Are ccTLD registries ready for Universal Acceptance?

Maria Kolesnikova
Coordination Center for TLD .RU/.РФ
11th March 2021, Pre-ICANN70 ccTLD News Sessions
Think about it!

- What does Universal Acceptance mean for ccTLD registries?
- Are ccTLD registries involved in UA issues? How?
- Should ccTLD registries make all their systems UA Ready? Why?
- What do ccTLD registries need to achieve UA Readiness compliance?
- What can be done by ccTLD registries for wider UA implementation and awareness rising?
UA Categories Affected

- **Domain Names:**
  - New top-level domain names: example.sky
  - Long top-level domain names: example.africa
  - Internationalized domain names: ёпочта.рф

- **Internationalized email addresses (EAI):**
  - ASCII@ASCII (new and long TLD): ekrem@misal.istanbul
  - ASCII@IDN: marc@société.org
  - Unicode@ASCII: 测试@example.com
  - Unicode@IDN: пример@тестовая-зона.рф
  - Unicode@IDN; right to left scripts: مثال@ميل-ای

More about Universal Acceptance on UASG website [https://uasg.tech/](https://uasg.tech/)
IDN Survey 2020

UA Readiness of ccTLD registries

IDN registrations at the second level

- Supported: 81%
- In Preparation: 4%
- Not Supported: 14%

ccTLDs with IDN registrations available by region

- Europe: 40 ccTLDs
- Asia-Pacific region: 42 ccTLDs
- South America: 11 ccTLDs
- Africa: 2 ccTLDs
- North America: 1 ccTLD
IDN Survey 2020

UA Readiness of ccTLD registries

- **IDN ccTLDs** (30%)
- **ASCII ccTLDs** (70%)

**Scripts offered in IDN ccTLDs surveyed**

- Arabic: 9 ccTLDs
- Cyrillic: 7 ccTLDs
- Han: 4 ccTLDs
- Tamil: 2 ccTLDs
- Armenian, Greek, Devanagari, Sinhalese, Thai, Simplified Chinese, Hangul: 1 ccTLD each
IDN Survey 2020
UA Readiness of ccTLD registries

Form of IDN record in Registry/Database:
- IDN and xn--: 50%
- xn-- only: 18%
- IDN only: 32%

Form of IDN display in user interfaces:
- IDN and xn--: 32%
- xn-- only: 18%
- IDN only: 50%

Can IDN be displayed in WHOIS service?
- Not allowed: 11%
- Web-based WHOIS only: 33%
- Port 43 and web-based WHOIS: 56%
Are mailbox names with Unicode symbols (before or after @) permitted as Contact email within Registry/Database?

- Yes: 19%
- No: 81%

(Share of ccTLDs)

Does your organization mail server support work with Unicode mailbox names?

- Send and receive only: 17%
- Send/receive and create account: 21%
- No: 63%

(Share of registries)

Full Report on IDN Survey 2020:
Some considerations:

- Lack of knowledge on Universal Acceptance (technical aspects)
- Low level of EAI support (registry software environment elements)
- IDNs to address registry resources (case studies)

Take part in IDN Survey 2021!

Link is shared through CENTR, APTLD, LACTLD, AFTLD.

*Learn more on IDN worldwide statistics at IDN World Report - [https://idnworldreport.eu/](https://idnworldreport.eu/)
Let’s talk about it!

- What does Universal Acceptance mean for ccTLD registries?
- Are ccTLD registries involved in UA issues? How?
- Should ccTLD registries make all their systems UA Ready? Why?
- What do ccTLD registries need to achieve UA Readiness compliance?
- What can be done by ccTLD registries for wider UA implementation and awareness rising?
Thank you!

masha@cctld.ru  |  маша@кц.рф