

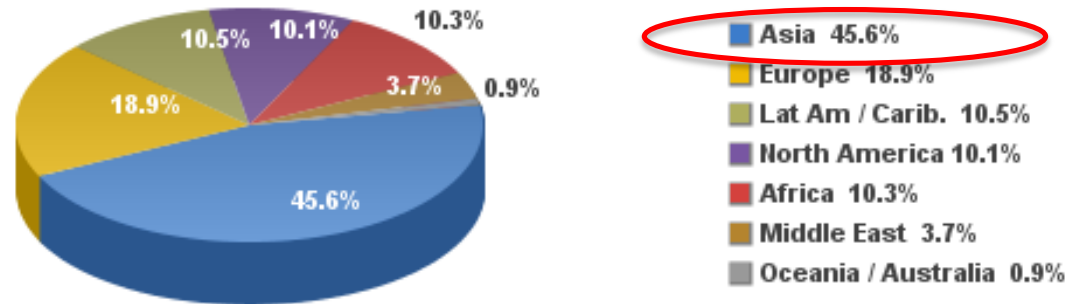


Internationalized Domain Names

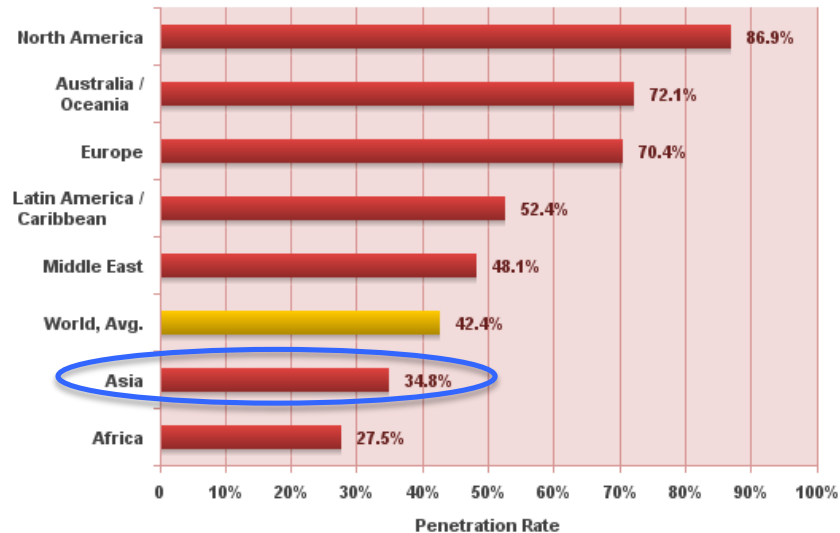
Rinalia Abdul Rahim | ICANN 57 | 7 Nov. 2016

Asia and the Next billion Internet Users

◎ 3 billion Internet users in the world



◎ Asia Internet penetration still low



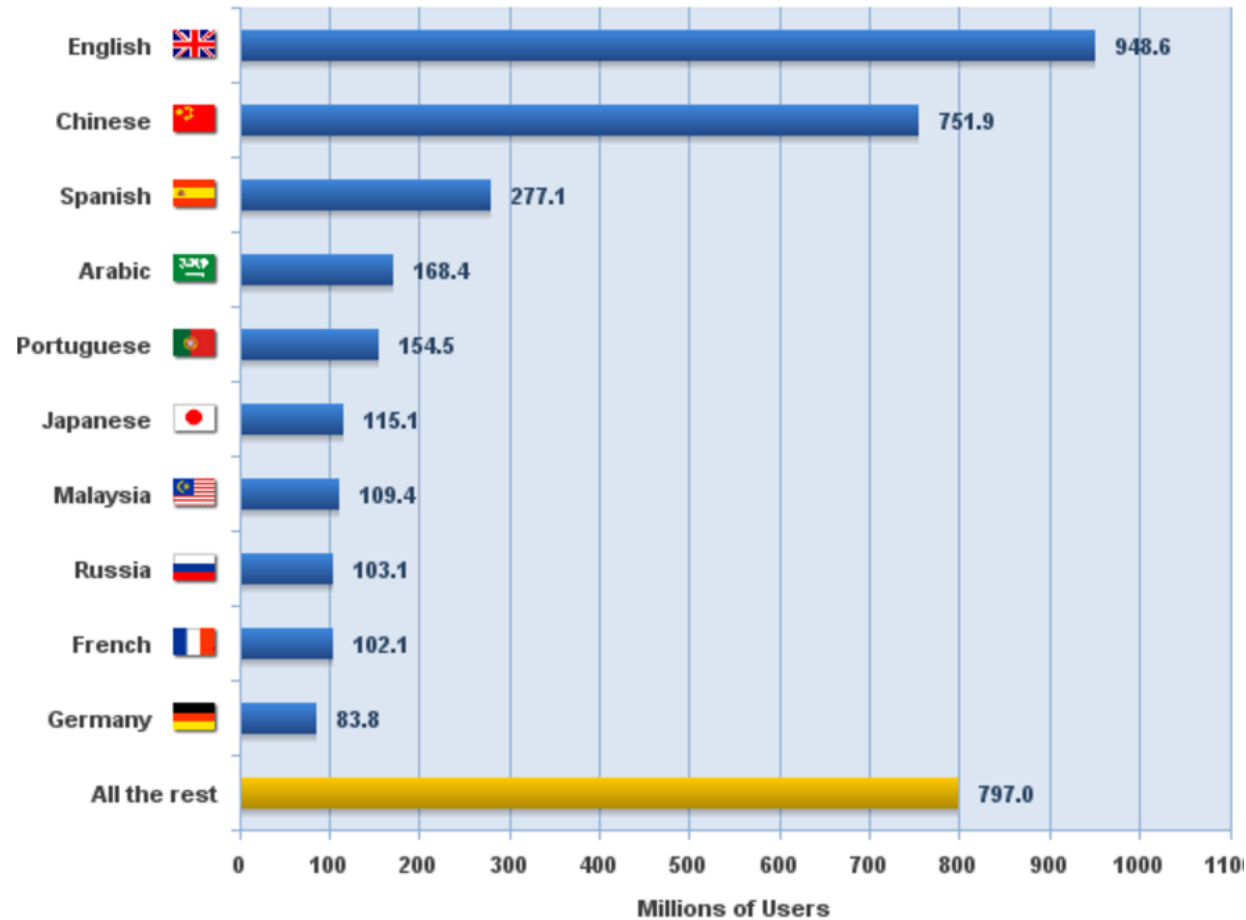
◎ Asia - majority of next billion people coming online

Source: www.internetworldstats.com; Euromonitor

Internationalized Domain Names (IDNs)

- Domain names which can be represented in different scripts, e.g. Arabic, Chinese, Devanagari, and Thai
- IDNs enable opportunities for local communities to come online

Top Ten Languages in the Internet
in millions of users - June 2016



Overview of IDN Program at ICANN

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

LGR Specification and Tool (P1)

LGR Development (P2.2)

IDN Variant TLD Implementation (P7)

IDN ccTLD Fast Track

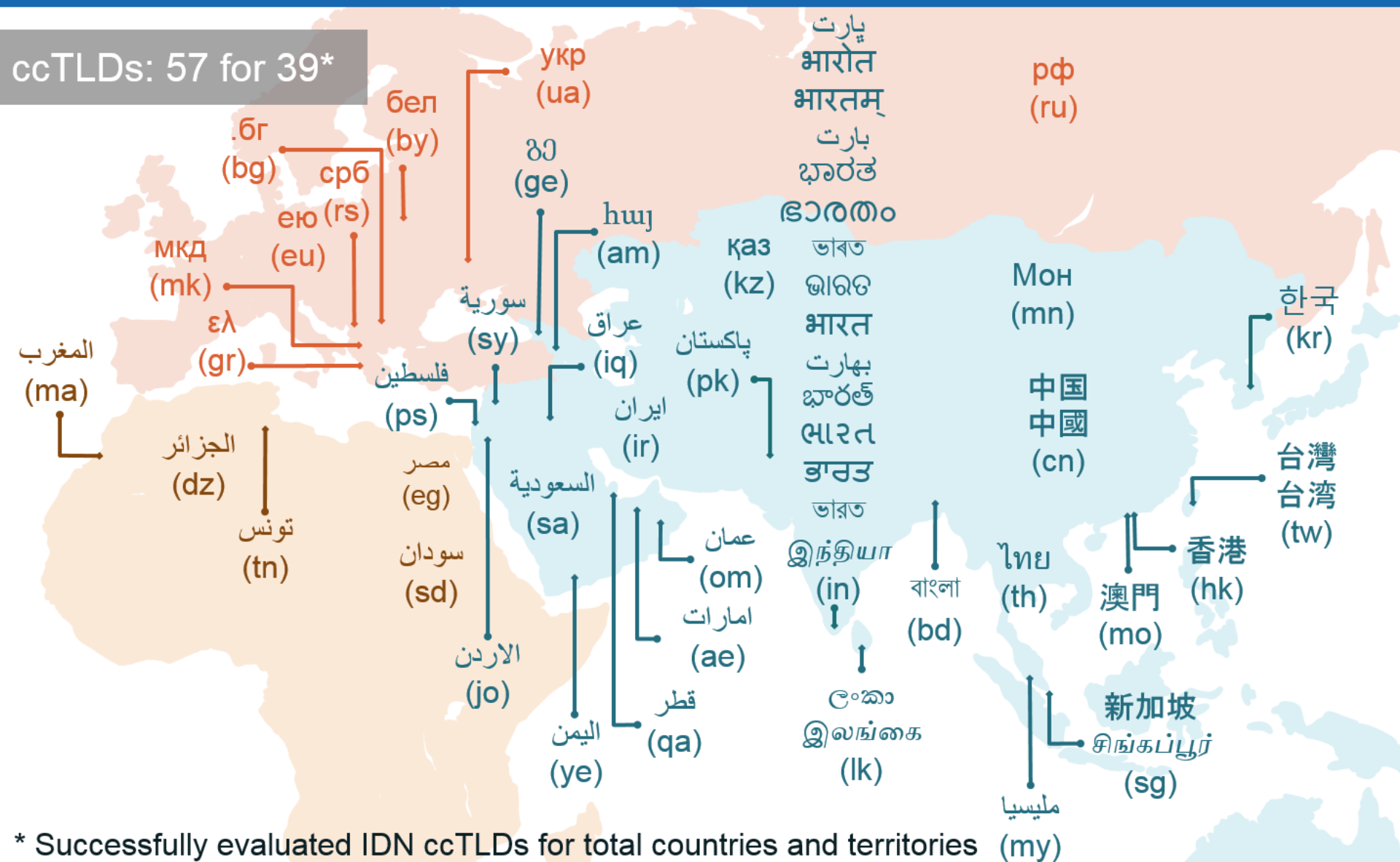
Reference Second Level LGRs (IDN Tables)

IDN Implementation Guidelines

Communications Plan Execution

IDN Country Code Top-Level Domains

ccTLDs: 57 for 39*



* Successfully evaluated IDN ccTLDs for total countries and territories

ASCII and IDNs

www.cafe.com



Third Level Domain Second Level Domain Top Level Domain (TLD)



Syntax of ASCII TLD
Use only **Letters [a-z]**

हिन्दी.भारत



IDN
Second
Level
Domain

IDN Top
Level
Domain
(TLD)



Syntax of IDN TLD
U-Label, constrained by
the **“letter” principle**

What is a “letter” in a script?
Are all “letters” unique in a
script?

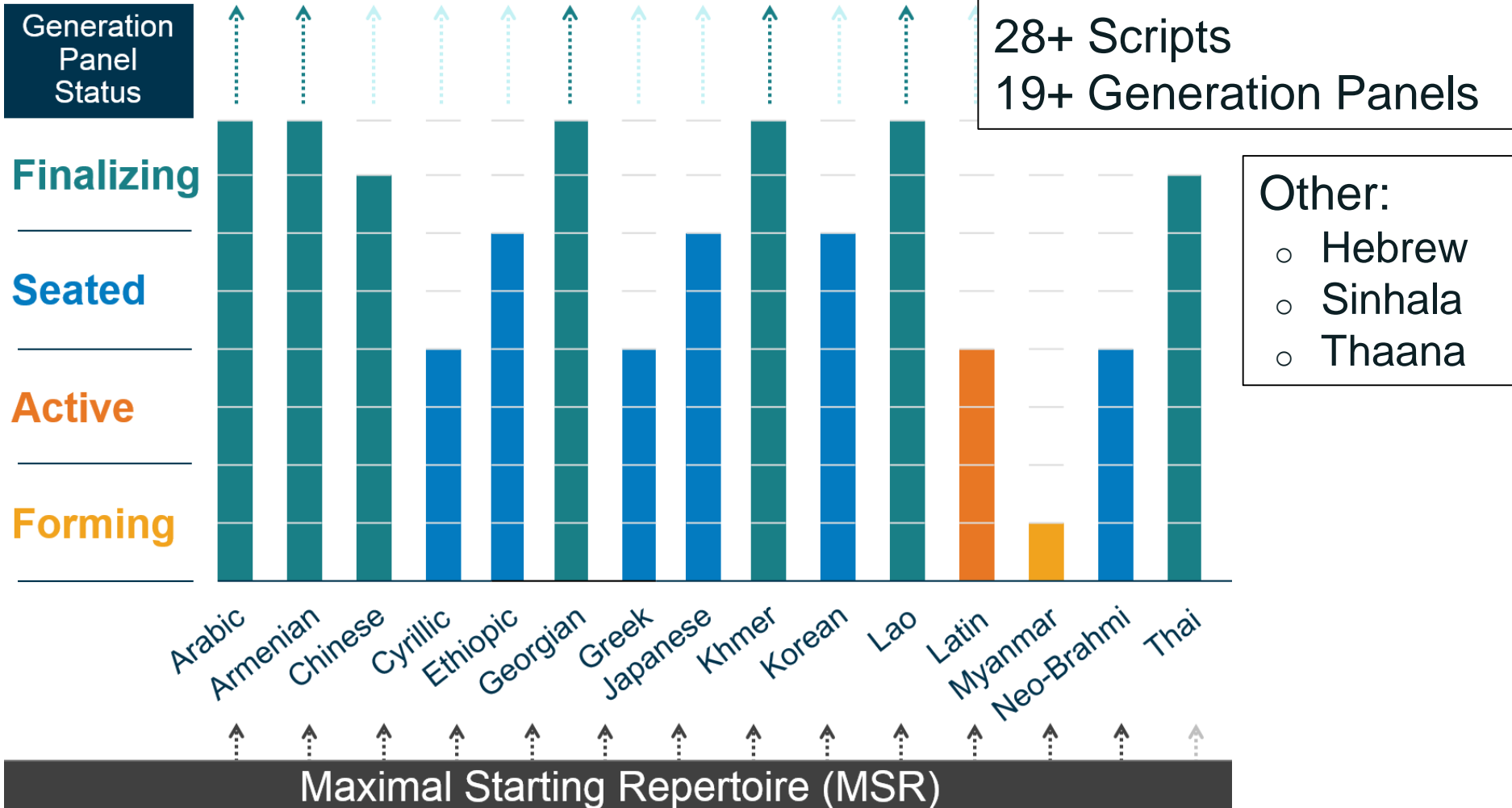
IDN TLD Program: Label Generation Rules (LGR) for the Root Zone

- ⦿ Need for community to determine valid and unique IDN Top Level Domains (TLDs)
- ⦿ For each script or writing system, community to define:
 - ⦿ Which code points are valid for use?
 - ⦿ Are any of these code points variants of each other?
 - ⦿ Are there any additional constraints on the labels?

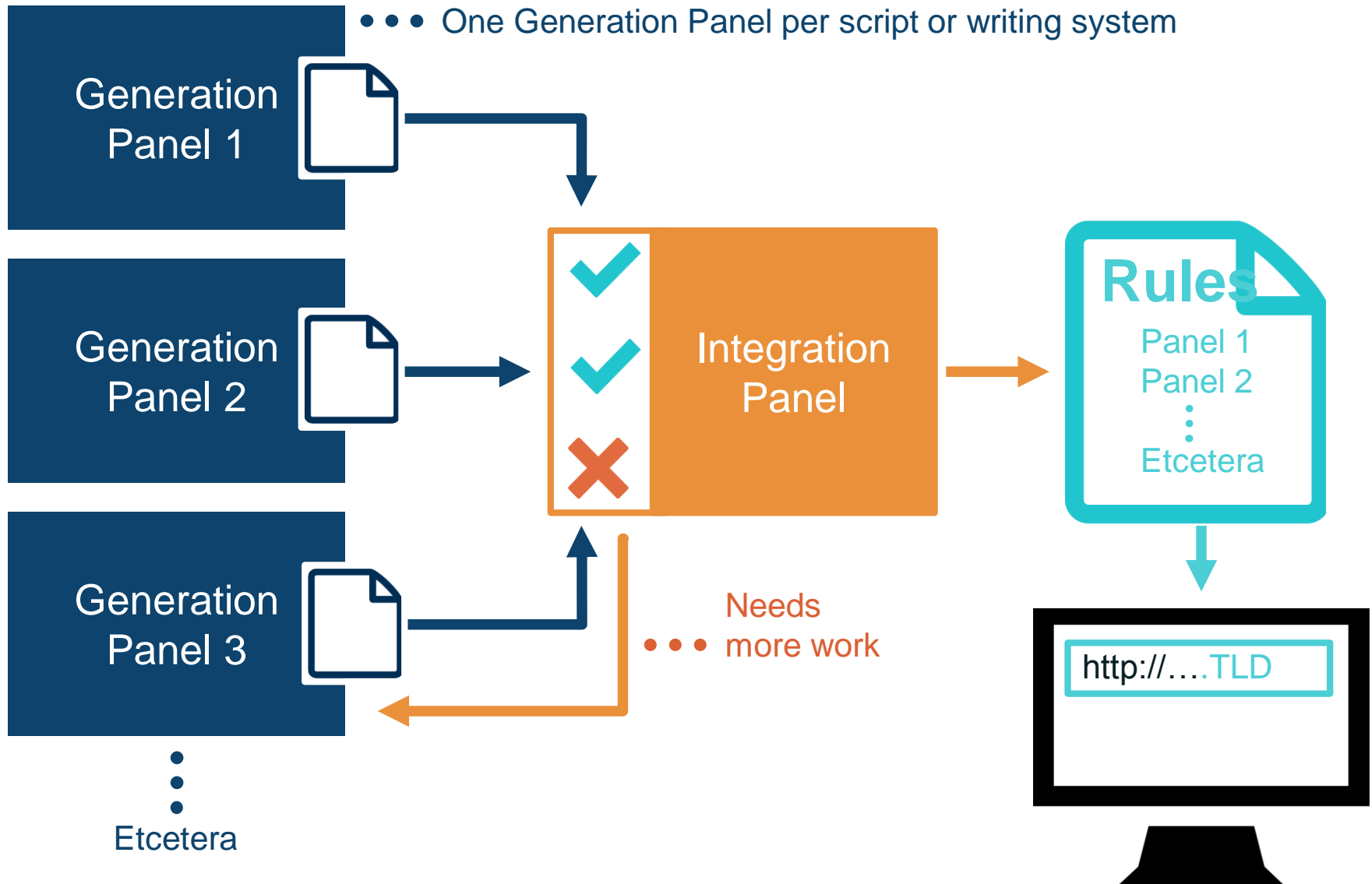
Root Zone LGR Development Status

October 2016

Label Generation Rules (LGR)



Root Zone LGR Procedure



Coordination Challenges

- ⦿ Some writing systems share same script, so need to coordinate for variant sets
 - Chinese, Japanese and Korean all use Han script
- ⦿ Some writing systems may have cross-script variant letters, so need to coordinate to identify them
 - Within a Generation Panel – Neo-Brahmi GP
 - Bengali, Devanagari, Gujarati, Gurmukhi, Kannada, Malayalam, Oriya, Tamil and Telugu scripts
 - Across Generation Panels
 - Armenian, Cyrillic, Greek and Latin – some letters look same in other scripts in this set

How to get involved?

Volunteer

Volunteer for your script Generation Panel (GP)

To contribute expertise, contribute to the GP for your script. You can get involved by simply emailing your CV and a brief statement of interest to identlds@icann.org

Review

Review work through public comments

Sign up for the IDN mailing list vip@icann.org (to sign up, visit <https://mm.icann.org/listinfo/vip>) and participated in the review of IDN work being done at ICANN through the public comments

Listen

Keep yourself updated

Attend regular IDN Program Update sessions at ICANN meetings and sign up on the IDN mailing list vip@icann.org to get updates on the IDN Program at ICANN

Engage with ICANN



Thank You and Questions

Reach us at: IDNProgram@icann.org

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