

Background of the IDN Variant TLDs Program

IDN New gTLD Program

Some interesting stats...

- In 1985, the domain name system was implemented having eight gTLDs including .com, .net and .org
- Symbolics.com - first domain name was registered
- Before 1995, anyone could register domain name free of charge
- In 1998, ICANN was formed
- Until 2005, some new gTLDs e.g. .jobs, .aero, .name were added to the gTLDs space
- 2012, Approx. 15000 domain names were registered in 24 hrs
- 2013, from AAAA.com to ZZZZ.com, all 456,976 combinations got exhausted

What's New..

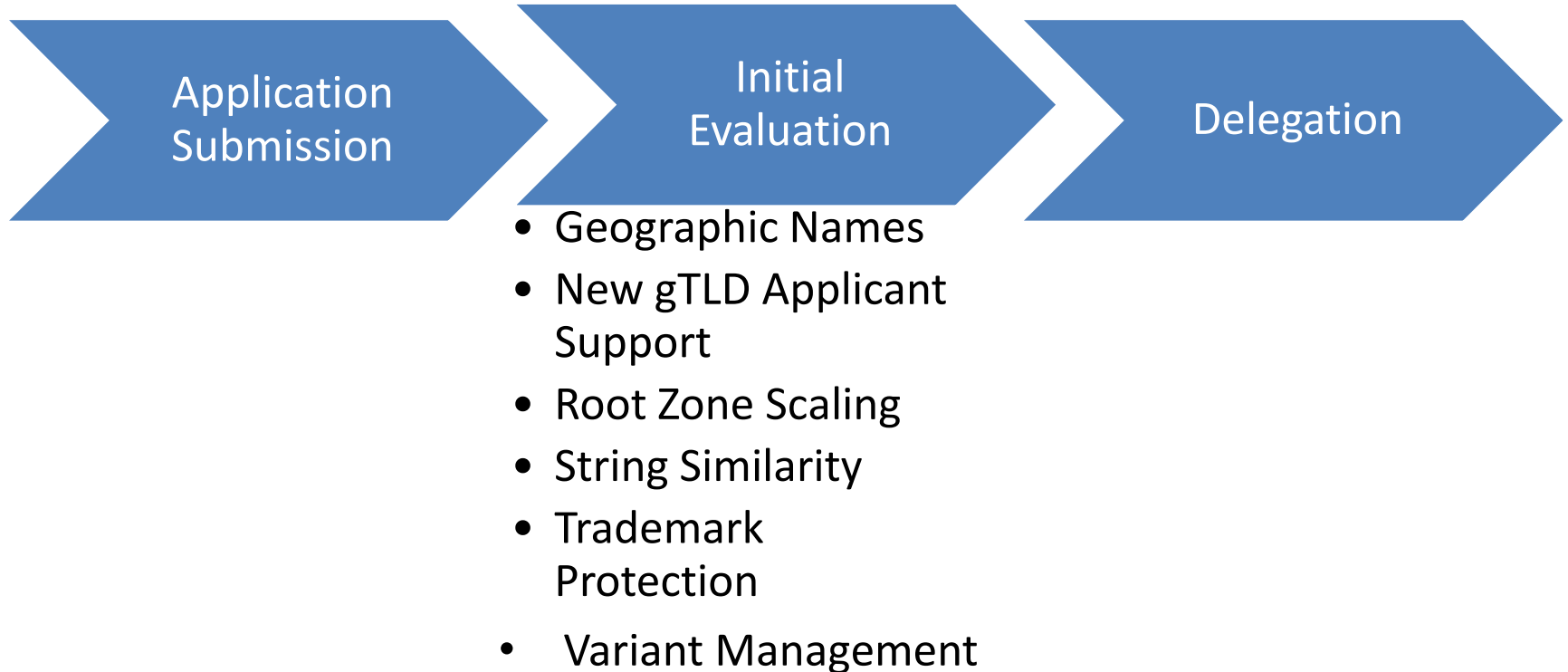
- ICANN's key objective
 - Introducing and promoting competition in the registration of domain names, while ensuring the security and stability of the domain name system (DNS).
- Application window opened on 12 January 2012, and ICANN received 1,930 applications for new gTLDs.

- gTLD Video

Applications in progress

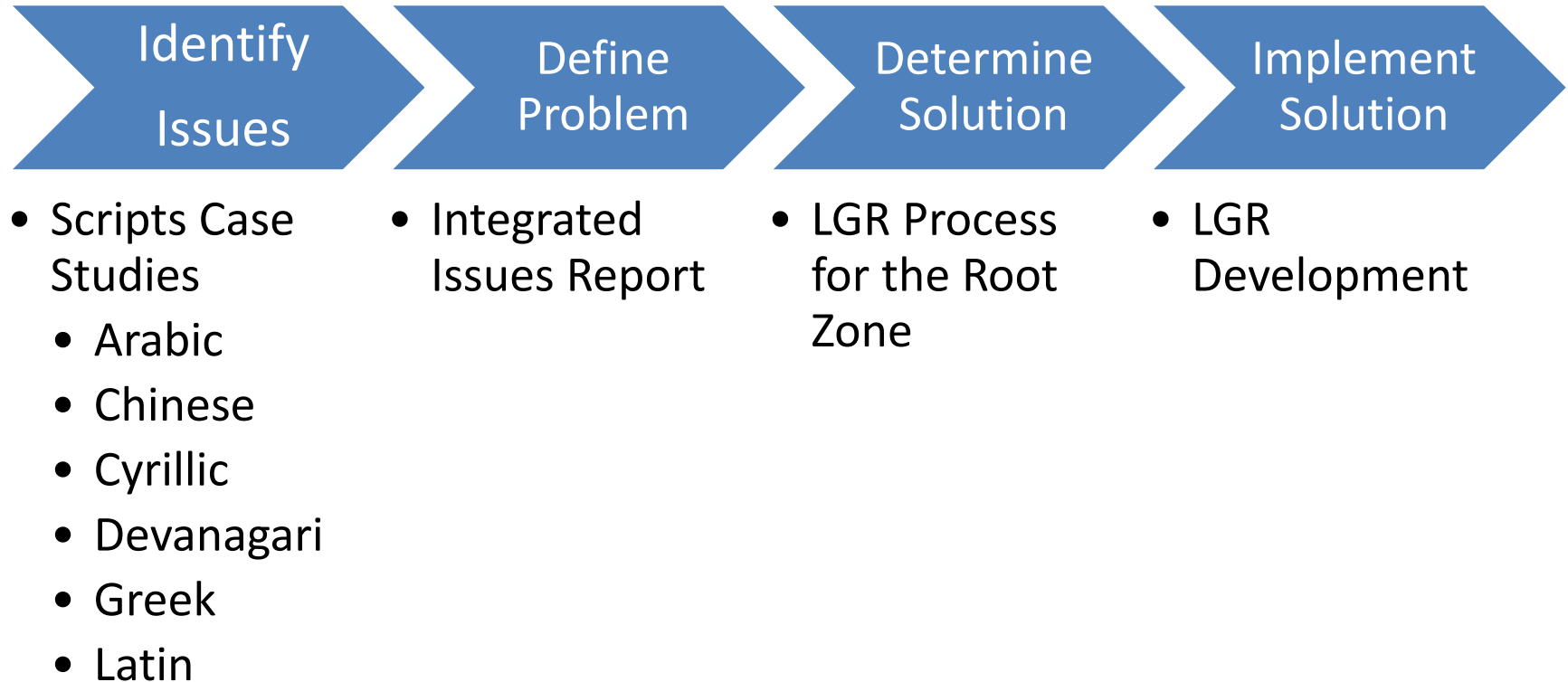
- gTLDs
 - .sbi; STATE BANK OF INDIA
 - .statebank; STATE BANK OF INDIA
 - .airtel; Bharti Airtel Limited
 - .bharti; Bharti Enterprises (Holding) Private Limited
 - .hdfcbank; HDFC Bank Limited
 - .ril; Reliance Industries Limited
 - .reliance; Reliance Industries Limited
- IDN gTLDs
 - .कॉम; VeriSign Sarl
 - .नेट; VeriSign Sarl
 - .संगठन; Public Interest Registry

Evaluation Path



IDN Variant Issues Project

IDN Variant TLD Program



Script Case Studies

Phase I

Scope of the project

- Create a glossary of terms vetted with technical and linguistic communities.
- Identify challenges (requirements) of IDN variant TLDs

Case study teams

- 6 teams: Arabic, Chinese, Cyrillic, Devanagari, Greek, Latin
- Comprised of community experts in DNS, Registry/Registrar operations, Linguistics, Security, Policy, and IDNA.

Integrated Issues Report

Phase II

Scope of the project

- Development of an Integrated Issues Report, based on the 6 Case Study Reports
- Summarizes and synthesizes the issues identified by the case study teams.

Objective

- Identify the sets of issues relevant to all the studied scripts.
- Identify any sets of issues that are script specific.
- Provide a brief analysis of the issues, including the benefits and risks of possible approaches identified.
- Identify areas where further study or work could be pursued.

Procedure to Develop and Maintain the Label Generation Rules for the DNS Root Zone in Respect of IDNA Labels

Phase III – Project 2.1

Scope

- Determining the approach to developing the code point repertoire and the label generation process for the root zone.

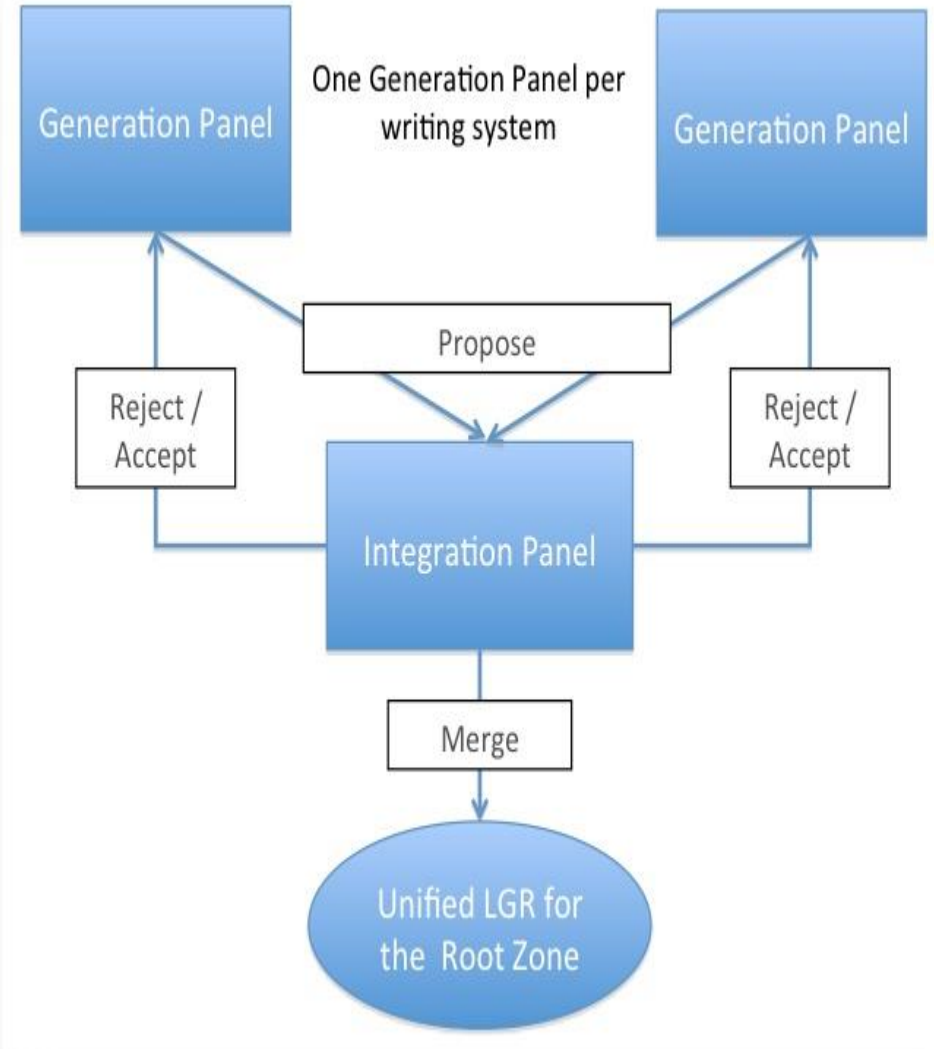
Implementation of the “Procedure to Develop and Maintain the Label Generation Rules for the Root Zone in Respect of IDNA Labels”

Phase III – Project 2.2

Overview

Two-pass process:

- **Generation Panel**
 - Each community/Writing System sharing a script(s) (e.g. neo-Brahmi) forms a Generation Panel
 - Define LGR for the script(s) for the Root Zone
- **Integration Panel**
 - Evaluates each LGR submitted by GP and integrates them into a coherent Root Zone LGR.
 - Prepares guidelines for GP



Overview (Continued)

- Populate the code point repertoire, Variants set and the Label Generation Rules for IDNA labels for the root zone
- Nothing gets added unless generation and integration panel agree
- Panels are independent and have separate membership
- Constrained by the principles defined in the procedure

IDN Root LGR

- An initial IDN Root LGR must be based on a set of Generation Panel outputs that are reasonably comprehensive and self-contained, so as to not be invalidated by later additions from upcoming Generation Panels.
- If/when the Integration Panel has strong reason to believe that there will be no risk from adding future writing systems, it may release a version of the IDN Root LGR

Role of Integration Panel

- consist of independent experts in DNS, IDNA, Unicode and linguistics
- accept or reject Generation Panel proposals until agreement is reached
- integrate the Generation Panels' proposals into a single, unified IDN LGR for the Root Zone
- take into account the need for a secure, stable and reliable DNS Root Zone
- make decisions by unanimity only

Role of Generation Panel

- ✓ consist of volunteer experts in a given writing system, plus additional ICANN-contracted experts if needed
- ✓ representing both the community interests as well as providing detailed expertise on a given writing system.
- ✓ submit their proposals for the IDN Root LGR to the Integration Panel
- develop the LGR for a particular writing system

Resources

- New gTLD Program
 - newgtlds.icann.org
- IDN Variant Issues project
 - <https://community.icann.org/display/VIP/Home>
- IDN Variant TLD Program
 - <https://www.icann.org/resources/pages/variant-tlds-2012-05-08-en>
- Devanagari Case Study Team report
 - <https://archive.icann.org/en/topics/new-gtlds/devanagari-vip-issues-report-03oct11-en.pdf>
- Integrated Issues report
 - <https://community.icann.org/display/VIP/Phase+2%3A+Integrated+Issues+Report>
- Link for the LGR procedure document
 - <https://community.icann.org/display/VIP/P2.1-Label+Generation+Ruleset+Process+for+the+Root>
- Root zone LGR Project
 - <https://community.icann.org/display/croscomlgrprocedure/Root+Zone+LGR+Project>

Thank you!