Asia and the Next billion Internet Users

熹 3 billion Internet users in the world

熹 Asia Internet penetration still low

熹 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
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
* Successfully evaluated IDN ccTLDs for total countries and territories
ASCII and IDNs

www.cafe.com

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

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 the any additional constraints on the labels?
Root Zone LGR Development Status

Label Generation Rules (LGR)

Generation Panel Status

- Finalizing
- Seated
- Active
- Forming

28+ Scripts
19+ Generation Panels

Other:
- Hebrew
- Sinhala
- Thaana

Maximal Starting Repertoire (MSR)
Root Zone LGR Procedure

- Generation Panel 1
- Generation Panel 2
- Generation Panel 3
- Integration Panel

- Etcetera

- Needs more work

- Rules
  - Panel 1
  - Panel 2
  - Etcetera

- http://...TLD

- One Generation Panel per script or writing system
Coordination Challenges

- Some writing systems share the same script, so need to coordinate for variant sets
  - Chinese, Japanese and Korean all use the 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 the same in other scripts in this set
How to get involved?

**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 idntlds@icann.org

**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.

**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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