Internationalized Domain Names
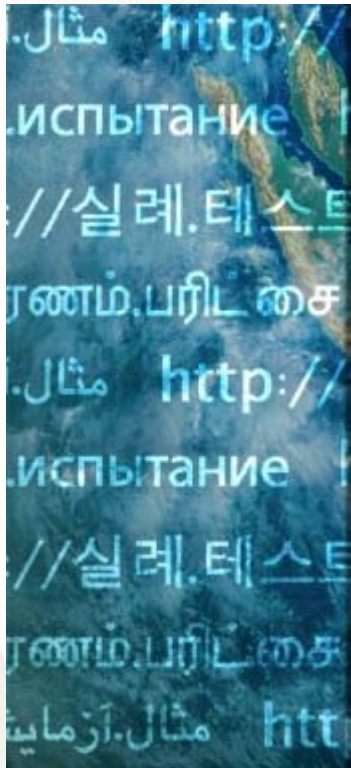
Tina Dam

Senior Director, IDNs
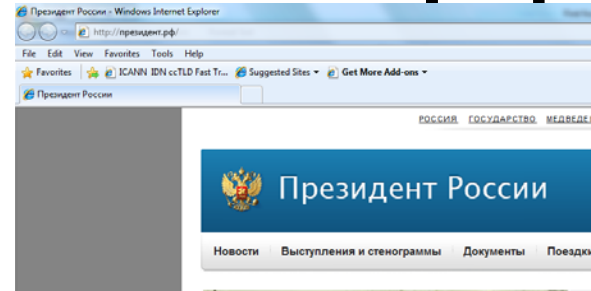19 June 2010

Agenda: IDN Session 1600-1730

- **IDN ccTLD Fast Track Process**

- general status and review

- experience from UAE, Saudi Arabia, and Russia

- **IDN Variant Management**

- challenge ahead and ICANN activity plans

- variant management experience, CNNIC and TWNIC
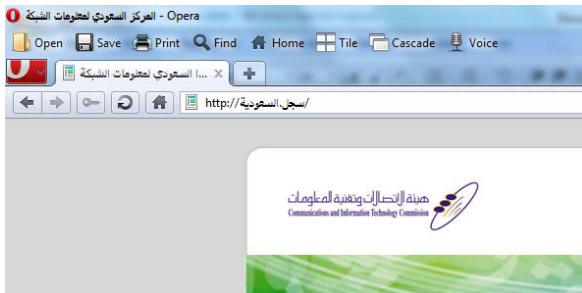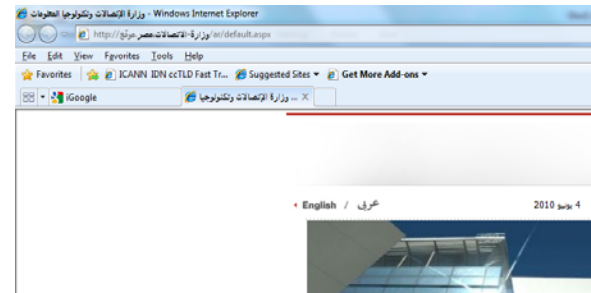
First Four IDN ccTLDs

امارات

рф

السعودية

مصر

IDN General Status

- **First Four Fast Track IDN ccTLDs live:**

- more coming: 31 requests totally/19 languages

- updates: http://www.icann.org/en/topics/idn/fast-track/

- **IDN gTLDs in the gTLD Program - to be launched**

- **Usability generally (including IDNs)**

- **TLD variants management project - to be initiated**

- **IDN Guidelines revision underway**

- **Internationalized Email Protocol underway (IETF)**

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IDN ccTLD Fast Track Revision

- **Scheduled for November 2010**

- ongoing minimum annually

- **Topics for considerations:**

- transparency and timing

- community support clarifications and documentations

- disputes and confusingly similarity

- IDN ccTLD manager decisions and process

IDN ccTLD Fast Track Experiences

Mohammad Alzarooni, UAE

Dr. Abdulaziz H. Al-Zoman, Saudi Arabia

Andrei Kolesnikov, Russian Federation

IDN TLD Variant Management

- IDN TLD Variants not supported in Fast Track nor gTLD Program

- Important for IDN usability, especially in certain regions

- Important to avoid confusability

Variant Variance

中国 vs. 中國

- same language/script /meaning, look different

السعودية vs. السعودية

- same language/same script /meaning/look

پاکستان ک 06A9

پاکستان ك 0643

- different language, same script/meaning/look

- Translations are not variants

IDN Variant Management Experience

ACs ACSO ALAC Applicant
Guidebook Board briefing note
cairo ccNSO ccTLD Cerf
Delhi DNS dnssec Fast
Track GNSO gtld
ICANN IDN IDNs IIC
IPv4 ipv6 isp JPA L-root
magazine Mexico City
NomCom Paris
Participation Policy
public comment public
forum question box RAA
Registrars Registries

- Speakers:

- Xiaodong Lee, CNNIC

- Nai-Wen Hsu, TWNIC

Proposed Variants Policy Considerations

Variant Definitions Needed:

AGB v4:
- a single character has two or more graphic representations
- may/may not visually similar
-IDN tables identifies variants

RFC3743: (specific to CJK)…wherein one conceptual character can be identified with several different Code Points in character sets for computer use…

Terminology choice

- different types of variants - different rules?

- functionality of variants?

- rules for generation of IDN tables?

- dispute mechanism for overlap of desired/un-desired variants?

- dispute mechanism/objection option for inconsistency in IDN Table content?

Proposed Variant Technical Considerations

- Keeping dialogue with technical community

- Specifying to the technical community what functionality we are looking for to enable informed dialogue

- Possible test scenarios:

- DNAME – before testing we need a described functionality

- BNAME – before testing, needs further development

- Review experience with variants dealt with via registration policies and operational management

Variants - Next Steps

- ICANN proposed project plan

- Variant definitions and activities

- For public comments based on this weeks meetings

- ICANN constituencies and working groups

- gTLD, Fast Track, JIG, ALAC, GNSO, ccNSO, IETF DNSEXT…more

- ICANN Board ES WG

Overall Summary

- IDN ccTLD Fast Track Process is working well

- review planned for November 2010

- Applications event participations and gatherings

- domain name industry working with applications layer

- TLD variants management project

- draft or proposed plan for public discussions

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Thank You

Internationalization of the internet means that the internet is equally accessible from all languages and scripts

http://www.icann.org/en/topics/idn/

http://www.icann.org/en/topics/idn/fast-track/

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