

**I C A N N**

**COMMUNITY FORUM**

**58**

**COPENHAGEN**

11-16 March 2017





# IDN Program Update

IDN Program | ICANN 58 | 15 March 2017

# Overview of Session Presentations

- ⦿ IDN Program Overview and Progress - Sarmad Hussain
- ⦿ Update by Integration Panel - Marc Blanchet
- ⦿ Update on IDN Impl. Guidelines - Mats Dufberg
- ⦿ Community Updates
  - Cyrillic GP - Dusan Stojicevic
  - Ethiopic GP - Dessalegn Mequanint
  - Greek GP - Panagiotis Papaspiliopoulos
  - Latin GP - Mirjana Tasic
- ⦿ Q/A



# IDN Program Overview and Progress

Sarmad Hussain  
Director, IDN Program

# 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 Specification  
and Tool (P1)



LGR Development  
(P2.2)



IDN Variant TLD  
Implementation (P7)



IDN ccTLD Fast Track



Reference Second  
Level LGRs

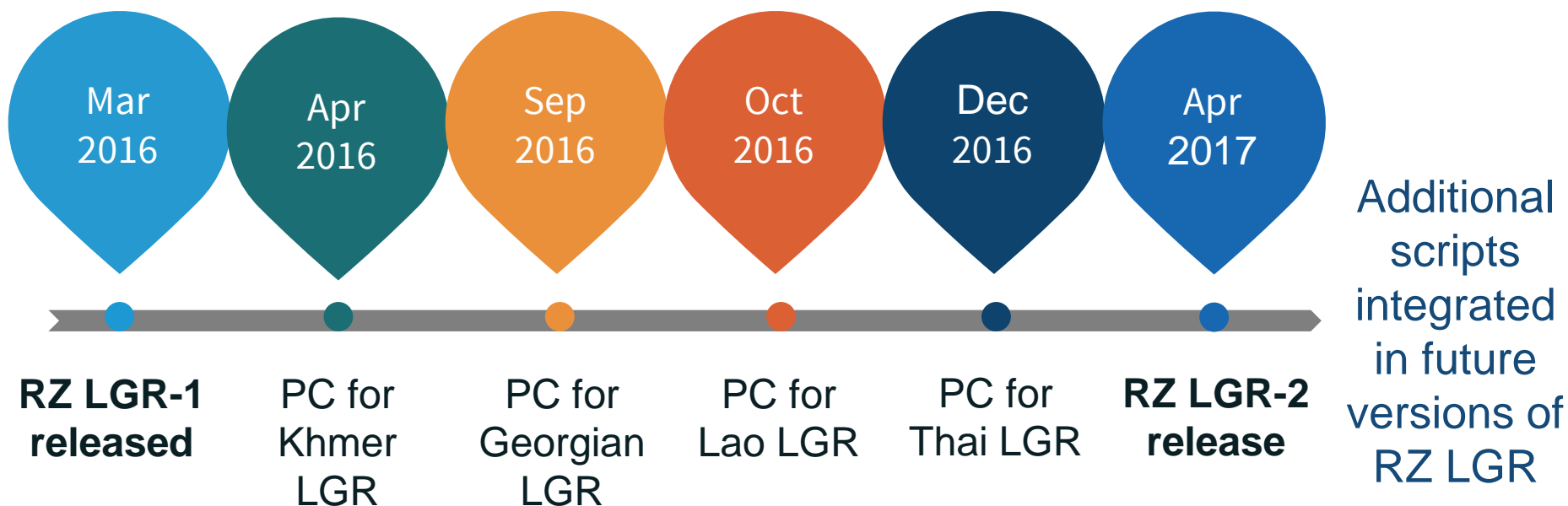


IDN Implementation  
Guidelines



Communications Plan  
Execution

# Root Zone Label Generation Rules (RZ LGR)



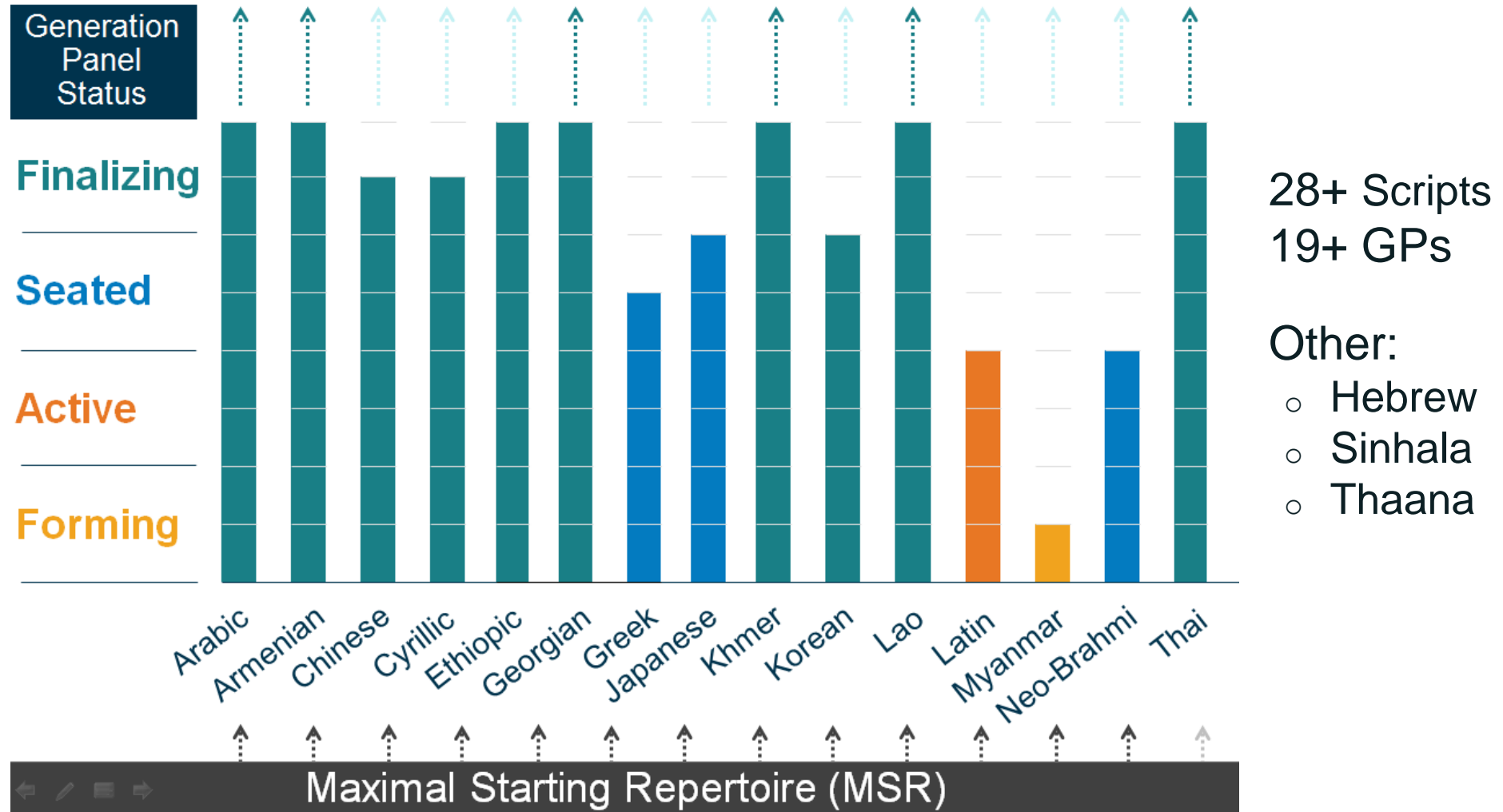
## LGR-2 Summary

- 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)

February 2017



# LGR Toolset (beta)

- ⦿ Label Generation Rulesets (LGRs) used to generate domain name labels, as specified in [RFC 7940](#)
- ⦿ 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 impact of a new or a revised LGR on existing labels
- ⦿ Online beta deployment at: <https://lgrtool.icann.org/>
- ⦿ Open source package(s) released with BSD license
  - Released at github: [lgr-core](#), [lgr-django](#), [munidata](#)
- ⦿ [User guide](#) available for further details





# 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

# Reference Second Level LGRs / IDN Tables

- ⦿ Reference IDN tables in LGR format in [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](https://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](http://www.icann.org/idn)

⦿ For queries regarding the IDN Program, please email:  
[IDNProgram@icann.org](mailto:IDNProgram@icann.org)

# Update by the Integration Panel

Marc Blanchet  
Member, Integration Panel

# Integration Panel

“The Integration Panel is a panel of independent experts tasked with reviewing proposals presented by the Generation Panels and, if accepted, integrating them into a consistent set of Label Generation Rules for the Root Zone. The decisions by the Integration Panel are required to be unanimous.”

<https://community.icann.org/display/croscomlgrprocedure/Integration+Panel>

# Activities since ICANN 57

- Scripts:
  - Ethiopic:
    - Reviewing final drafts in preparation for public comments
  - Georgian:
    - Went to public comments. Being integrated into Root Zone LGR-2
  - Korean:
    - Multiple interactions and early drafts
  - Chinese:
    - Multiple interactions and early drafts
  - Cyrillic:
    - Reviewing final drafts in prep for public comments
  - Thai:
    - Went to public comments. Being integrated into Root Zone LGR-2
  - Lao:
    - Went to public comments. Being integrated into Root Zone LGR-2
  - Neo-Brahmi:
    - Reviewed initial proposal for Devanagari



# Activities since ICANN57 (Continued)

- ⦿ Maximal Starting Repertoire (MSR)
  - No update planned yet, but two (2) Han candidates being discussed as possible additions, waiting for GP input
- ⦿ Variant Rules document
  - Being updated
  - Also target for IETF RFC
- ⦿ LGR-2 Integration
  - New scripts: Georgian, Khmer, Thai, Lao
  - Arabic carried from LGR-1
  - Armenian accepted (for LGR-1) but deferred, so that related scripts can be considered together
  - LGR-2: is being finalized in preparation for public comment
  - Details presented at the workshop

# Update on IDN Implementation Guidelines

Mats Dufberg  
Co-Chair, IDN Guidelines Working Group

# Background and Purpose

## ◎ Purpose

- For second-level IDN registration policies and practices
- To minimize the risk of cybersquatting and consumer confusion

## ◎ Relevance

- For gTLD registries and registrars offering IDNs at second level
- For IDN ccTLDs

## ◎ Status

- [Final draft for Public Comment](#) released on 3 March 2017
- Interim draft presented at ICANN 57
- Issues list presented at ICANN 55
- Working Group formed in October 2015
- [Call for Community Experts](#) in July 2015

# IDN Guidelines WG Members (IDNGWG)

	<b>Name</b>	<b>Organization</b>	<b>SO/AC</b>
1	Satish Babu	ISOC-TRV	ALAC
2	Wael Nasr	TLDVILLA LLC	ALAC
3	Mats Dufberg	IIS	ccNSO
4	Pablo Rodríguez	Puerto Rico TLD	ccNSO
5	Edmon Chung		GNSO
6	Christian Dawson	i2Coalition	GNSO
7	Chris Dillon		GNSO
8	Kal Feher	Neustar	GNSO
9	Dennis Tan	Verisign	GNSO
10	Jian Zhang	KNET	GNSO
11	Ram Mohan	Afilias	SSAC
12	Patrik Fältström (will only review)		SSAC

# Topics and Recommendations

- ⦿ 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

# Thank You

- For detailed guidelines on the topics, please visit:
  - Public Comment on IDN Implementation Guidelines :  
<https://www.icann.org/public-comments/idn-guidelines-2017-03-03-en>
  - IDN Guidelines WG Wiki page:  
<https://community.icann.org/display/IDN/IDN+implementation+Guidelines>
- For feedback, email at:
  - [idngwg@icann.org](mailto:idngwg@icann.org) or [IDNProgram@icann.org](mailto:IDNProgram@icann.org)

# Update by Cyrillic Generation Panel

Душан Стојичевић  
Dusan Stojicevic  
Chair, Cyrillic GP

# Introduction – Script of LGR

- ⦿ ISO 15924 Code: Cyril
- ⦿ ISO 15924 English Name: Cyrillic
- ⦿ Latin transliteration of native script name: Cyrillic
- ⦿ Maximal Starting Repertoire (MSR) version: MSR-2



# Background on Script and Principal Languages

- ⦿ Based on Early Cyrillic, from First Bulgarian Empire in 9th century AD
- ⦿ Used for languages across Eastern Europe and north and central Asia
- ⦿ Basis of alphabets in languages, past and present, especially those of Slavic origin, and non-Slavic languages influenced by Russian
- ⦿ Used by more than 250 million people as the official script for their languages, about half from Russia
- ⦿ With the accession of Bulgaria to the European Union in 2007, Cyrillic became **the third official script of the European Union, in addition to the Latin and Greek scripts**

# Geographic Territories Spread of Cyrillic

- ⦿ Southeastern part of Europe (Serbia, Montenegro, Macedonia, Bulgaria, Bosnia and Herzegovina)
- ⦿ Eastern Europe (Belorussia, Ukraine, Russia)
- ⦿ Central Asia (Kazakhstan, Turkmenistan, Uzbekistan, Kyrgyzstan, Tajikistan, Mongolia)

is the only official orthography

is the only official orthography, but others are recognized for national or regional languages



# Methodology

- ⦿ According to work plan in the proposal for Cyrillic script GP
- ⦿ Initially language based repertoire compiled, based on second-level IDN tables used by different ccTLDs, including the .su ccTLD which contained inventory for languages currently spoken in Russia
- ⦿ Language repertoires collated in a face-to-face meeting in Istanbul on 25-26 Nov. 2016
- ⦿ Continued to use the mailing list to share and finalize documents
- ⦿ Consulted with Integration Panel (IP), including on crucial query regarding inclusion of U+02BC MSR for Ukrainian and Belarusian

# Code Point Repertoire

**84** code points recommended for inclusion

**8** code points recommended for exclusion (shown in the table)

#	Unicode CP	Glyph	Unicode Name	Lang. using CP	EGIDS value	Ref.
1	04EB	ӧ	CYRILLIC SMALL LETTER BARRED O WITH DIAERESIS	Khanty	Khanty 6b	Rule 6 <a href="http://www.omniglot.com/writing/khanty.htm">http://www.omniglot.com/writing/khanty.htm</a>
2	04ED	ӓ	CYRILLIC SMALL LETTER E WITH DIAERESIS	Sami	Sami 8b	Rule 6
3	04DB	ӓ	CYRILLIC SMALL LETTER SCHWA WITH DIAERESIS	Khanty	Khanty 6b	Rule 6 <a href="http://www.omniglot.com/writing/khanty.htm">http://www.omniglot.com/writing/khanty.htm</a>
4	04C2	ӟ	CYRILLIC SMALL LETTER ZHE WITH BREVE	Gagauz	Gagauz 5	Rule 5 <a href="http://www.omniglot.com/writing/gagauz.htm">http://www.omniglot.com/writing/gagauz.htm</a> Gagauz alphabet not in Cyrillic from 1996
5	04CC	ҫ	CYRILLIC SMALL LETTER KHAKASSIAN CHE	Khakas	Khakas 5	Rule 5 <a href="http://www.omniglot.com/writing/khakas.htm">http://www.omniglot.com/writing/khakas.htm</a>
6	04CF	Ӏ	CYRILLIC SMALL LETTER PALOCHKA	Khakas	Khakas 5	Rule 5 <a href="http://www.omniglot.com/writing/khakas.htm">http://www.omniglot.com/writing/khakas.htm</a>
7	045D	Ӏ̄	CYRILLIC SMALL LETTER I WITH GRAVE	Historical sign		Rule 6
8	0450	Ӏ̀	CYRILLIC SMALL LETTER IE WITH GRAVE	Stressed sign		Rule 6

# Cyrillic Script Variants

- ⦿ No variants in Cyrillic script
  - Some code points visually confusable
    - not considered as variants by the Cyrillic community
    - provide table of confusable code points, so organizations can use as needed

# Cross-Script Variants

- ⦿ Decided to limit these to homoglyphs
- ⦿ Included code points which are homoglyphs in the lower case but not homoglyphs in the upper case
  - Only lower case because upper case disallowed in IDNA 2008
  - Decision made in consultation with IP (“the IP, at this point, does not require that upper case homoglyphs are included”)
- ⦿ Cyrillic GP found cross-script variants with:
  - Armenian
  - Greek
  - Latin
- ⦿ Cyrillic GP did not find cross-script variants with Georgian

# Cross-Script Variants – with Armenian Script

- ⦿ Armenian GP indicates three (3) variants with Cyrillic script
- ⦿ Opinion of Cyrillic GP that only one (1) homoglyphic variant
- ⦿ Other two (2) not identical, so included in confusables table

Armenian glyph	Armenian code point	Cyrillic glyph	Cyrillic code point
օ	0585	о	043E

# Cross-Script Variants – with Greek Script

© Cyrillic has three (3) homoglyphic variants with Greek script

Greek glyph	Greek code point	Cyrillic glyph	Cyrillic code point
κ	03BA	к	043A
ο	03BF	о	043E
φ	03C6	φ	0444



# Cross-Script Variants – with Latin Script

- ⦿ Cyrillic has following homoglyphic variants with Latin from MSR-2
  - Confusables listed separately

Latin glyph	Latin code point	Cyrillic glyph	Cyrillic code point
a	0061	а	0430
c	0063	с	0441
e	0065	е	0435
o	006F	о	043E
i	0069	і	0456
j	006A	ј	0458
l	006C	л	04CF
p	0070	р	0440
s	0073	ѕ	0455
y	0078	у	0443
x	0079	х	0445
ä	00E4	ӓ	04D3
ë	00EB	ӛ	0451
æ	00E6	ӕ	04D5
ə	01DD	Ӈ	04D9

# Next Steps

1. Short phase (planned for this session)
  - i. Finalize proposal, based on IP feedback
  - ii. Finalize XML and test data files
  - iii. Issue the LGR for public comment
  
2. After public comment phase
  - iv. Finalize the LGR proposal to include community feedback
  
3. Long-term phase
  - v. Address new code points included in the MSR in the future
    - if needed in the root zone LGR, GP to re-convene and create additional proposal

# Members of Cyrillic GP

<b>Alex Khmyl (Belarus)</b>	Nelly Stoyanova (Bulgaria)
Alexei Sozonov (Russia)	Nodir Mirzoev (Tajikistan)
Almaz Bakenov (Kyrgyz Republic)	Oleksandr Tsaruk (Ukraine)
Daniel Kalchev (Bulgaria)	Pavel Gusev (Kazakhstan)
<b>Dmitry Belyavskiy (Russia)</b>	Predrag Lesic (Montenegro)
<b>Dmitry Kohmanyuk (Ukraine)</b>	Sanja Simonova (Macedonia)
<b>Dušan Stojičević (Serbia, chair)</b>	<b>Sergey Povalishev (Belarus)</b>
Enkhbold Gombo (Mongolia)	Tattu Mambetalieva (Kyrgyzstan)
<b>Iliya Bazlyankov (Bulgaria)</b>	Yashar Hajiyev (Azerbaijan)
Kadamjon Safiev (Tajikistan)	Yuliya Morenets (Russia)
Mirjana Tasić (Serbia)	<b>Yurii Kargapolov (Ukraine)</b>
Nazgul Kurmanalieva (Kyrgyzstan)	Yuriy Honcharuk (Ukraine)

# Thanks!



Dušan Stojićević  
Душан Стојичевић

[dusan@dukes.in.rs](mailto:dusan@dukes.in.rs)  
[stojicevic@gransy.com](mailto:stojicevic@gransy.com)



# Update by Ethiopic Generation Panel

Dessalegn Mequanint  
Chair, Ethiopic GP

-

# Agenda

- ⦿ Introduction to Ethiopic Script
- ⦿ Overview of GP Members
- ⦿ Challenges
- ⦿ Progresses and Timeline for Remaining Activities

# Introduction to Ethiopic Script

1

**1600+ old “Syllabary”**

2

**Used for the National Languages of Ethiopia and Eritrea**

3

**Languages or Writing Systems Using the Language:**

Several languages use the script in their writing systems. However, only eight are considered for the LGR proposal:

- Amharic, Argobba, Awngi, Harari, Hamt’agna, Silt’e, Tigrè, Tigrigna

4

## Users Community

Eritrea, Djibouti, Egypt, South Africa, South Sudan, Kenya, United States, Canada, Israel, Europe, Australia

5

## Each Letter of the “Syllabary” has both a consonant and a vowel

- ከ = ke
- ካ = ki
- ኪ = ku
- ኴ = ka

6

## Code Point Redundancy or Phonemic Decay

There are about 98 code points with sound and meaning alike in Amharic language writing system

- ከልዮ - Song
- ካልዮ - Theory



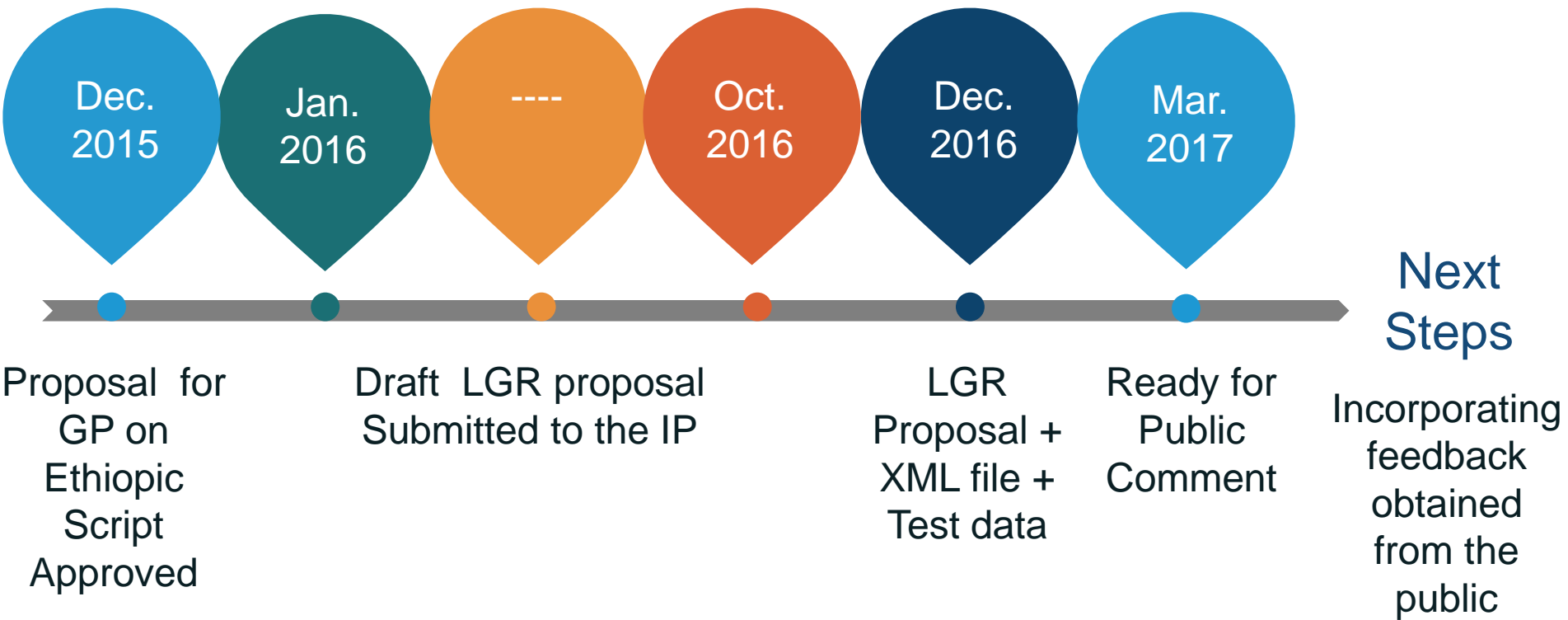
# Ethiopic GP Members

- ◉ Dessalegn Mequanint Yehuala (Chair), Lecturer and researcher in computer science
- ◉ Mulugeta Seyoum (Secretary), Assistant Professor in linguistics
- ◉ Gezahegn Tadesse, Director IT projects, Awash International Bank
- ◉ Balcha Reba, Director standards at MCIT
- ◉ Assefa Kore, IT expert at Ethio-telecom
- ◉ Kinfu Michael Yilma Desta. Ph.D. student in Law
- ◉ Tigabu Dagne Akal, Lecturer at AIT in computer engineering
- ◉ Halefom Hailu Abraha, expert in cyber law, INSA
- ◉ Teshome Yehualashet, Assistant Professor in linguistics
- ◉ Kassahun Lemlemu, Journalist at MK
- ◉ Destaye Alemayehu, M.Sc. student in computer science

# Challenges

- ⦿ Languages are under-resourced
  - Getting pertinent information both in paper and digital forms for the six languages has been challenging
    - We carried out corpus analysis only for two of the languages
- ⦿ Complexity in treating variants
  - Amharic language is the official working language of the Federal Democratic Republic of Ethiopia
  - It is also the official or working language of several of the states within the federal system
  - Security versus impacts of variants in the remaining seven languages
  - Striking the balance between security versus impacts of variants
- ⦿ Deviation from the original timeline
  - We have made submission to the IP 5 times - 5 levels of iteration

# Progress and Timeline for Remaining Activities



## To Summarize

Proposal for the Ethiopic Script LGR for the Root Zone has been submitted 5 times- the last two submissions were complete in the sense that unlike in the first two submissions the GP submitted the XML file and test data along with the LGR proposal- a total of five submissions and five level of iterations (received five feedbacks from the IP).

The LGR proposal for Ethiopic Script is ready to be submitted for public comment.

# Update by Greek Generation Panel

Panagiotis Papaspiliopoulos  
Chair, Greek GP

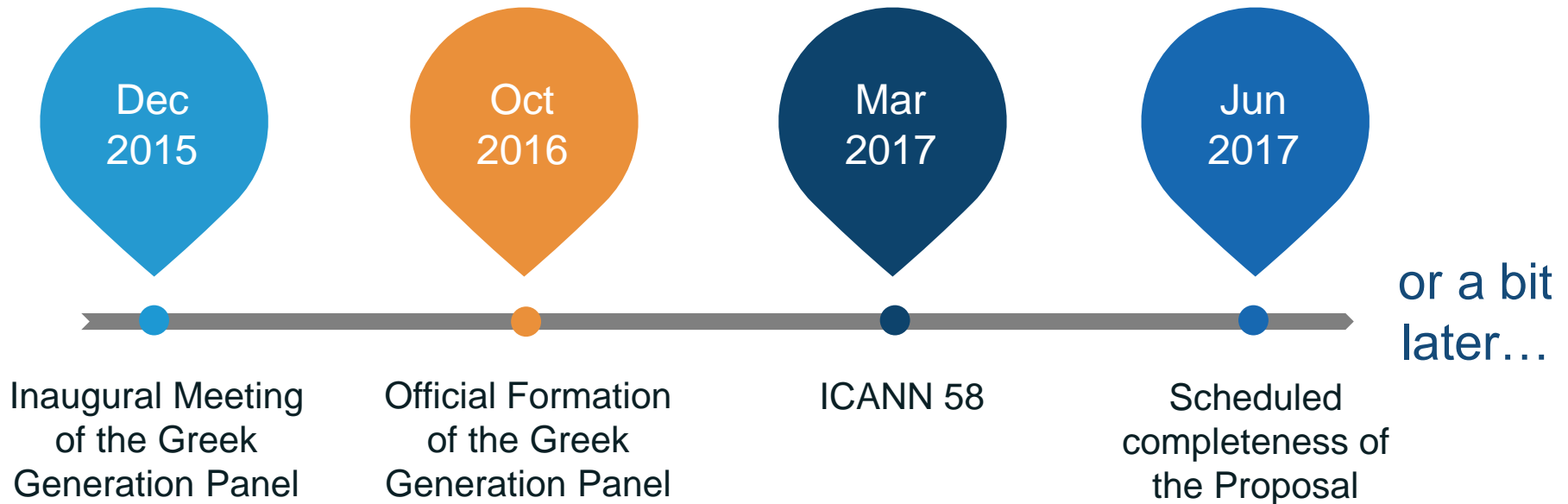
# Script for LGR

- ⦿ ISO 15924 Code: Grek
- ⦿ ISO 15924 Key No: 200
- ⦿ ISO 15924 English Name: Greek
- ⦿ Property Value Alias: Greek
- ⦿ Native Name of the script: Ελληνικά
- ⦿ Maximal Starting Repertoire (MSR) version: MSR-2
- ⦿ Unicode Standard 9.0: 0370-03FF

# Composition of the Greek Generation Panel

- ⦿ Individuals actively involved in policy development processes related to electronic communication, research and development related to the Greek language, standardization, computing and maintenance of the domain name system in Greece and Cyprus
- ⦿ The panelists come from governmental and regulatory authorities, academia, private sector, ccTLD registries of Greece and Cyprus

# Timeline



## Moreover...

The Greek Generation Panel was officially formed with the Decision 54020/1088/25 Nov 2015 of the Minister of Infrastructure, Transport and Networks of the Hellenic Republic.

# Structure of the Proposal

- ⊙ Background on script
  - The Greek Language Question
  - The Greek Orthography
- ⊙ Overall Development Process and Methodology
- ⊙ Repertoire
- ⊙ Variants
  - Within Script Variants
  - Cross Script Variants
- ⊙ Whole Label Evaluation Rules
- ⊙ Contributors
- ⊙ References



## ⦿ **The Greek Language Question**

- Diglossia: Katharevousa vs. Dimotiki  
(e.g. Πειραιεύς - Πειραιάς)

## ⦿ **The Greek Orthography**

- Polytonic vs. Monotonic (e.g. the Lord's Prayer)
  - Πάτερ ἡμῶν ὁ ἐν τοῖς οὐρανοῖς, ἁγιασθήτω τὸ ὄνομά σου, ἐλθέτω ἡ βασιλεία σου, γεννηθήτω τὸ θέλημά σου, ὡς ἐν οὐρανῷ καὶ ἐπὶ τῆς γῆς
  - Πάτερ ημών ο εν τοις ουρανοίς, αγιασθήτω το όνομά σου, ελθέτω η βασιλεία σου, γεννηθήτω το θέλημά σου, ως εν ουρανώ και επί της γης

# Proposed Characters for Registrations

## ⦿ **Only Monotonic characters are to be allowed!**

- Monotonic characters are used today in the spelling of Greek words
- Polytonic characters for TLD registration offer no significant advantage for the average user
- This recommendation stands only for the Greek TLDs; registries are encouraged to decide upon the use of the polytonic characters in their policy for the lower levels

## ⦿ The Sigma and Final Sigma

σ (small, U+03C3) e.g. ασπίδα (shield)

Σ (capital, U+03A3) e.g. Σοφία (female name)

ς (small final, U+03C2) e.g. τέλος (end)

but...

IDNA2003: σ <-> Σ <-> ς (e.g. θησαυρός – treasure)

θησαυρός → ΘΗΣΑΥΡΟΣ → θησαυροσ → **not correct Greek!**

IDNA2008: σ and ς are different accepted characters,  
treated separately – reverse mapping not possible!

## ⦿ **Status: under process**

1. Other “Within Script Variants” cases (e.g. vowels with/without diacritics)
2. Cross Script Variants
  - Greek and Latin
  - Greek and Cyrillic
  - Greek and other scripts
3. Whole Label Evaluation Rules

# Engage with the Greek Generation Panel



Reach us at:

Email: [GreekGP@icann.org](mailto:GreekGP@icann.org)

Website:

<https://community.icann.org/display/croscomlgrprocedure/Greek+Script+GP>

## Thank You and Questions



## Panagiotis Papaspiliopoulos

# Update by Latin Generation Panel

Mirjana Tasic  
Chair, Latin GP

# Agenda

- ⦿ Generation Panel background
- ⦿ Latin script
- ⦿ Composition of the Generation Panel
- ⦿ Work plan

# Generation Panel Background

- ⦿ Summer 2016 - GP restarted with new call for volunteers
- ⦿ Real work started October 2016
- ⦿ GP draft proposal finalized for IP comment
- ⦿ Waiting for Integration Panel comments



# Latin Script - Subject of the GP Work

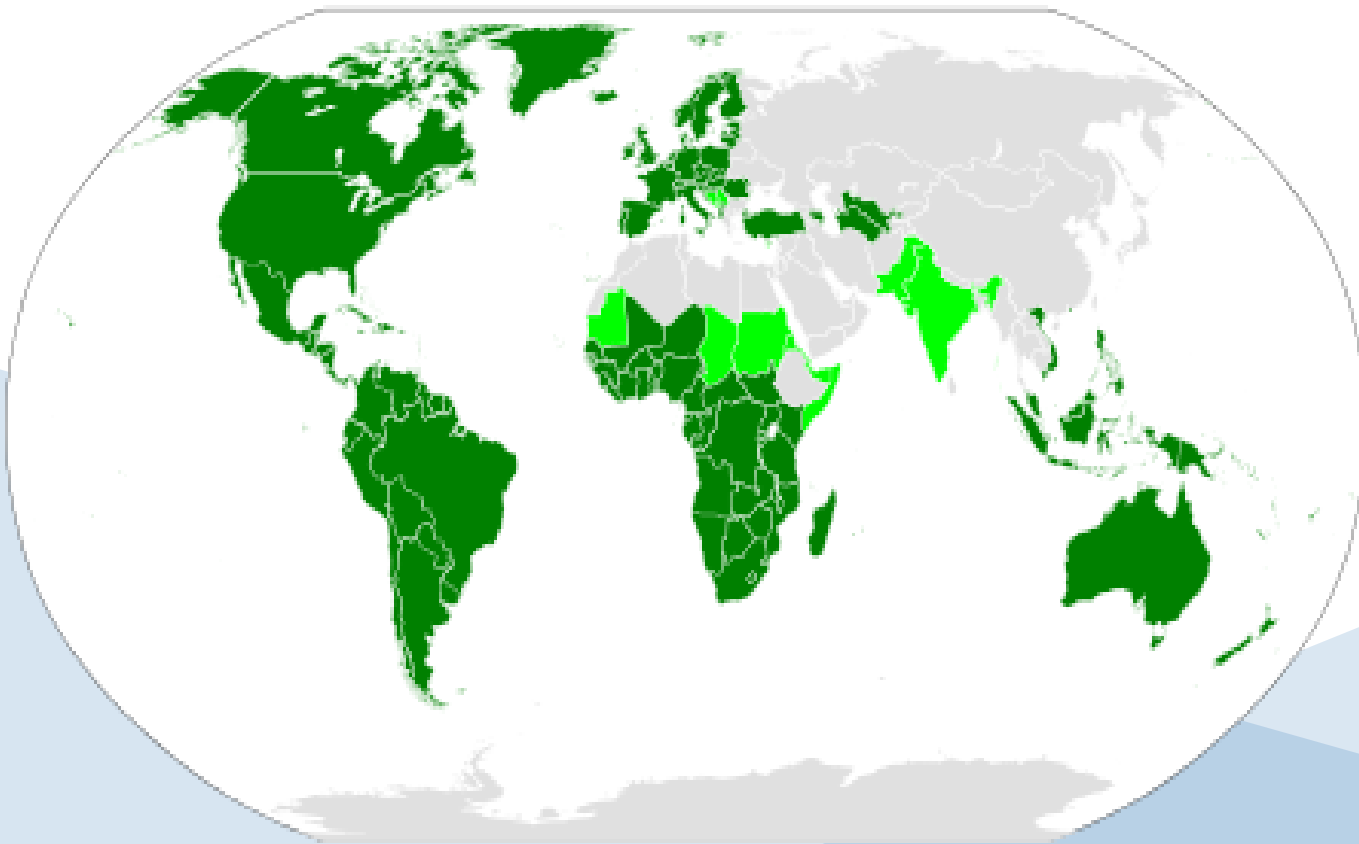
- ⊙ Maximal Starting Repertoire V2 (MSR-2)
- ⊙ Lowercase letters
- ⊙ UNICODE ranges
  - Controls and Basic Latin
  - Controls and Latin-1 Supplement
  - Latin Extended-A
  - Latin Extended-B
  - IPA Extensions
  - Combining Diacritical Marks
  - Combining Diacritical Marks Supplement
  - Latin Extended Additional
  - Latin Extended-C

# Latin Script - Subject of the GP Work

- ◉ Same origin as
  - Cyrillic
  - Greek
  - Armenian
- ◉ Used by missionaries in creating alphabets for languages without scripts
- ◉ Non-exhaustive list of 455 languages in scope
- ◉ Non-exhaustive list of EGIDS 1-5 languages contains 300 languages
- ◉ At a glance, there are 279 MSR-2 code points for attestation

Note: EGIDS stands for the Expanded Graded Intergenerational Disruption Scale. This is a tool that is used to measure the status of a language in terms of endangerment or development.

# Prevalence of Latin Script Usage



**The dark green** areas show the countries where the Latin script is the sole main script.

**Light green** areas shows countries where Latin co-exists with other scripts.

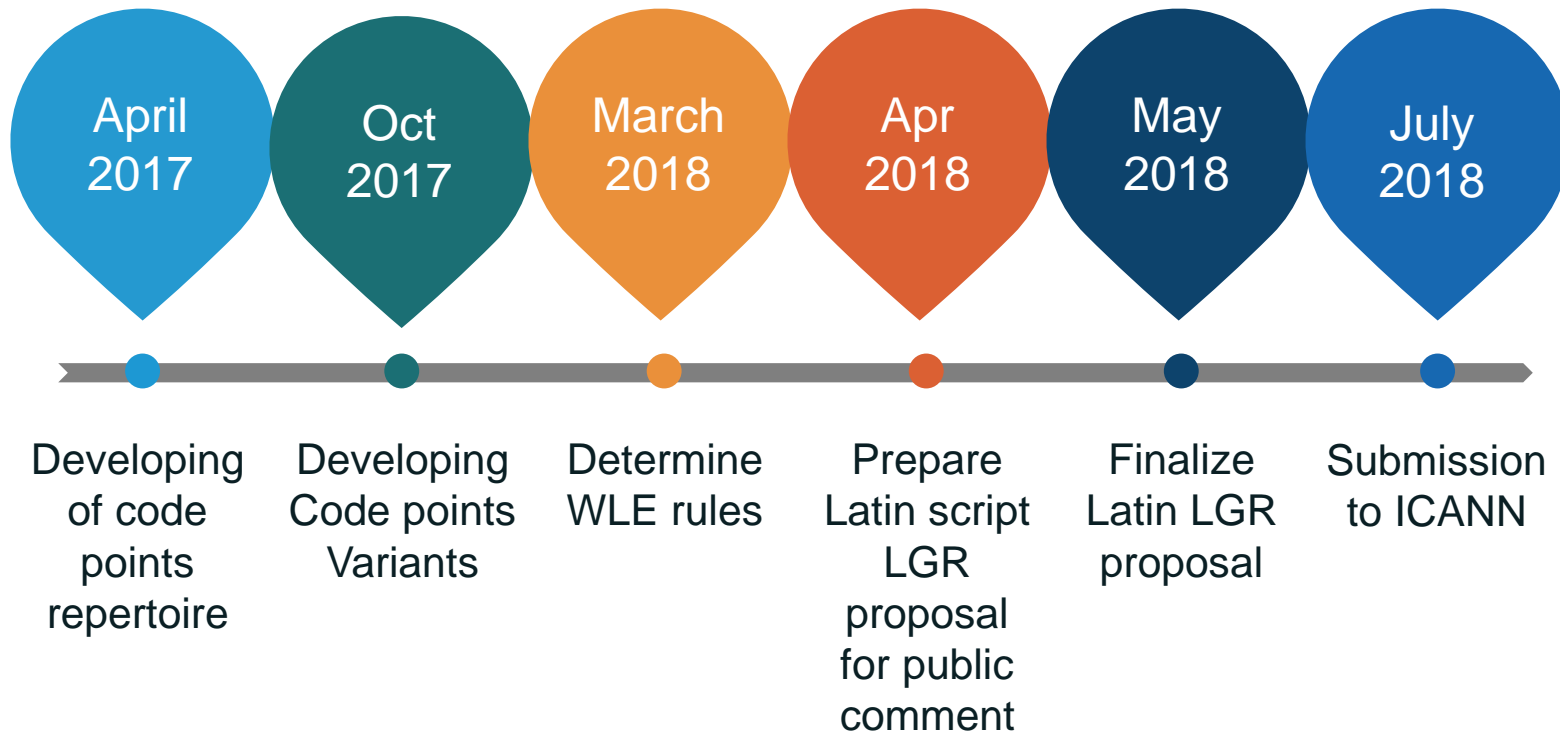
**Grey** areas – Latin alphabets are sometimes extensively used in areas colored grey due to the use of unofficial second languages, such as French in Algeria and English in Egypt, and to Latin transliteration of the official script, such as [pinyin](#) in China.

# Composition of the Generation Panel

- ⊙ 11 members, 4 observers
- ⊙ Lack of language expertise
  - Chinese Pinyin
  - Native languages in Oceania and Australia
  - Native languages in North and South America
- ⊙ Diversity
  - Community Representatives 2
  - Linguistic Expert 2
  - Registry/Registrar Expert 3
  - Policy Expert 3
  - Technical community ,DNS 7
  - IDNA/Unicode Expert 8

- 1. Developing Code Point Repertoire**
- 2. Developing Code Point Variants**
- 3. Developing Whole Label Evaluation Rules**
- 4. Preparation Latin script LGR for public comment**
- 5. Finalization of LGR Documents for Latin Script and submission to ICANN**
  - Panel will hold fortnightly the conference call with agenda and materials ready for discussion
  - It is expected to have few face-to-face meetings, probably during Phase 2 and 3
  - All working materials will be shared online

# Timeline



Note: This timeline will be updated in a timely manner according to the increasing/decreasing number of action items, and the coordination situation

**To Summarize: 15 months is estimated time for project finalization**

# Thank You and Questions

Website:

<https://community.icann.org/display/croscomlgrprocedure/Latin+GP>

Email: [Mirjana.Tasic@rnids.rs](mailto:Mirjana.Tasic@rnids.rs)

# Engage with ICANN and IDN Program



## Thank You and Questions

Reach us at: [IDNProgram@icann.org](mailto:IDNProgram@icann.org)

Website: [icann.org/idn](http://icann.org/idn)



[twitter.com/icann](https://twitter.com/icann)



[gplus.to/icann](https://plus.google.com/icann)



[facebook.com/icannorg](https://facebook.com/icannorg)



[weibo.com/ICANNorg](https://weibo.com/ICANNorg)



[linkedin.com/company/icann](https://linkedin.com/company/icann)



[flickr.com/photos/icann](https://flickr.com/photos/icann)



[youtube.com/user/icannnews](https://youtube.com/user/icannnews)



[slideshare.net/icannpresentations](https://slideshare.net/icannpresentations)