



IDN TLD Program at ICANN

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Introduction - ASCII and IDN TLDs

www.cafe123.com



Third Level Domain Second Level Domain Top Level Domain (TLD)



Syntax of ASCII TLD

Use only **Letters [a-z]**

हिन्दी.भारत



IDN Second Level Domain IDN Top Level Domain (TLD)



Syntax of IDN TLD

U-Label, constrained by the “**letter**” principle

What is a “letter” in a script?
Are all “letters” unique in a script?

Root Zone LGR Procedure

Generation Panels

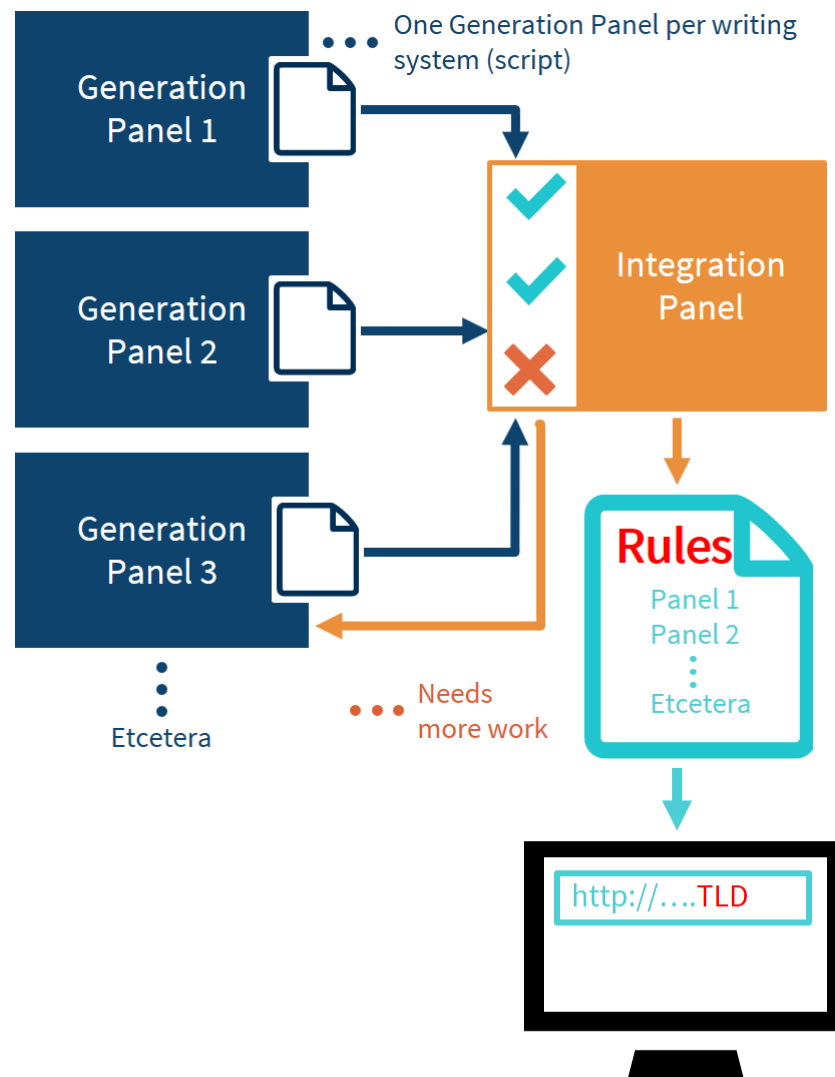
- Generate proposals for script specific LGRs, based on community expertise and requirements

Integration Panel

- Integrates them into common Root Zone LGR while minimizing the risk to Root Zone as shared resource

Label Generation Rules (LGR)

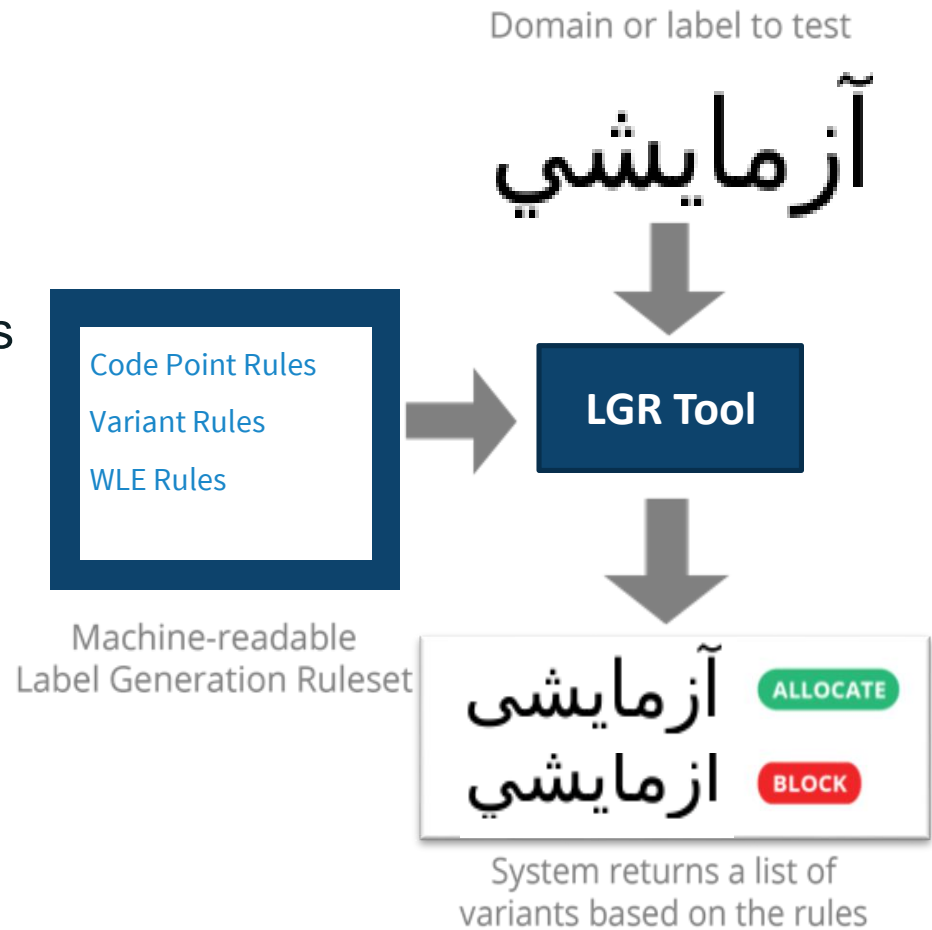
- Which labels are permissible
- Which variant labels exist
- Which variant labels may be allocated



	060	061	062	063	064	065	066	067	068	069	06A	06B	06C	06D	06E	06F		075	076	077		08A	08B	08C	08D	08E	08F
0	ا	ب	ي	ذ	-	٠	٠	پ	ت	ث	ع	گ	ة	ي	٠	٠	0	پ	ب	ت	0	پ					٠
1	ا	ب	ء	ر	ف	ا	ا	ا	خ	ر	ه	گ	ه	ي	٠	ا	1	ب	پ	ر	1						٠
2	م	ب	آ	ز	ق	٢	٢	أ	خ	ز	ب	گ	ة	ے	٠	٢	2	پ	ک	خ	2	ب					٠
3	ص	ب	أ	س	ك	٣	٣	ا	ج	ر	ف	گ	ة	ئے	٠	٣	3	پ	ک	ا	3						٠
4	ا	ب	ؤ	ش	ل	٤	٤	ج	ر	ف	ش	گ	و	-	٠	٤	4	ن	ک	ا	4					٠	٠
5		ب	ا	ص	م	٥	٥	ا	خ	ر	پ	ل	و	ه	ر	٥	5	پ	م	ی	5					٠	٠
6	٦	ب	ض	ن	٦	٦	٦	و	چ	ر	ق	ن	و	ا	ا	٦	6	ن	م	ی	6					٠	٠
7	٧	ب	ط	ا	ه	٧	٧	و	چ	ر	ف	و	و	٠	٠	٧	7	خ	ن	ی	7					٠	٠
8	و	ب	ظ	ب	و	٨	٨	ئ	ڈ	ر	ق	پ	و	٠	٠	٨	8	چ	ن	و	8					٠	٠
9	٪	ب	ة	ع	ی	٩	٩	ٹ	د	ر	ک	ن	و	٠	ا	٩	9	پ	ن	و	9					٠	٠
A	٪	ب	ت	غ	ی	٪	٪	ن	د	ن	ک	ن	و	٠	٠	A	A	پ	ن	ے	A					٠	٠
B	ف	؛	ث	ک	ب	ر	ر	ب	ب	پ	ک	ن	و	٠	٠	B	B	پ	ن	ے	B					٠	٠
C	،	ALM	ج	ک	ب	ر	ر	ب	ب	پ	ک	ن	ی	٠	٠	C	C	پ	ن	ج	C					٠	٠
D	،		ح	ی	ب	ر	ر	ب	ب	پ	ک	ن	ی	٠	٠	D	D	پ	ن	ج	D					٠	٠
E	ه	ء	خ	ی	ب	ر	ر	ب	ب	پ	ک	ن	ی	٠	٠	E	E	پ	ج	ش	E					٠	٠
F	ع	؟	د	ی	ب	ر	ر	ب	ب	پ	ک	ن	و	٠	٠	F	F	پ	ج	ک	F					٠	٠

LGR Toolset (beta)

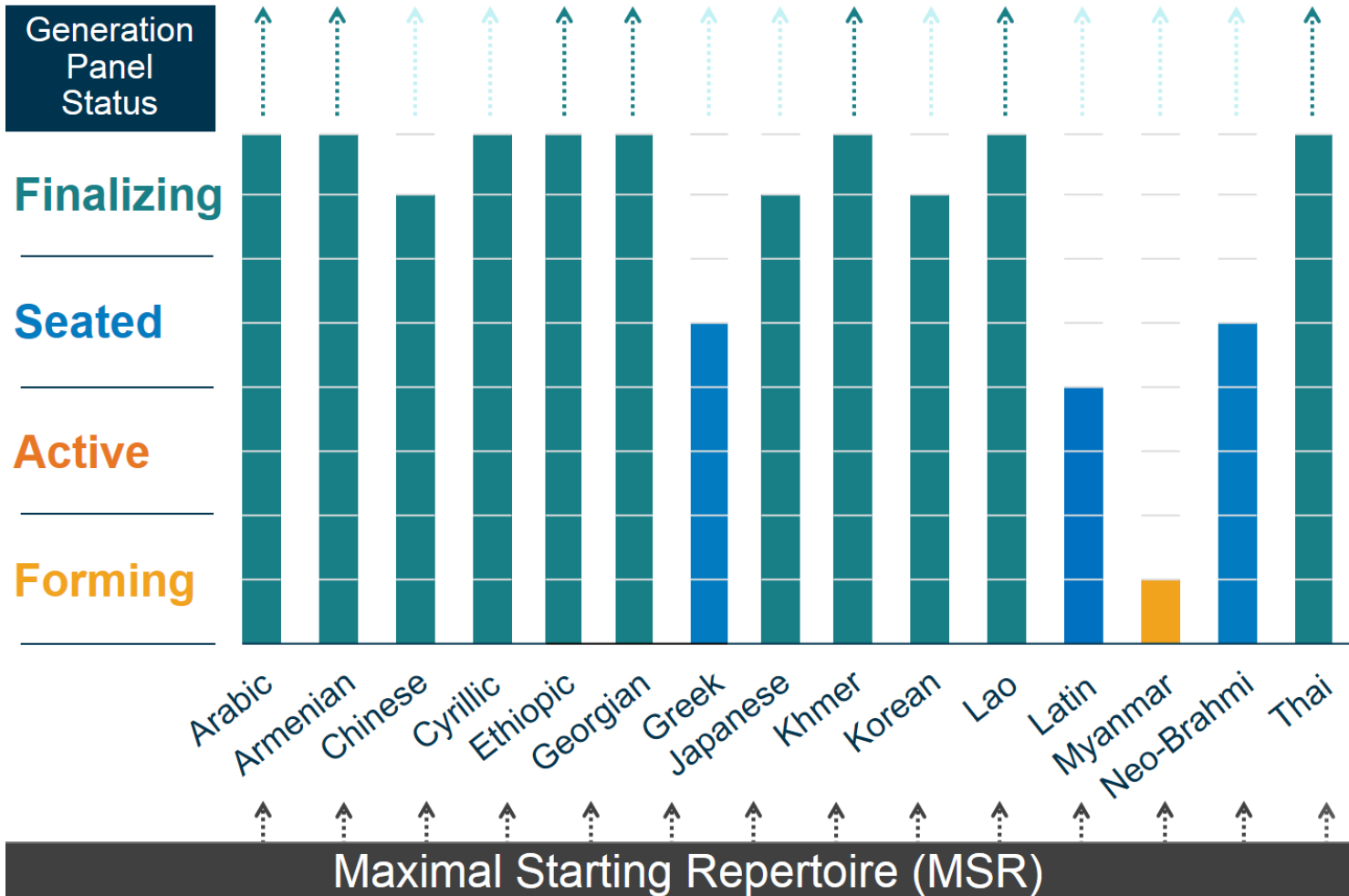
- ◉ Label Generation Rulesets (LGRs) used to generate domain name labels, per [RFC 7940](#)
- ◉ LGR Toolset allows for the following:
 - ◉ Create, use and manage LGRs
- ◉ Online beta deployment
 - ◉ Visit <https://lgrtool.icann.org/>
- ◉ Open source package(s) release
 - ◉ Released at github: [lgr-core](#), [lgr-django](#), [munidata](#)
- ◉ [User guide](#) available for further details



Status of LGR Development

Label Generation Rules (LGR)

May 2017



28+ Scripts
19+ GPs

Other:

- Hebrew
- Sinhala
- Thaana

Scope of Neo-Brahmi GP

- On 15 May 2015 the Neo-Brahmi script community submitted to ICANN the [Proposal for Generation Panel for Neo-Brahmī Scripts Label Generation Ruleset for the Root Zone](#), covering Bengali, Devanagari, Gujarati, Gurmukhi, Kannada, Malayalam, Oriya, Tamil and Telugu scripts
 - For each script
 - Cover all languages with widespread, everyday general use Cover all geographical regions where the scripts are used
 - Ensure that technical criteria is met along with the socio-linguistic requirements

How to Get Involved?

Volunteer

Volunteer for your script Generation Panel (GP)

To contribute expertise, contribute to the GP for your script. You can get involved by simply emailing your CV and a brief statement of interest to IDNProgram@icann.org

Review

Review work through public comments

Sign up for the IDN mailing list vip@icann.org (to sign up, visit <https://mm.icann.org/listinfo/vip>) and participated in the review of IDN work being done at ICANN through the public comments

Listen

Keep yourself updated

Attend regular IDN Program Update sessions at ICANN meetings and sign up on the IDN mailing list vip@icann.org to get updates on the IDN Program at ICANN

Engage with ICANN



Thank You and Questions

Reach us at: IDNProgram@icann.org

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