IDN Program Update for ccNSO
IDN Program | ICANN 58 | 14 March 2017
Overview of Presentation

- IDNs at Top Level
  - IDN TLD Program
    - Label Generation Rules (LGR)
    - LGR Toolset
    - IDN Variant TLD Implementation
  - IDN ccTLD Fast Track Process
- IDNs at Second Level for gTLDs
  - IDN Implementation Guidelines
  - Reference Second Level LGRs
- Community Outreach and Involvement
LGR-2 Summary

- Arabic, Georgian, Khmer, Lao and Thai scripts integrated
- Armenian finalized – integrated after LGRs of related scripts received
Status of Generation Panels (GPs)

Label Generation Rules (LGR)

Generation Panel Status

Finalizing
Seated
Active
Forming

28+ Scripts
19+ GPs

Other:
- Hebrew
- Sinhala
- Thaana

Maximal Starting Repertoire (MSR)
Label Generation Rulesets (LGRs) used to generate domain name labels, as specified in [RFC 7940](https://tools.ietf.org/html/rfc7940).

Adding support for “merged” and “element” LGRs for the root zone.

LGR Toolset currently allows for the following:
- Create a LGR
- Use a LGR to validate a label and determine its variants
- Manage LGRs, by comparing or combining them
- Review possible impact of a new or a revised LGR on existing labels

Online beta deployment at: [https://lgrtool.icann.org/](https://lgrtool.icann.org/)

Open source package(s) released with BSD license
- Released at github: lgr-core, lgr-django, munidata

[User guide](https://lgrtool.icann.org/user-guide) available for further details.
IDN Country Code Top-Level Domains

ccTLDs: 57 for 39*

* Successfully evaluated IDN ccTLDs for total countries and territories
IDN ccTLD Fast Track Process

- Launched in late 2009
  - 57 IDN ccTLDs evaluated representing 39 countries/territories
  - 48 IDN ccTLDs delegated representing 38 countries/territories
  - Requests cover 21 scripts for 35 languages

- Currently under review
  - **Public comment** in Jan 2015 raised issues with second similarity review process (EPSRP)
  - **Board resolution** in June 2015 for ccNSO to review EPSRP (with input from GAC and SSAC)
  - ccNSO formed Working Group (WG) on EPSRP
  - **Public comment** in July 2016 on updated EPSRP guidelines
  - **Final report** published, incorporating feedback and discussion
  - ccNSO adopted the final report by WG on EPSRP
IDN Implementation Guidelines

 propósito

- Guías para las políticas y prácticas de registro de segundo nivel IDN
- Diseñadas para abordar preocupaciones del usuario final, por ejemplo, confusión del usuario

Relevancia

- Para registros y registradores de gTLD que ofrezcan IDNs en el nivel de segundo
- Para IDNs de ccTLDs

Estado

- Actualización en curso por el Grupo de Trabajo de Guías IDN: ALAC (2), ccNSO (2), GNSO (6), SSAC (2)
- Boceto final se está publicando para consulta pública
IDN Implementation Guidelines

- Total of 6 topics and 18 recommendations:
  1. Transition (5)
  2. Format of IDN Tables (2)
  3. Consistency of IDN Tables and Practices (4)
  4. IDN Variant Labels (2)
  5. Similarity and Confusability of IDN Labels (4)
  6. Terminology (1)
  7. Registration Data (none?)
  8. EPP (none?)

Appendix B: Glossary of Relevant Terms
Reference Second Level LGRs / IDN Tables

- Reference IDN tables in standard LGR format from RFC 7940
- Developed using Guidelines, vetted for security and stability
- Finalized after a public comment process
- Can be referred to, as registries enhance IDN implementations
- Currently 28 LGRs published
  - Latin: Bosnian, Danish, English, Finnish, French, German, Hungarian, Icelandic, Italian, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Spanish, Swedish
  - Cyrillic: Belarusian, Bosnian, Bulgarian, Macedonian, Montenegrin, Russian, Serbian, Ukrainian
  - Mixed scripts: Korean, Japanese
  - Others: Chinese, Hebrew
Communication and Outreach Efforts

- IDN web pages at [icann.org/idn](icann.org/idn)
- IDN Program sessions at ICANN meetings
- IDN Program updates to SOs/ACs at ICANN meetings

Direct outreach
- SANOG, January 2017, Pakistan
- IGF by GSE team, December 2016, Mexico
- UbuntuNet-Connect by GSE team, Nov., 2016, Uganda

- IDN community wiki pages
- IDN mailing lists
  - {vip, lgr, ArabicGP, ArmenianGP, ChineseGP, …}@icann.org
Thank You

- For information on IDN Program projects, please visit: www.icann.org/idn

- For queries regarding the IDN Program, please email: IDNProgram@icann.org
Engage with ICANN and IDN Program

Thank You and Questions
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