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IDN Variant TLD Program Update

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Agenda

- Program Update – 15 min
- MSR - 15 min
- Community updates:
 - Arabic Generation Panel – 15 min
 - CJK Coordination Report – 15 min
 - Neo-Brahmi Prospective Generation Panel - 15 min
- Q&A - 15 min

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Program Update

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IDN Variant Program: A Brief Overview

Phase 1: 2011



- Script Case Studies Conducted: Arabic, Chinese, Cyrillic, Devanagari, Greek, Latin

Phase 2: 2011 – 2012



- Integrated Issues Report development and publication

Phase 3: 2012 – 2013



- Creation of Procedure to develop and maintain the Label Generation Rules for the Root Zone in Respect of IDNA labels (LGR Procedure)
- Development of “Study on Examining the User Experience Implications of Active Variant TLDs” and XML specification for representing Label Generation Rules

Phase 4: 2013 – 2015 (In Progress)



- Implementation of LGR procedure
- Processes development for incorporating the LGR
- Ongoing work on XML specification

LGR Procedure Overview

TO BE FORMED BY SCRIPT COMMUNITIES

Generation Panels

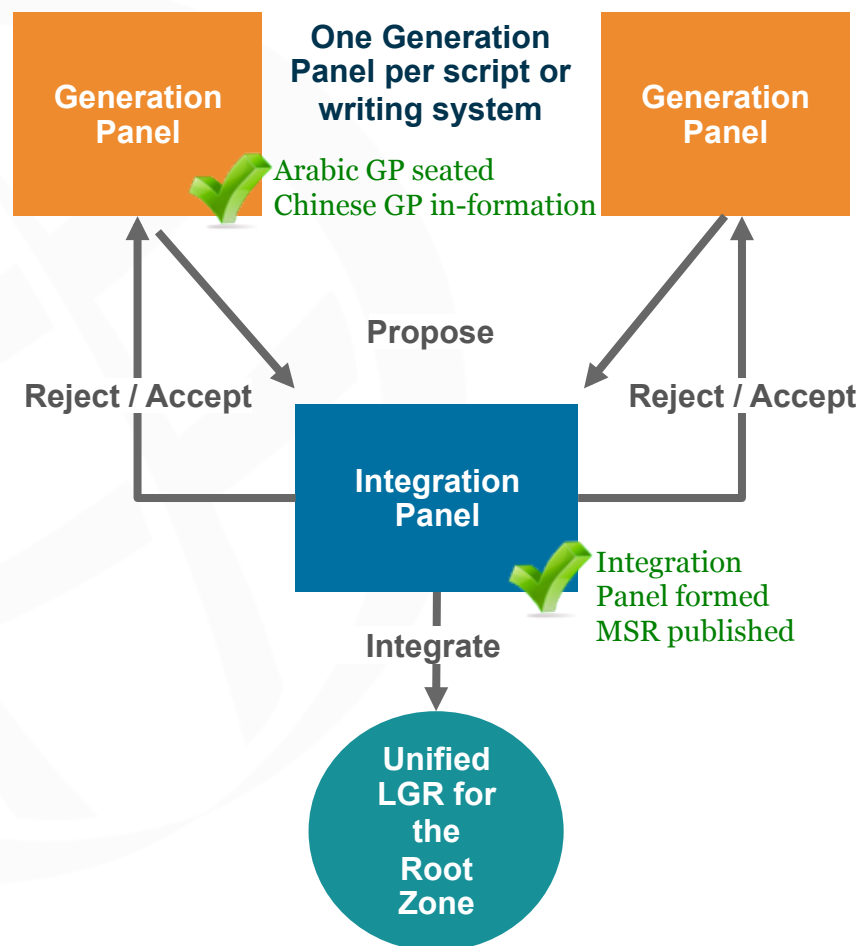
- Generate proposals for script specific LGRs, based on community expertise and requirements

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



LGR Project Status – Milestones

- Community Work
 - Arabic Generation Panel seated
 - Chinese Generation Panel in formation
 - Japanese, Korean and Neo-Brahmi Generation Panels being organized
 - Individual expression of interests for other scripts
- ICANN/Integration Panel Work
 - MSR-1 released for Public Comments
 - MSR-1 published – 20 June
 - Ongoing outreach efforts

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MSR-1 Public Comment Process

- Public Comment Report released on 20 June 2014:
<https://www.icann.org/en/system/files/files/report-comments-msr-20jun14-en.pdf>
- Inputs received:
 - General:
 - Community support for the conservative approach
 - Process:
 - Need for addition in MSR and LGR (scripts already included)
 - Need for addition in MSR and LGR (scripts not included)
 - Need for review by relevant script community
 - Need for outreach to additional script communities
 - Code points:
 - Inclusion of specific code points
 - Considering inclusion of languages spoken by smaller communities

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Cyclical, additive nature of MSR & LGR

- Motivation
 - Portions of MSR are not reviewed by relevant script community
 - At this time, there is not sufficient data to decide on a code point
 - The status of a code point may change over time
- Recommendation for further feedback
 - Cyclical releases of MSR and LGR so communities and ICANN can organize their work – based on community need and practical considerations
 - Additive releases of MSR and LGR, if new evidence for a code point and no impact on security and stability of existing system

Outreach Efforts

- Outreach efforts focused on organizing GPs
 - [Quick Guide Kit for Generation Panels](#)
 - IDN interviews and videos
 - Email to ICANN executive mailing list to reach out to their contacts to create new GPs
- Keeping community informed
 - Targeted events such as IGF, regional IGFs and ICANN meetings
 - [Web announcements](#) and updates on [project Community Wiki](#)
 - Brochures and collateral materials
- Facilitate GP-IP interaction

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Moving Forward

- Suggested Plan

- MSR-2 to cover additional scripts by Q1 2015
- LGR-1 by Q3 2015 (anticipated; based on community proposals)

- Call to Action

- Current panels finishing proposals in early 2015 to submit for LGR-1
- New panels to provide input for future releases of LGR

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LGR Procedure Depends on Community Work

- **Generation Panels and LGR proposals are REQUIRED for IDN variants to be considered for delegation**
- **Get involved:**
 - Form a generation panel
 - Volunteer to join a generation panel
 - Take part in public review of the MSR, LGR proposals, integrated LGR, etc.
 - Disseminate information to interested individuals communities

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Arabic

Bengali

Chinese

Cyrillic

Devanagari

Georgian

Greek

Gujarati

Gurmukhi

Hebrew

Japanese

Korean

Latin

Sinhala

Tamil

Telugu

Thai

Want To Know More?

Join us for the LGR Workshop!

- IDN Root Zone LGR Generation Panels Workshop

Wednesday, 25 June 2014 — 13:00–15:00 BST

Balmoral Room

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Resources

- Toolkit for ‘How to form a Generation Panel’
 - [Quick Guide Kit for Generation Panels](#)
- Project mailing lists:
 - LGR@icann.org: Communicate with LGR community members and the Integration Panel on matters related to LGR work
 - IntegrationPanel@icann.org: Contact directly the Integration Panel members on all matters related to LGR work
 - ArabicGP@icann.org, ChineseGP@icann.org, CyrillicGP@icann.org, KoreanGP@icann.org, NeoBrahmiGP@icann.org : script community dedicated mailing lists
 - idntlds@icann.org: Contact ICANN to submit Generation Panel proposals, individual statement of interests, work reports, updates, etc.
 - Discuss issues related to the IDN Variant TLDs Program by subscribing to vip@icann.org here: <https://mm.icann.org/mailman/listinfo/vip>

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Version 1 of the Maximal Starting Repertoire (MSR-1)

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MSR-1 Available

- MSR-1 released on 20 June 2014:
<https://www.icann.org/news/announcement-2-2014-06-20-en>
- Work can now proceed for 22 scripts to create LGRs for the Root Zone
- Generation Panels will:
 - pick repertoire from within the MSR
 - decide whether code point variants exist
 - decide whether these should lead to allocatable or blocked variant labels
 - generate an LGR proposal for public comment and review (and integration) by Integration Panel

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MSR-1 Content in Numbers

- 22 scripts
 - Arabic, Bengali, Cyrillic, Devanagari, Georgian, Greek, Gujarati, Gurmukhi, Han, Hangul, Hebrew, Hiragana, Kannada, Katakana, Lao, Latin, Malayalam, Oriya, Sinhala, Tamil, Telugu and Thai
- ‘Common’ and ‘Inherited’ (shared)
- 32,790 code points
 - From 97,973 PVALID/CONTEXT code points defined in Unicode 6.3
 - 11,172 Hangul syllables and 19,850 Han ideographs

MSR-1 Public Comment Process

- Analysis of inputs received:
 - Requests for revision in code point analysis
 - Request for attention to languages with smaller communities
- Response:
 - 7 additional code points
 - Updated MSR Overview and Rationale document to address inputs received, including explicit use of languages on EGIDS to assess 'established vitality' of scripts in use
- Public Comment Report:
<https://www.icann.org/en/system/files/files/report-comments-msr-20jun14-en.pdf>

Expanded Graded Intergenerational Disruption Scale (EGIDS)

- EGIDS
 - Not based on **population size**, but on “**established vitality**”
- Used as proxy for “effective demand” for the writing system
 - Not a perfect correlation, some writing systems not stable
- For the MSR the IP used the cut-off between Level 4 and Level 5
- *4: Educational*
 - Language in vigorous use, with standardization and literature being sustained through a widespread system of institutionally supported education
- *5: Developing*
 - Language in vigorous use, with literature in a standardized form being used by some though this is not yet widespread or sustainable

<https://www.ethnologue.com/about/language-status>

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MSR - Next Steps

- MSR-1 is only the start
- MSR-2 will complete the repertoire
 - Adds some or all of the deferred scripts:
 - Armenian, Ethiopic, Khmer, Myanmar, Thaana and Tibetan
 - Possible further extensions where warranted, including existing script repertoire
- In the meantime, MSR-1 is the basis for LGR-1

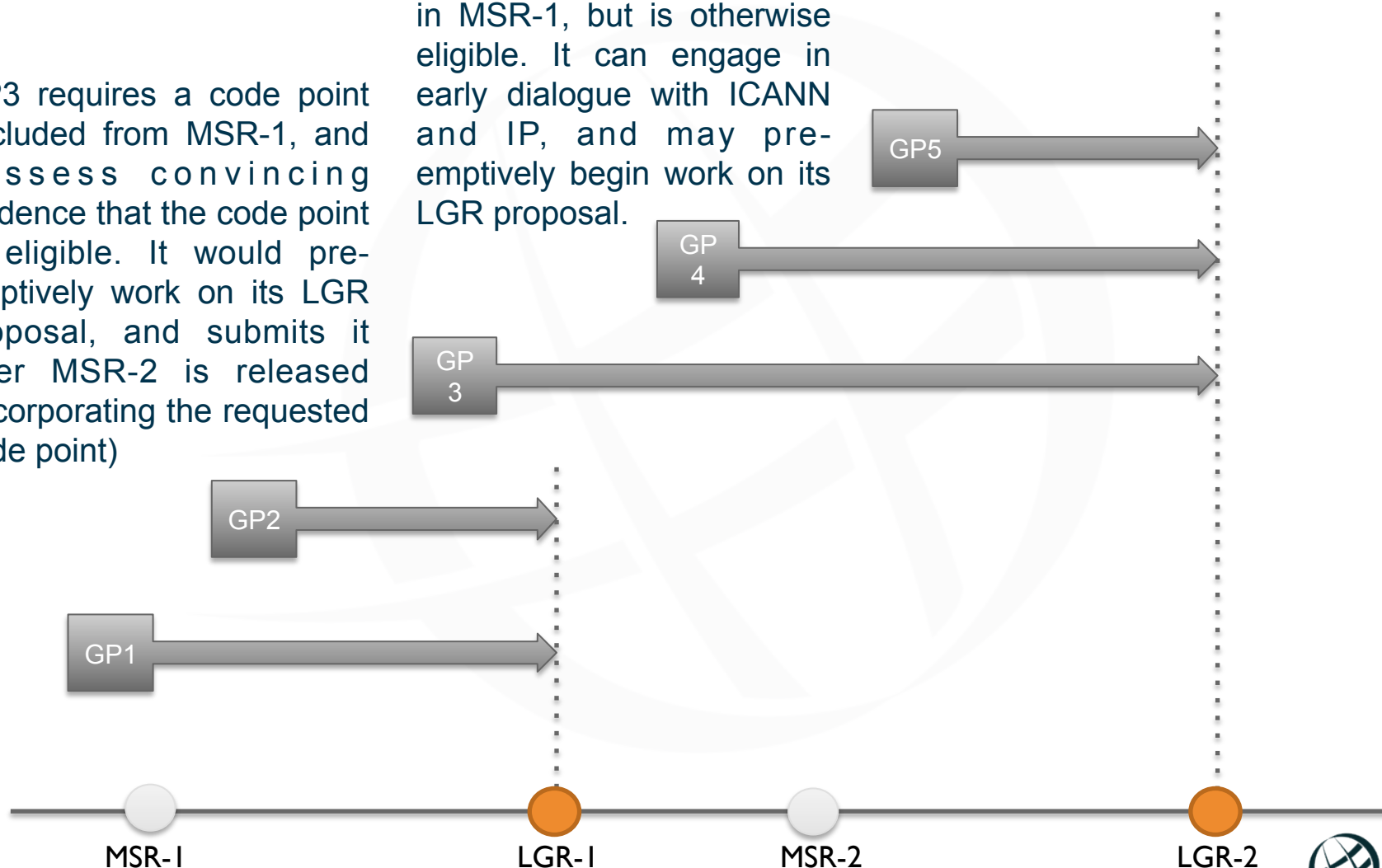
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MSR and LGR Timeline

GP3 requires a code point excluded from MSR-1, and possess convincing evidence that the code point is eligible. It would preemptively work on its LGR proposal, and submits it after MSR-2 is released (incorporating the requested code point)

GP4's script is not included in MSR-1, but is otherwise eligible. It can engage in early dialogue with ICANN and IP, and may preemptively begin work on its LGR proposal.



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IP-GP Communications

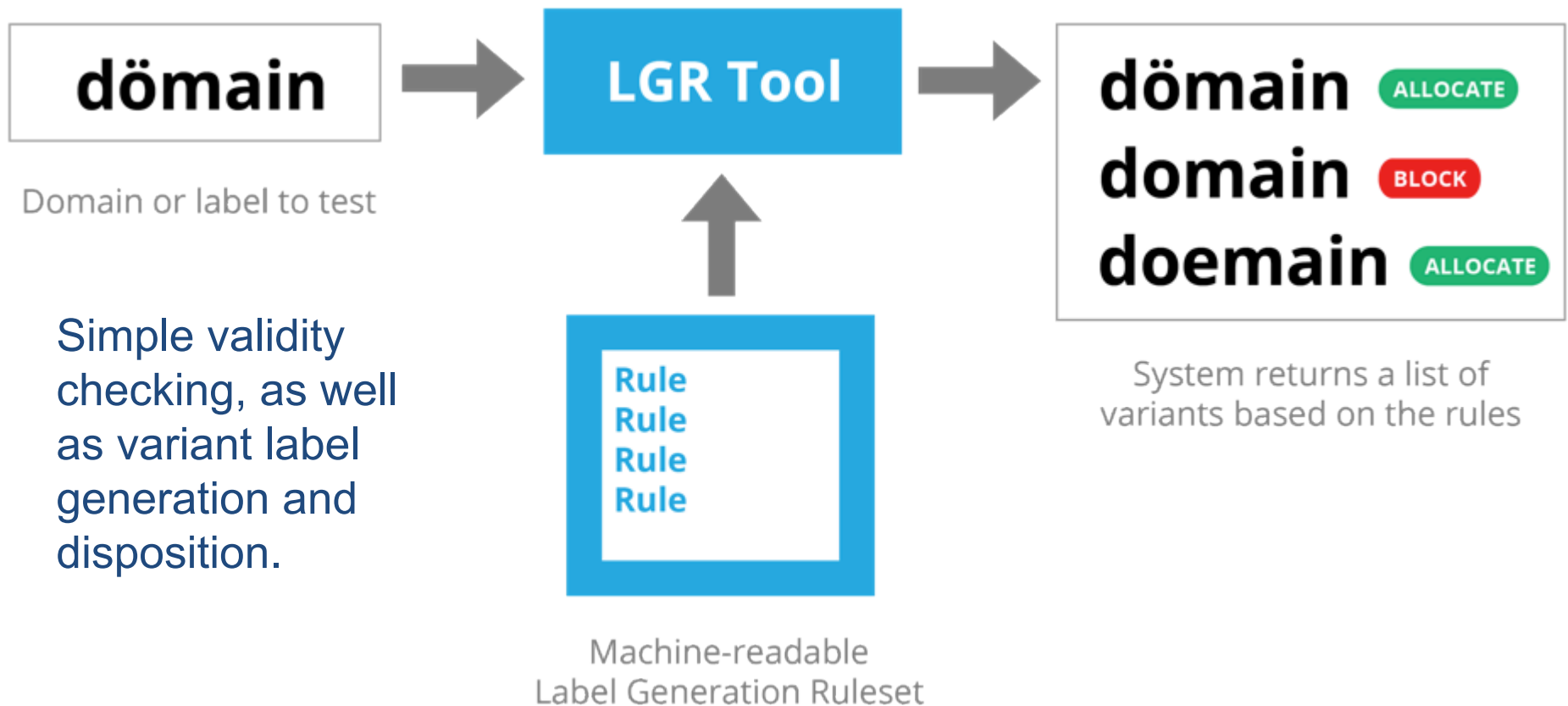
- Integration Panel available to help Generation Panels to make progress and to ensure successful submissions of script LGRs
- When scripts are related, coordination between GP is needed, so that consistency between LGRs is agreed between GPs before submitting the LGR to IP
- Use integrationpanel@icann.org to reach the Integration Panel
 - Mailing list is archived and public

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Representing LGRs in XML

- What Does XML-LGR Enable?



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XML Status and Next Steps

- Finalize specification and move tool(s) to production state
- Internet draft currently under review by the community
 - <http://tools.ietf.org/html/draft-davies-idntables-07>
 - Send feedback or discuss on public mailing list: vip@icann.org
- Use the specification as the basis for Root LGR work
- Creating LGRs or Converting to XML Format, generally a straightforward process
- The internet draft contains detailed examples
 - Including how to convert RFC 3743-style IDN tables
- MSR-1 can be used as a template for simple LGR with no variants
- ICANN working on setting up a process to support community in syntactically correct submissions

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Community Work

Arabic Generation Panel

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Community Work

CJK Coordination Report

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Community Work

Neo-Brahmi Prospective

Generation Panel

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ICANN IDN Team: Thank You

USEFUL LINKS:

- The LGR Procedure:
<http://www.icann.org/en/resources/idn/variant-tlds/lgr-procedure-20mar13-en.pdf>
- MSR-1 Public Comment: <https://www.icann.org/public-comments/msr-2014-03-03-en>
- MSR-1 released: <https://www.icann.org/news/announcement-2-2014-06-20-en>
- V07 Internet Draft for LGR Rules Toolset Project Published:
<http://tools.ietf.org/html/draft-davies-idntables-07>
- Call for Generation Panels to Develop Root Zone Label Generation Rules:
<http://www.icann.org/en/news/announcements/announcement-11jul13-en.htm>
- Setting up and running a Generation Panel:
<https://community.icann.org/display/croscomlgrprocedure/Generation+Panels>
- Community Wiki LGR Project website:
<https://community.icann.org/display/croscomlgrprocedure/Root+Zone+LGR+Project>
- For more info on the IDN Variant related pages, please visit:
<https://www.icann.org/resources/pages/variant-tlds-2012-05-08-en>
- To submit expressions of interest, or if you have additional questions, please contact ICANN at: idntlds@icann.org

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