

Internationalized Domain Names Status Report

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Tina Dam
IDN Program Director
ICANN
tina.dam@icann.org



Principles

- Global uniqueness and interoperability of the DNS
 - unique and unambiguous domain names with same functionality regardless of geographic placement of access
- Promote “Future-Proof” solutions
 - define characters that are allowed and an ability for adding new ones
- Not all characters used in the worlds languages will be available for use in domain names
- Diminish user confusion as much as possible, via
 - technical development and implementation requirements, registry policies, and user education
- IDNA protocol standard in implementation
- Promote multi-stakeholder involvement
- Roles of ICANN Supporting Organizations and Advisory Committees
 - ICANN staff does not create policy

Internationalized Top level Technical Test

- Laboratory test of Root-zone and resolver software successfully finalized
- Various suggestions from community:
 - Application testing
 - UI testing
 - Registry/registrar interface testing across to the end-user
 - Testing of sets of strings for user preference
 - DNAME testing and production
 - None of the above
 - More...
- Staff is consulting with ICANN Board Liaison's for their technical expertise and recommendation on how to reach the goal
 - Create an overview of what happens from UI to DNS resolution
 - SSAC IDN Study
 - RSSAC participation
- Decision of whether internationalized top level labels can be inserted in the root-zone in a technically secure and stable manner



IDNA Revision - IETF

- IDNA is the protocol for IDNs
- The revision of IDNA is based on RFC4690, intends to:
 - Make it easier to understand how the protocol is working and should be implemented
 - Clearer terminology definitions
 - Make the protocol non-dependant on versions of Unicode
 - Inclusion based model instead of exclusion based
 - Stringprep changes to eliminate R-to-L script errors
- Follows the IETF process for RFCs – open participation
- Latest Internet draft version is available at:

<http://www.ietf.org/internet-drafts/draft-klensin-idnabis-issues-01.txt>

IDN Policies

- No formal policy development process has been started in the ccNSO and the GNSO
- Many IDN policy focused working groups and numerous meetings on the issues reports that was generated by these groups
- IDN Policy workshop:
 - Perhaps not possible to separate internationalized top level domains into ccTLD, gTLD or other categories
 - ccNSO, GNSO, GAC IDN working groups have a large amount of overlapping issues that need to be solved together
 - Staff will discuss with SO/AC Chairs for next steps
 - More transparent, efficient and faster process to finalize

Apologies

- to all who need internationalized top level labels because we are not able to provide that service today

Thank You

- to all those who work hard and proactively to make internationalized top level domains a reality