

Public Comment Summary Report

Additional Reference Label Generation Rules and Related Updates

Open for Submissions Date:

Tuesday, 12 May 2026

Closed for Submissions Date:

Tuesday, 23 June 2026

Summary Report Due Date:

Monday, 24 August 2026 (extended from Tuesday, 07 July 2026)

Category: Technical

Requester: ICANN organization

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Open Proceeding Link:

<https://www.icann.org/en/public-comment/proceeding/additional-reference-label-generation-rules-and-related-updates-12-05-2026>

Outcome:

ICANN org appreciates the comments submitted by the community on the additional and updated reference Label Generation Rules (LGRs). ICANN org received 33 relevant comments. Of these, 32 comments supported the new and updated reference LGRs. One comment received focused on fixing a typo and adding clarification to the Javanese reference LGR.

Based on the input received, reference LGRs will be finalized and published for generic top-level domain (gTLD) registry operators as reference while they design their Internationalized Domain Name (IDN) tables. These LGRs will also be used by ICANN to review the IDN tables submitted by gTLD registries.

Section 1: What We Received Input On

ICANN org has worked with relevant communities to review the already published [reference LGRs](#) for the second level for multiple scripts and languages. Additional reference LGRs have been developed and certain LGRs have been updated based on the detailed analysis by the relevant language and script communities.

Two new reference LGRs and six updated reference LGRs were released for Public Comment.

New reference LGRs:

1. Javanese script
2. Unified Canadian Aboriginal Syllabics (UCAS) script

Updated reference LGRs:

1. Arabic script: Two characters were added to support the Pegon writing system in Indonesia.
2. Inuktitut language: Additional cross-script variants were added due to the newly added UCAS script reference LGR.
3. Japanese language: An additional rule was added to align with the Root Zone Label Generation Rules version 6 (RZ-LGR-6).
4. Japanese script: An additional rule was added to align with the RZ-LGR-6.
5. Latin script: one character was added to support Algonquian languages in Canada.
6. Latin script (Full Variant): Cross-script variants were added due to an additional character added to the Latin script reference LGR.

ICANN org received feedback from the broader community on these updated and new reference LGRs.

Section 2: Submissions

Organizations and Groups:

Name	Submitted by	Initials
Registries Stakeholder Group		RySG
Internet Society of Indonesian Chapter		ISOC-ID
At-Large Advisory Committee		ALAC
PT Aidi Digital Global		PT ADG
Non-Commercial Stakeholder Group		NCSG

Individuals:

Name	Affiliation (if provided)	Initials
Alfredo Calderon-Serrano		AC
Muhammad Fauzi		MF
Nitin Walia		NW
Gheafany Widyatika Putri	PANDI	GW
Enoch Singano		GS
Diksha Neeladoo B. Simmandree	AFRALO	DN
Budya Marsudi		BM
Rony Lantip		RL
Sony Saifuddin		SS
Setya Prasaja	Special Region of Yogyakarta Cultural Office	SP
Dila Reswari		DR
Ody Dasa Fitranto		OD
Ageng Purwo Ariyatno		AP
Niken Adaruyung		NA
Ali Topan		AT
Wawan Setyawan		WS
Afifah Adzkiya		AA
Muhammad Fauzan Paranditha		MFP
Dzaki Ramadhan		DRA
Arvianti Yulia		AY
Ahmad Ropai		AR
ADI NUGROHO		AN
Dedy Ruspandi		DRU
Arta Tama		ATA
Arif Budiarto		AB
adit hasibuan		AH
Yudho Giri Sucahyo	University of Indonesia	YG
Mira Fajriyah		MFA

Section 3: Summary of Submissions

RySG appreciates ICANN org and the ICANN community for the continued work to develop and disseminate reference LGRs. RySG continues to see the value of IDNs to further the goals of competition and consumer choice for Internet users globally.

ISOC-ID supports the ongoing reference LGR work and encourages the adoption of the reference LGRs.

ALAC supports the development and finalization of these new and updated reference LGRs, noting its timeliness in enabling additional scripts for the new gTLDs of the New gTLD Program:

2026 Round. ALAC further suggests that technical readiness does not automatically reach marginalized user groups, the proactive outreach should be made to implement and create awareness of IDNs in these additional scripts.

PT ADG, an Indonesia-based Registry Service Provider, supports the new and updated reference LGRs and recommends that ICANN org should finalize and publish reference LGR promptly along with Universal Acceptance (UA) guidance and tooling, so that domains in these scripts are accepted consistently across applications.

NCSG supports the new and updated reference LGRs and encourages ICANN org to continue its collaborative engagement with linguistic communities. NCSG further encourages continued alignment between reference LGR work and UA initiatives to support a truly multilingual Internet.

AC supports the new and updated reference LGRs and stresses that they must be accompanied by strong safeguards for end-user trust, security, and predictability, including careful treatment of variant labels, cross script variants. AC further suggests that the explanatory materials alongside the technical HTML/XML files should be made available for the non-technical stakeholders.

MF supports additional reference LGRs and related updated ones, particularly the Javanese reference LGR and the updated Arabic script reference LGR supporting the use of Pegon.

NW appreciates the efforts by ICANN communities in continuous development and enhancement of the reference LGRs. NW highlights that IDNs and UA are important in enabling global digital participation for diverse linguistic communities.

GW supports the publication of Javanese reference LGR and the updated Arabic script reference LGR supporting the use of Pegon.

GS acknowledges the collaborative work of the ICANN community and supports the new and updated reference LGRs as supporting diverse languages can help bridge gaps in Internet accessibility and usability.

DN supports additional reference LGRs and related updated ones and encourages the continuing community consultation, transparent documentation, and the work toward UA.

BM fully supports the Javanese reference LGR and appreciates its thoroughness in addressing security risks while respecting the complex rules of the script. Implementing the LGR will give millions of potential users the confidence to navigate the web using their native script without sacrificing Internet safety.

RL shares strong support for the adoption of the Javanese reference LGR.

SS fully supports the Javanese reference LGR and shares that there are a large number of Javanese script users who will benefit from implementing the Javanese reference LGR.

SP, DR, OD, AP, NA, AT, WS, AA, and ATA fully support the Javanese reference LGR.

MFP, DRA, AY, AR, AN, DRU, and MFA support the Javanese reference LGR and the updated Arabic script reference to support the Pegon writing system.

AB, a contributor to Javanese reference LGR proposal, suggests one correction to the LGR. The proposal currently states that “*U+A9B4 (JAVANESE VOWEL SIGN TARUNG) may follow U+A9BA (JAVANESE VOWEL SIGN TALING) or U+A9BC (JAVANESE VOWEL SIGN PEPET).*” The reference to U+A9BC is incorrect. The rule should be updated to be “*U+A9B4 may follow U+A9BA (JAVANESE VOWEL SIGN TALING) or U+A9BB (JAVANESE VOWEL SIGN DIRGA MURE), and it must not follow other dependent vowels.*”

AB further provides clarification on rules in the Javanese reference LGR. Rule 3 describes the general behavior of dependent vowels, whereas Rule 4 provides a specific restriction for U+A9B4. The intended interpretation is that U+A9B4 is governed by the specific restriction described in Rule 4.

AH supports Javanese script reference LGR and the updated Arabic script reference LGR especially the two additional characters to support the Pegon writing system.

YG supports the Javanese reference LGR and the updated Arabic script reference to support the Pegon writing system. YG appreciates the work of ICANN, the relevant panels, and language experts in balancing linguistic accuracy, usability, security, and DNS stability.

Section 4: Analysis of Submissions

ICANN org thanks all the contributors for their valuable input and feedback. All comments will be taken into consideration.

ICANN notes the suggestions to take a proactive approach on outreach of these new and updated reference LGRs to implement and create awareness of them, and to continue subsequent work on their universal acceptance.

In response to the suggestions to make the documentation on these reference LGRs available, ICANN has been publishing the supporting document along with each HTML/XML file on the ICANN webpages. ICANN org will consider improving the visibility of these supporting documents.

ICANN org notes that there is no update suggested for the UCAS reference LGR and other updated reference LGRs.

Regarding the feedback received on Javanese reference LGR, the update will be discussed with the Javanese community and then incorporated into the final version of the Javanese reference LGR.

Section 5: Next Steps

After consideration of the comments, and modification as needed, the final version of the Reference LGRs will be posted on the [Second-Level Reference LGR web page](#).