

At-Large Workspace: Proposal for Cyrillic Script Root Zone Label Generation Rules

Public Comment Close	Statement Name	Status	Assignee (s)	Call for Comments Open	Call for Comments Close	Vote Open	Vote Close	Date of Submission	Staff Contact and Email	Statement Number
06 December 2017	Proposal for Cyrillic Script Root Zone Label Generation Rules	No Statement							Sarmad Hussain sarmad.hussain@icann.org	

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Brief Overview

Purpose: The Cyrillic script community has formed the Cyrillic script Generation Panel (GP), which in turn has developed a *Proposal for the Cyrillic Script Root Zone Label Generation Rules* ([Proposal](#) [XML, 19 KB] and [Proposal Documentation](#) [PDF, 1.23 MB]). As per the [LGR Procedure](#) [PDF, 772 KB], this proposal is being posted for public comments to allow those who have not participated in the Cyrillic script GP to make their views known to the GP. Based on the feedback, the Cyrillic script GP will finalize the proposal for submission for integration into the Label Generation Rules for the Root Zone (RZ-LGR).

Current Status: Currently there are multiple script communities which have formed generation panels and are actively working towards developing the Label Generation Rules for the Root Zone, including Chinese, Cyrillic, Greek, Japanese, Korean, Latin and Neo-Brahmi (Bengali, Devanagari, Gujarati, Gurmukhi, Kannada, Malayalam, Oriya, Tamil and Telugu). In addition, Arabic, Armenian, Ethiopic, Georgian, Khmer, Lao and Thai script GPs have already completed and [submitted](#) their LGR proposals. Except for Armenian, which has been deferred, the remaining six scripts have been integrated into the [RZ-LGR](#). Cyrillic script GP is the eighth to finalize the work.

Next Steps: Following the public comments, and submission of the proposal with any changes to reflect the public comments, the Integration Panel (IP) will evaluate the final proposal by the Cyrillic script GP. If evaluation by the IP is successful, the *Proposal for the Cyrillic Script Root Zone Label Generation Rules* will be integrated into a subsequent version of the [RZ-LGR](#). Otherwise, the proposal will be sent to the Cyrillic script GP with comments for further consideration and revision.

Section I: Description and Explanation

Following the [Call for Generation Panels to Develop Root Zone Label Generation Rules](#), the Cyrillic script community organized to form the Cyrillic script Generation Panel (GP), which was [seated](#) by ICANN on 10 December 2015. The Cyrillic script GP has developed the [Proposal for the Cyrillic Script Root Zone Label Generation Rules](#) [XML, 19 KB] together with [supporting documentation](#) [PDF, 1.23 MB], following the format prescribed in the [LGR specification](#).

According to the [LGR Procedure](#) [PDF, 772 KB], the starting point for the work of the Cyrillic script GP is the latest version of the Maximal Starting Repertoire ([MSR-2](#)). The work has been carried out following the specification of Generation Panel's tasks, as described in the [LGR Procedure](#) [PDF, 772 KB] in particular, Section B.3 "Variant Rule Generation Procedure". These tasks are summarized in the guide on [Setting up and Running a Generation Panel](#).

As per the [LGR Procedure](#) [PDF, 772 KB], the generation panel's proposals are posted for public comment using the ICANN public comment procedures. This permits those who have not participated in the generation panel to make their views known to the integration panel. A well-functioning public comment procedure is a critical component of this procedure, because there is no formal appeal mechanism for the LGR being developed.

The [LGR Procedure](#) [PDF, 772 KB] consists of two passes. The first pass creates a set of LGRs, each specific for a given script or writing system; this task is carried out by Generation Panels composed of people with deep experience or interest in the script, writing system or language used by some community of Internet users. These panels submit their LGR proposals to ICANN for review by an Integration Panel. The Integration Panel consists of independent experts in DNS, Unicode and scripts, and has responsibility for the second pass. This second pass involves integrating the proposals into a unified set of LGRs for the root zone, taking into account the need for a secure, stable and reliable [DNS root zone](#).

Section II: Background

Label Generation Rules (LGR) for the Root Zone are being developed to define a conservative mechanism to determine valid Internationalized Domain Name (IDN) Top Level Domains (TLDs) and their variants, for stable and secure operation of the Internet's Root Zone.

Successful development of Label Generation Rules depends on having community based Generation Panels for each script that will be used in the Root Zone. Generation Panel members are representatives of the each of the communities that use a particular script or writing system – their role is to identify the valid characters, variants and Whole Label Evaluation (WLE) rules for the given script or writing system. Each Generation Panel starts by considering the code points for the relevant script that are present in the [Maximal Starting Repertoire](#) and, based on them, develop a Label Generation Rule proposal to be used to generate TLDs for that script. In doing so, they may need to coordinate efforts with other GPs, whenever their respective scripts are closely related. These proposals are then reviewed by the community through public comment and by an expert Integration Panel for approval and integration into the LGR for the Root Zone. The details are defined in [Procedure to Develop and Maintain the Label Generation Rules for the Root Zone in Respect of IDNA Labels](#) [PDF, 1.39 MB].

Section III: Relevant Resources

- Root Zone Label Generation Rules: <https://www.icann.org/resources/pages/root-zone-lgr-2015-06-21-en>
- Maximal Starting Repertoire: <https://www.icann.org/resources/pages/msr-2015-06-21-en>
- Procedure to Develop and Maintain the Label Generation Rules for the Root Zone in Respect of IDNA Labels: <https://www.icann.org/en/system/files/files/draft-lgr-procedure-20mar13-en.pdf> [PDF, 1.39 MB]
- Machine readable specification for the Label Generation Rules: <https://www.rfc-editor.org/rfc/rfc7940.txt>
- LGR Toolset: <https://www.icann.org/resources/pages/lgr-toolset-2015-06-21-en>
- Repository of Guidelines and other relevant documents: <https://community.icann.org/display/croscomlgrprocedure/Document+Repository>
- LGR proposals received already: <https://www.icann.org/resources/pages/lgr-proposals-2015-12-01-en>

Section IV: Additional Information

Section V: Reports

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FINAL VERSION TO BE SUBMITTED IF RATIFIED

The final version to be submitted, if the draft is ratified, will be placed here by upon completion of the vote.

FINAL DRAFT VERSION TO BE VOTED UPON BY THE ALAC

The final draft version to be voted upon by the ALAC will be placed here before the vote is to begin.

FIRST DRAFT SUBMITTED

The first draft submitted will be placed here before the call for comments begins.