  o Process:
    ▪ Need for addition in MSR and LGR (scripts already included)
    ▪ Need for addition in MSR and LGR (scripts not included)
    ▪ Need for review by relevant script community
    ▪ Need for outreach to additional script communities
  o Code points:
    ▪ Inclusion of specific code points
    ▪ Considering inclusion of languages spoken by smaller communities

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Cyclical, additive nature of MSR & LGR

• Motivation
  o Portions of MSR are not reviewed by relevant script community
  o At this time, there is not sufficient data to decide on a code point
  o The status of a code point may change over time

• Recommendation for further feedback
  o Cyclical releases of MSR and LGR so communities and ICANN can organize their work – based on community need and practical considerations
  o Additive releases of MSR and LGR, if new evidence for a code point and no impact on security and stability of existing system

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Outreach Efforts

• Outreach efforts focused on organizing GPs
  o Quick Guide Kit for Generation Panels
  o IDN interviews and videos
  o Email to ICANN executive mailing list to reach out to their contacts to create new GPs

• Keeping community informed
  o Targeted events such as IGF, regional IGFs and ICANN meetings
  o Web announcements and updates on project Community Wiki
  o Brochures and collateral materials

• Facilitate GP-IP interaction

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Moving Forward

• Suggested Plan
  o MSR-2 to cover additional scripts by Q1 2015
  o LGR-1 by Q3 2015 (anticipated; based on community proposals)

• Call to Action
  o Current panels finishing proposals in early 2015 to submit for LGR-1
  o New panels to provide input for future releases of LGR
LGR Procedure Depends on Community Work

• Generation Panels and LGR proposals are REQUIRED for IDN variants to be considered for delegation

• Get involved:
  o Form a generation panel
  o Volunteer to join a generation panel
  o Take part in public review of the MSR, LGR proposals, integrated LGR, etc.
  o Disseminate information to interested individuals communities

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Want To Know More?

Join us for the LGR Workshop!

• IDN Root Zone LGR Generation Panels Workshop
  Wednesday, 25 June 2014 — 13:00–15:00 BST
  Balmoral Room

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Resources

• Toolkit for ‘How to form a Generation Panel’
  o Quick Guide Kit for Generation Panels

• Project mailing lists:
  o LGR@icann.org: Communicate with LGR community members and the Integration Panel on matters related to LGR work
  o IntegrationPanel@icann.org: Contact directly the Integration Panel members on all matters related to LGR work
  o ArabicGP@icann.org, ChineseGP@icann.org, CyrillicGP@icann.org, KoreanGP@icann.org, NeoBrahmiGP@icann.org: script community dedicated mailing lists
  o idntlds@icann.org: Contact ICANN to submit Generation Panel proposals, individual statement of interests, work reports, updates, etc.
  o Discuss issues related to the IDN Variant TLDs Program by subscribing to vip@icann.org here: https://mm.icann.org/mailman/listinfo/vip

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Version 1 of the Maximal Starting Repertoire (MSR-1)
MSR-1 Available

- Work can now proceed for 22 scripts to create LGRs for the Root Zone
- Generation Panels will:
  - pick repertoire from within the MSR
  - decide whether code point variants exist
    - decide whether these should lead to allocatable or blocked variant labels
  - generate an LGR proposal for public comment and review (and integration) by Integration Panel

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MSR-1 Content in Numbers

- 22 scripts
  - Arabic, Bengali, Cyrillic, Devanagari, Georgian, Greek, Gujarati, Gurmukhi, Han, Hangul, Hebrew, Hiragana, Kannada, Katakana, Lao, Latin, Malayalam, Oriya, Sinhala, Tamil, Telugu and Thai
- ‘Common’ and ‘Inherited’ (shared)
- 32,790 code points
  - From 97,973 PVALID/CONTEXT code points defined in Unicode 6.3
  - 11,172 Hangul syllables and 19,850 Han ideographs

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MSR-1 Public Comment Process

• Analysis of inputs received:
  o Requests for revision in code point analysis
  o Request for attention to languages with smaller communities

• Response:
  o 7 additional code points
  o Updated MSR Overview and Rationale document to address inputs received, including explicit use of languages on EGIDS to assess ‘established vitality’ of scripts in use

• Public Comment Report:
Expanded Graded Intergenerational Disruption Scale (EGIDS)

- EGIDS
  - Not based on population size, but on “established vitality”
  - Used as proxy for “effective demand” for the writing system
    - Not a perfect correlation, some writing systems not stable
- For the MSR the IP used the cut-off between Level 4 and Level 5
- 4: Educational
  - Language in vigorous use, with standardization and literature being sustained through a widespread system of institutionally supported education
- 5: Developing
  - Language in vigorous use, with literature in a standardized form being used by some though this is not yet widespread or sustainable

https://www.ethnologue.com/about/language-status

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MSR - Next Steps

• MSR-1 is only the start
• MSR-2 will complete the repertoire
  o Adds some or all of the deferred scripts:
    ▪ Armenian, Ethiopic, Khmer, Myanmar, Thaana and Tibetan
  o Possible further extensions where warranted, including existing script repertoire
• In the meantime, MSR-1 is the basis for LGR-1
GP3 requires a code point excluded from MSR-1, and possessing convincing evidence that the code point is eligible. It would preemptively work on its LGR proposal, and submits it after MSR-2 is released (incorporating the requested code point).

GP4’s script is not included in MSR-1, but is otherwise eligible. It can engage in early dialogue with ICANN and IP, and may preemptively begin work on its LGR proposal.
IP-GP Communications

• Integration Panel available to help Generation Panels to make progress and to ensure successful submissions of script LGRs

• When scripts are related, coordination between GP is needed, so that consistency between LGRs is agreed between GPs before submitting the LGR to IP

• Use integrationpanel@icann.org to reach the Integration Panel
  o Mailing list is archived and public

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Representing LGRs in XML

- What Does XML-LGR Enable?

  - Domain or label to test
  - Simple validity checking, as well as variant label generation and disposition.

  - Machine-readable Label Generation Ruleset

  - System returns a list of variants based on the rules

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XML Status and Next Steps

• Finalize specification and move tool(s) to production state
• Internet draft currently under review by the community
  o Send feedback or discuss on public mailing list: vip@icann.org
• Use the specification as the basis for Root LGR work
• Creating LGRs or Converting to XML Format, generally a straightforward process
• The internet draft contains detailed examples
  o Including how to convert RFC 3743-style IDN tables
• MSR-1 can be used as a template for simple LGR with no variants
• ICANN working on setting up a process to support community in syntactically correct submissions

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Community Work
Arabic Generation Panel
Community Work

CJK Coordination Report

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Community Work

Neo-Brahmi Prospective Generation Panel

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ICANN IDN Team: Thank You

USEFUL LINKS:

• MSR-1 Public Comment: https://www.icann.org/public-comments/msr-2014-03-03-en
• V07 Internet Draft for LGR Rules Toolset Project Published: http://tools.ietf.org/html/draft-davies-idntables-07
• Setting up and running a Generation Panel: https://community.icann.org/display/croscomlgrprocedure/Generation+Panels
• Community Wiki LGR Project website: https://community.icann.org/display/croscomlgrprocedure/Root+Zone+LGR+Project
• For more info on the IDN Variant related pages, please visit: https://www.icann.org/resources/pages/variant-tlds-2012-05-08-en
• To submit expressions of interest, or if you have additional questions, please contact ICANN at: idntlds@icann.org

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