

At-Large Workspace: Proposals for Malayalam and Tamil Scripts' 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
07 November 2018	Proposals for Malayalam and Tamil Scripts' Root Zone Label Generation Rules	No Statement							Sarmad Hussain sarmad.hussain@icann.org	

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Brief Overview

Purpose: The Neo-Brahmi Script Generation Panel (NBGP) was formed by nine communities that use scripts derived from the Brahmi script. NBGP is developing Root Zone Label Generation Rules (LGR) for Bengali, Devanagari, Gujarati, Gurmukhi, Kannada, Malayalam, Oriya, Tamil and Telugu scripts. NBGP is publishing the proposals for the LGRs of these nine scripts in multiple sets, releasing proposals for scripts that share cross-script variant code points together to the extent possible. The [first](#) and the [second](#) sets are already undergoing public comment and the third set, being released now, includes the following proposals:

1. *Proposal for the Malayalam Script Label Generation Rules for the Root Zone* ([LGR](#) [XML, 18 KB] and [supporting documentation](#) [PDF, 998 KB])
2. *Proposal for the Tamil Script Label Generation Rules for the Root Zone* ([LGR](#) [XML, 14 KB] and [supporting documentation](#) [PDF, 1.23 MB])

As per the [LGR Procedure](#) [PDF, 772 KB], these proposals are being posted for public comment to allow those who have not participated in the NBGP to make their views known. Overlapping these comment periods, to the extent possible, will allow the community to consider these proposals in the context of each other. Based on the feedback, the NBGP will finalize each 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, Greek, Japanese, Korean, Latin, Myanmar and Neo-Brahmi. In addition, Arabic, Armenian, Cyrillic, Ethiopic, Georgian, Khmer, Lao and Thai script GPs have already completed and [submitted](#) their LGR proposals. Except for Armenian and Cyrillic which have been deferred, the remaining six scripts have been integrated into the [RZ-LGR](#).

Next Steps: Following the public comments and submission of the proposals with any changes to reflect the public comments, the Integration Panel (IP) will evaluate the final proposals by the NBGP for these two scripts. Any proposals successfully evaluated will be integrated into a subsequent version of the [RZ-LGR](#). Remaining proposals will be sent to the NBGP 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 Neo-Brahmi Script Generation Panel (NBGP) was formed by nine communities using scripts derived from Brahmi script. It was [seated](#) by ICANN on 26 May 2015. The NBGP has developed the Proposal for the Malayalam Script Root Zone Label Generation Rules ([LGR](#) [XML, 18 KB] and [supporting documentation](#) [PDF, 998 KB]) and the Proposal for the Tamil Script Root Zone Label Generation Rules ([LGR](#) [XML, 14 KB] and [supporting documentation](#) [PDF, 1.23 MB]), following the format prescribed in the [LGR specification](#). Two sets of scripts have already been released for public comment earlier by NBGP: the proposals for Devanagari, Gujarati and Gurmukhi scripts (see [public comment](#)) and the proposals for Kannada, Telugu and Oriya scripts (see [public comment](#)).

The starting point for creating a script LGR for the Root Zone is the latest version of the Maximal Starting Repertoire ([MSR-3](#)). The work has been carried out following the specification of the 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](#) [PDF, 441 KB].

Each generation panel's proposals are posted for public comment. This permits those who have not participated in the generation panel to make their views known. A well-functioning public comment is a critical component of this procedure because there is no formal appeal mechanism for the RZ-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 for the Root Zone (RZ-LGR) are being developed to define a conservative mechanism to determine valid IDN TLDs and their variant labels, 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, develops a Label Generation Rules 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 the [LGR Procedure](#) [PDF, 772 KB].

Section III: Relevant Resources

- Proposal for the Malayalam Script Root Zone Label Generation Rules ([LGR](#) [XML, 18 KB] and [supporting documentation](#) [PDF, 998 KB])
- Proposal for the Tamil Script Root Zone Label Generation Rules ([LGR](#) [XML, 14 KB] and [supporting documentation](#) [PDF, 1.23 MB])

Section IV: Additional Information

Related materials can be found at the following links:

- 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>
- Guidance on Designing LGRs Supporting Variant Labels: <https://tools.ietf.org/rfc/rfc8228.txt>
- LGR Toolset: <https://www.icann.org/resources/pages/lgr-toolset-2015-06-21-en>
- Repository of Guidelines and other relevant documents: <https://www.icann.org/resources/pages/root-zone-lgr-documentation-2017-12-15-en>
- LGR proposals already received: <https://www.icann.org/resources/pages/lgr-proposals-2015-12-01-en>

Section V: Reports

FINAL VERSION 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.

DRAFT SUBMITTED FOR DISCUSSION

The first draft submitted will be placed here before the call for comments begins. The Draft should be preceded by the name of the person submitting the draft and the date/time. If, during the discussion, the draft is revised, the older version(S) should be left in place and the new version along with a header line identifying the drafter and date/time should be placed above the older version(s), separated by a Horizontal Rule (available + Insert More Content control).
