



# ICANN | 54

## *Dublin*



18-22 OCTOBER 2015





# IDN Program Update to GNSO

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# Overview of Presentation

## ◉ IDNs at Top Level

- IDN TLD Program
  - Label Generation Ruleset (LGR)
  - LGR Toolset
  - IDN Variant Implementation
- IDN ccTLD Fast Track Process Implementation

## ◉ IDNs at Second Level for gTLDs

- IDN Implementation Guidelines
- Reference LGRs

## ◉ Community Outreach and Involvement

LGR Specification and Tool (P1)

LGR Development (P2.2)

IDN Variant Implementation (P7)

IDN ccTLD Fast Track

IDN Language Tables

IDN Implementation Guidelines

Communications Plan Execution

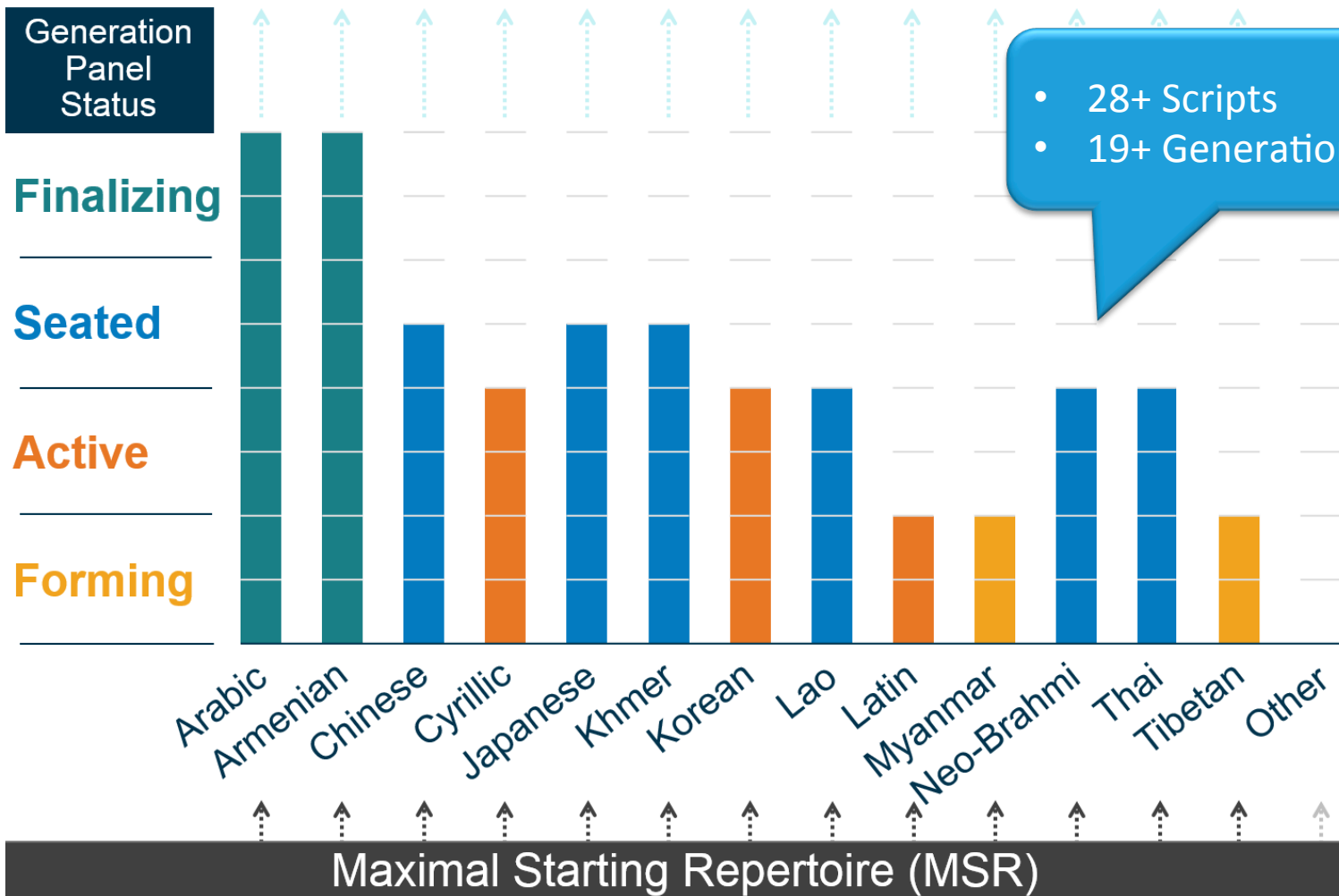
# Root Zone Label Generation Rules (LGR)

- ◉ Guidelines released for GPs on 27 April 2015
  - Supporting technical documents:
    - Variant Rules
    - Whole Label Evaluation (WLE) Rules
    - Representing Label Generation Rulesets using XML
    - [LGR Proposal Template](#)
- ◉ Maximal Starting Repertoire (MSR-2) released on 27 April 2015
  - Total 28 scripts
  - Total 33,490 code points shortlisted from 97,973 candidates
  - Based on Unicode 6.3
  - Upwardly compatible with MSR-1

# Status of LGR Development

## Label Generation Rules (LGR)

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- Other:
  - Ethiopic
  - Georgian
  - Greek
  - Hebrew
  - Sinhala
  - Thaana

# LGR Specification and Toolset

- LGR machine-readable specifications at:

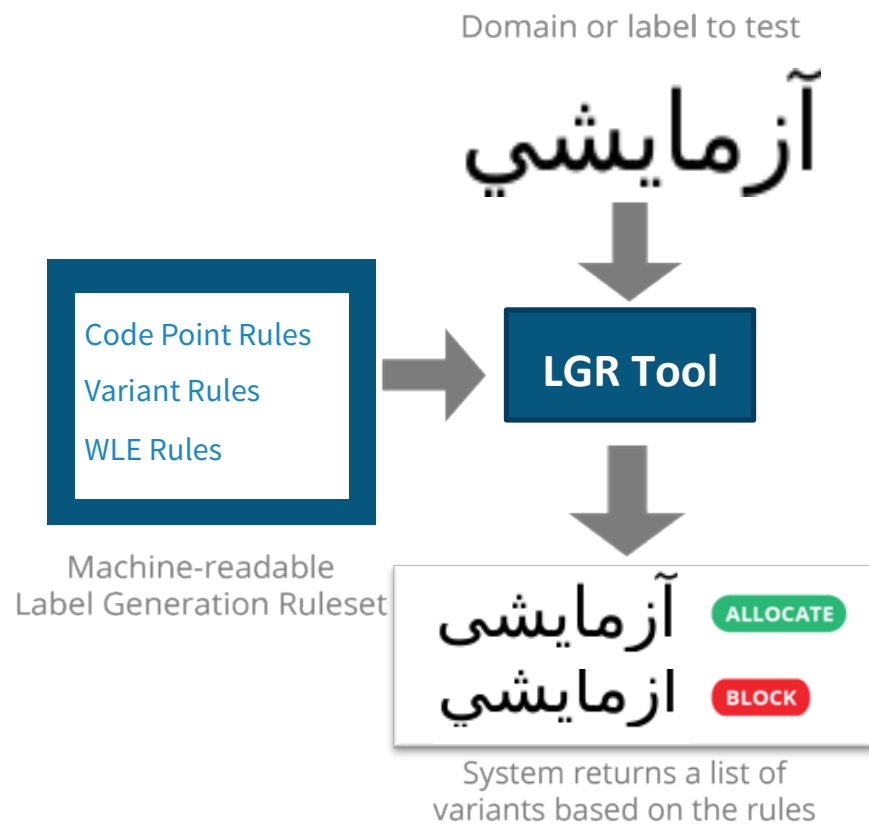
<https://datatracker.ietf.org/doc/draft-davies-idntables>

```
...  
<char cp="06CC" >  
  <var cp="0649" type="blocked" />  
  <var cp="064A" type="allocatable" />  
</char>  
...
```

- LAGER WG at IETF

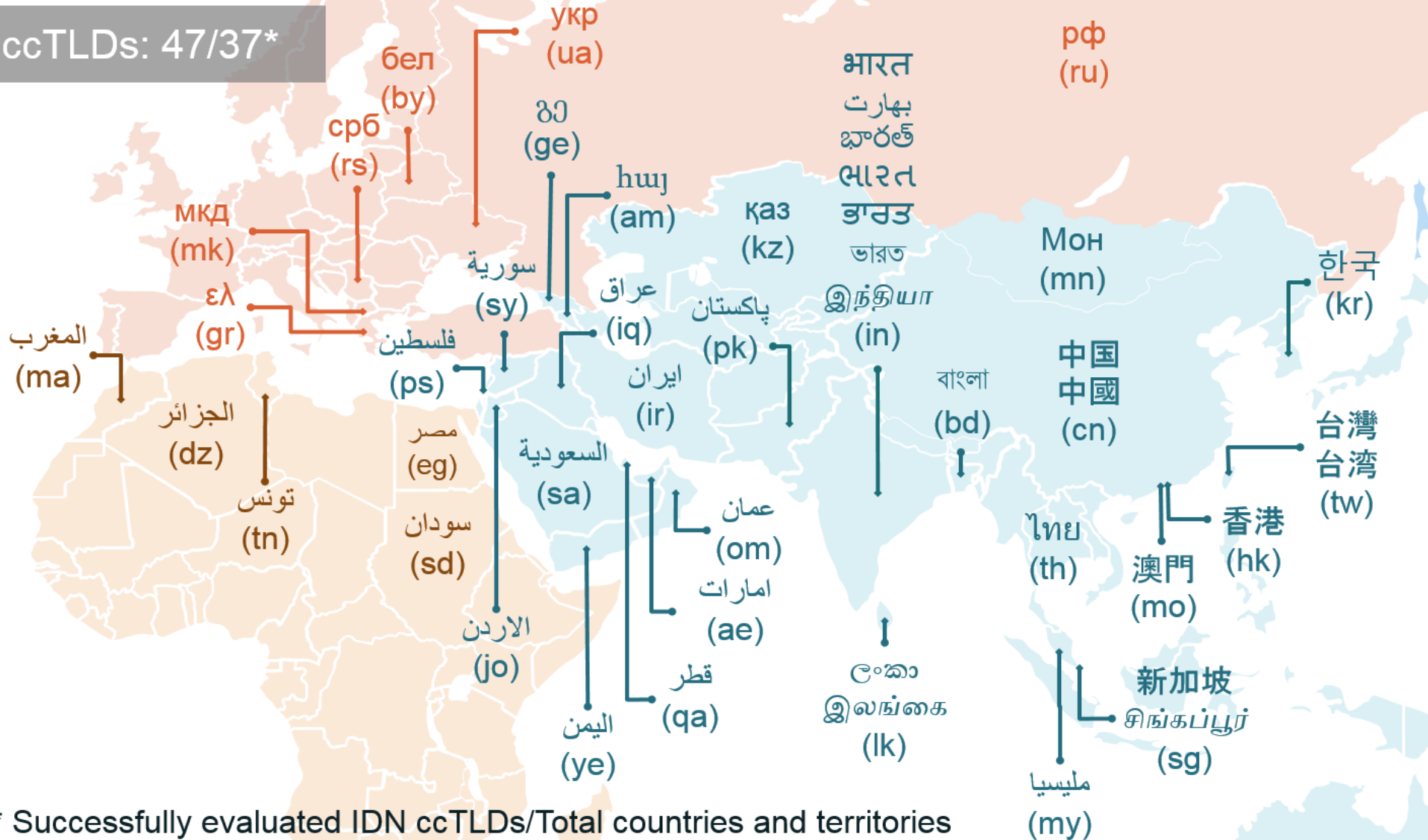
- Toolset tentative timeline:

- Create LGR - available
- Use LGR – 12/15
- Manage LGRs – 3/16
- Open source release



# IDN Country Code Top-Level Domains

ccTLDs: 47/37\*



Successfully evaluated IDN ccTLDs/Total countries and territories

# Reference Second Level LGRs

- ⦿ Language tables submitted by new gTLDs intending to offer IDNs
- ⦿ Reference being developed for facilitation and consistency in
  - Pre-Delegation Testing (PDT)
  - Registry Service Evaluation Process (RSEP)
- ⦿ Registries may submit different tables with supporting documentation
- ⦿ **Current Status**
  - ✓ Guidelines and documentation of authoritative sources
  - Public comments
  - IDN table in LGR format
  - Expert reviews: linguistic - security and stability
  - Public comments
  - Publication after incorporating public feedback
  - **Batch 1:** *Japanese, Korean, Chinese, Danish, Norwegian, Latvian, Lithuanian, Russian, Arabic, Ukrainian, Belarusian, Bulgarian, Macedonian, Bosnian (in Cyrillic and Latin scripts), Serbian, Hebrew*
  - **Batch 2:** *English, Spanish, French, German, Portuguese, Polish, Swedish, Italian, Hungarian, Icelandic, Finnish, Montenegrin*



# IDN Implementation Guidelines

## ⦿ Background and motivation

- To promote IDN registration policies and practices and to minimize consumer risk and confusion
- Last updated in 2011; GNSO community requested for review

## ⦿ Next steps

- [Call for Community Experts to Review the IDN Implementation Guidelines](#) on 20 July 2015
- Nomination of experts by ALAC(2), SSAC(1), gNSO(6) and ccNSO(TBD)
- First meeting during ICANN54

# Communication and Outreach Efforts

- ◉ Updated IDN web pages at [icann.org/idn](https://icann.org/idn)
- ◉ Presentations
  - Support IDN related outreach (APrIGF, ArmenianIGF, TLDCON)
  - Direct outreach (Thailand, Pakistan)
- ◉ Blogs: [Collaborating towards a truly multilingual Internet](#)
- ◉ ICANN community wiki: [Root Zone LGR Project](#)
- ◉ IDN Program sessions at ICANN meetings
- ◉ IDN Program updates to SOs/ACs at ICANN meetings
- ◉ IDN mailing lists
  - {vip, lgr, ArabicGP, ArmenianGP, ChineseGP, ...}@icann.org

# Engage with ICANN and the IDN Program



## Thank You and Questions

Reach us at: [IDNProgram@icann.org](mailto:IDNProgram@icann.org)  
Website: [icann.org/idn](http://icann.org/idn)



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