IANA activities update AfriNIC 16, Serekunda, GM

Anne-Rachel Inné

Manager, Regional Relations - Africa

Overview

- Making things better

- Continuous improvement

- New service

- Statistics & more

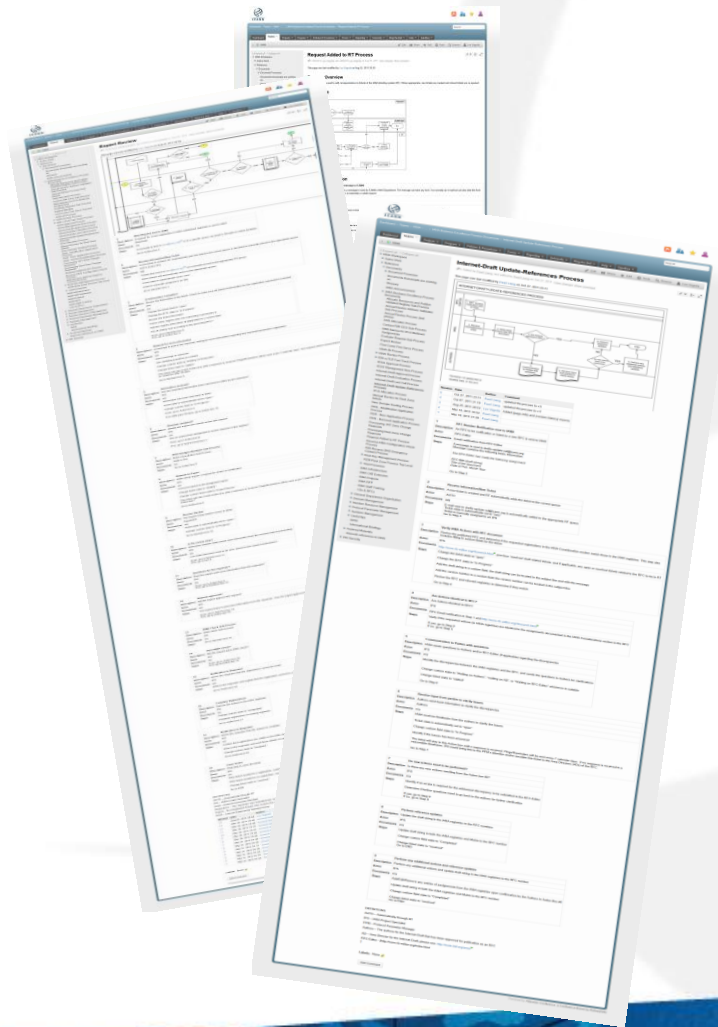One World

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Making things better

Business Excellence

- 3rd annual self-assessment held in January 2012

  – Significant improvements for our customers in processes and key results

  – Next steps: complete that work & improve our planning & execution

Standard process documentation

We have converted over half our core processes to our new standardized format and will be working on more over 2012

Improving our request processes

New IPv4 policy

- ICANN Board ratified the Global Policy for Post Exhaustion IPv4 Allocation Mechanisms by the IANA on 6 May

- Implementation work is under way

Security & continuity

- 4th annual security plan completed in November 2011

- 2nd IANA continuity exercise is planned for 2012, building on the success of 2010

Customer Survey

- We ran a customer survey to gather structured feedback we can use to improve our services
- Results will be published by the end of June

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Reliable Operations

Recent key ceremonies

- Ceremonies 7 & 8 were successfully completed

- Full transcripts & logs are published on the dns.icann.org web site

SysTrust certification renewed

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New Service

Time Zone Database

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Statistics

ccTLD DNSSEC map – Mar 2012

IPv6 web stats (1/3)

ICANN IPv6/IPv4 Yearly Average (WWW)

- ICANN IPv4 Avg
- ICANN IPv6 Avg

ICANN Research

IPv6 web stats (2/3)

IANA IPv6/IPv4 Yearly Average (WWW)

■ IANA IPv4 Avg
■ IANA IPv6 Avg

ICANN
Research

IPv6 web stats (2/3)

IANA IPv6/IPv4 2011 WWW Requests
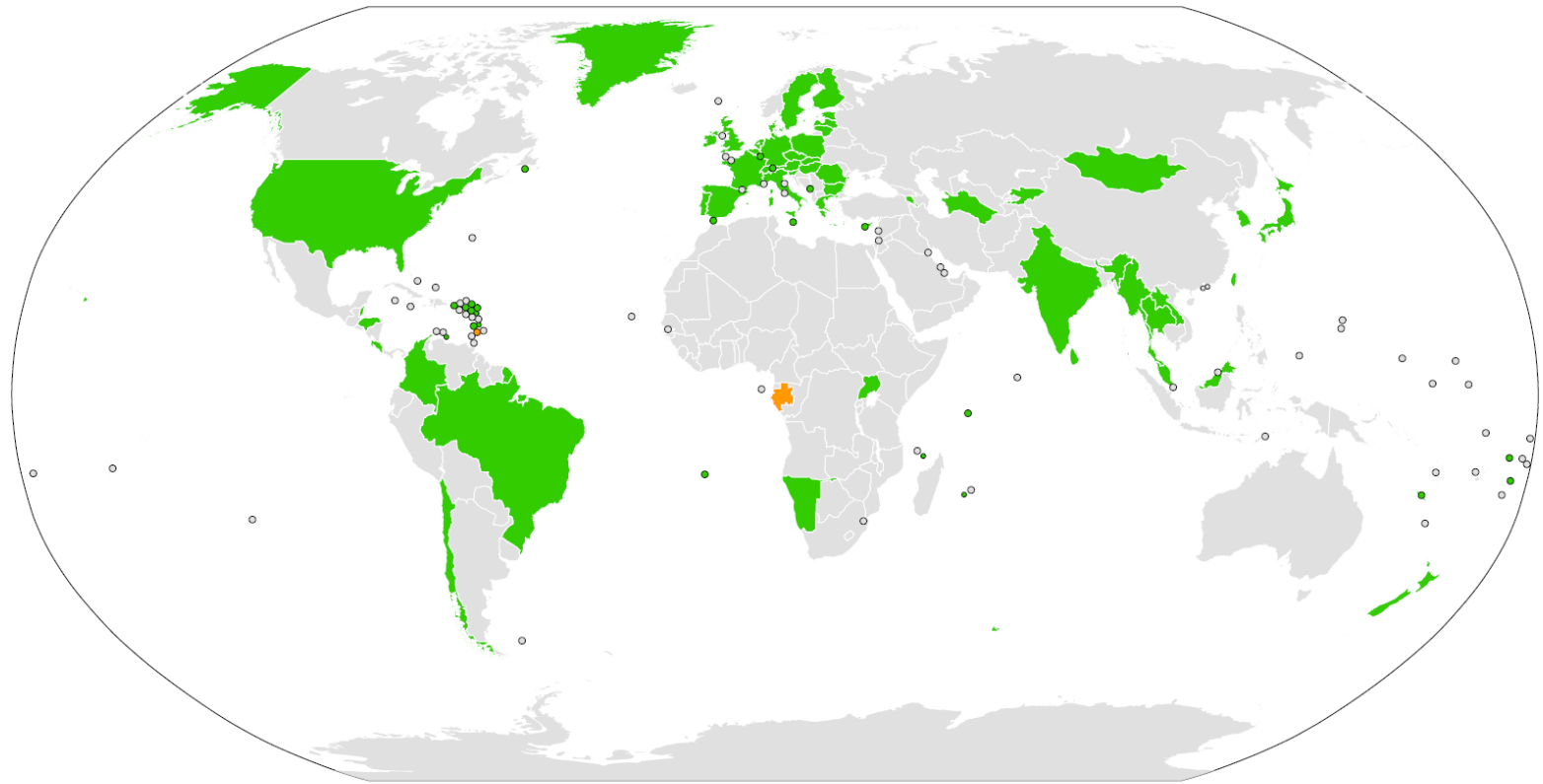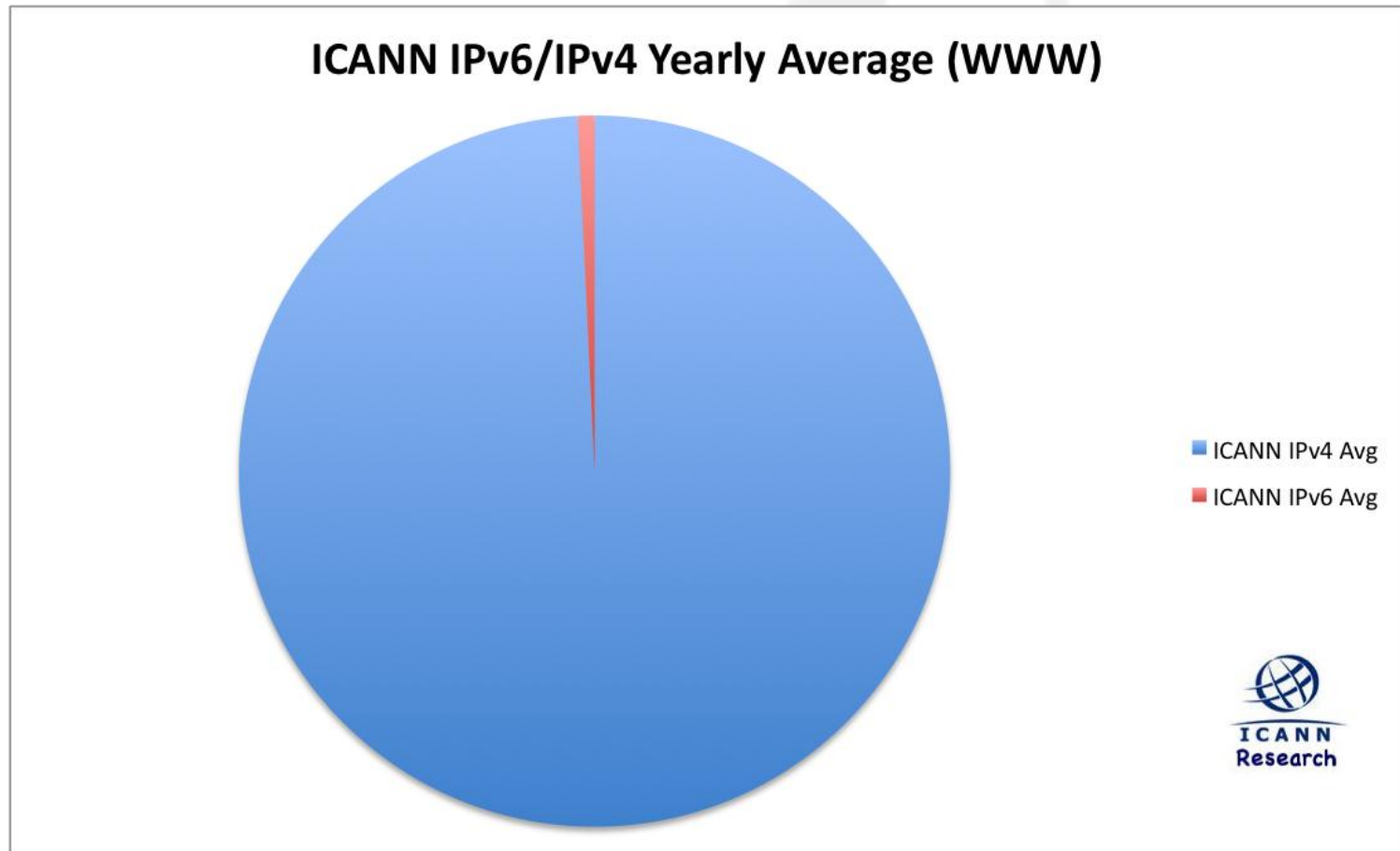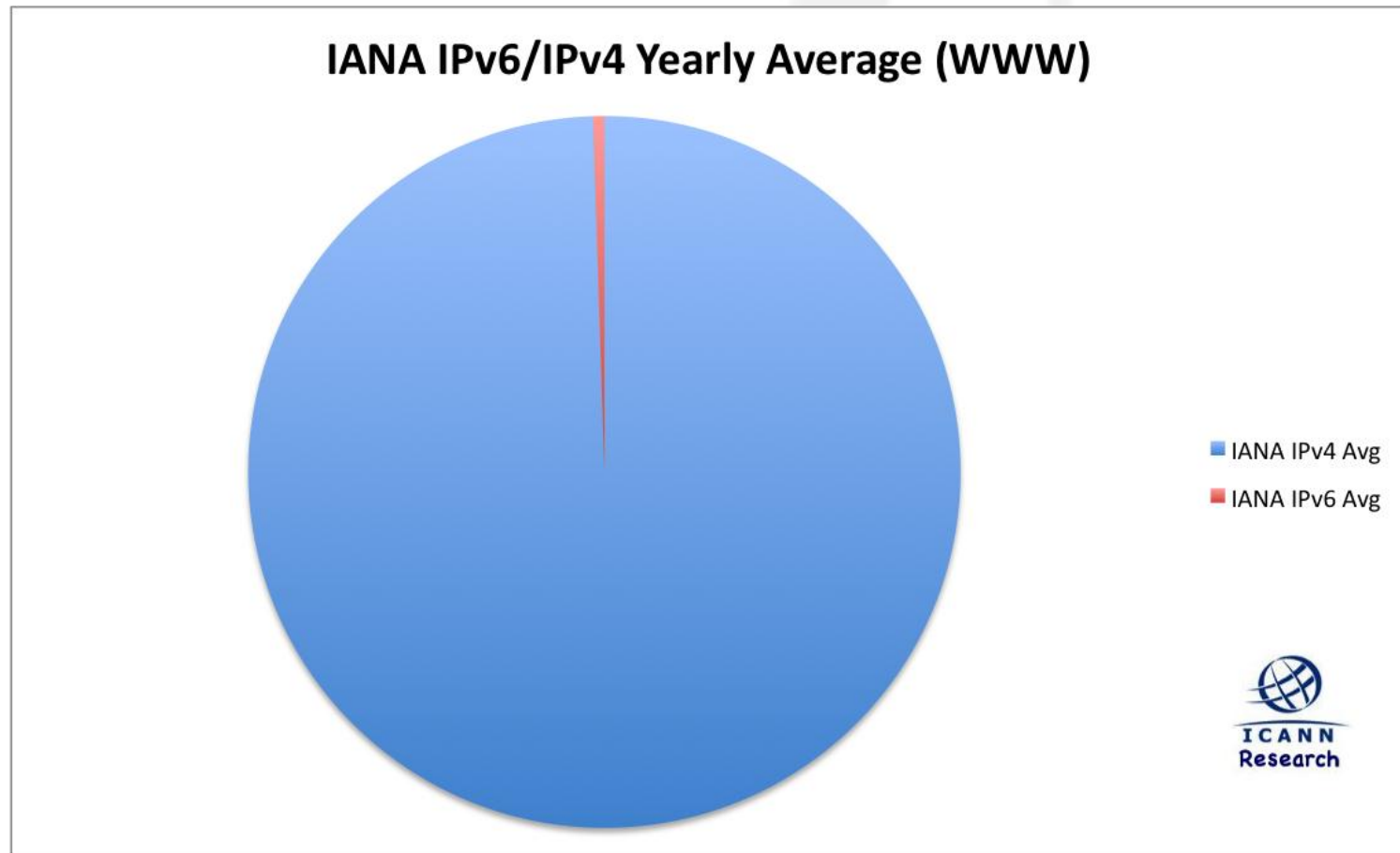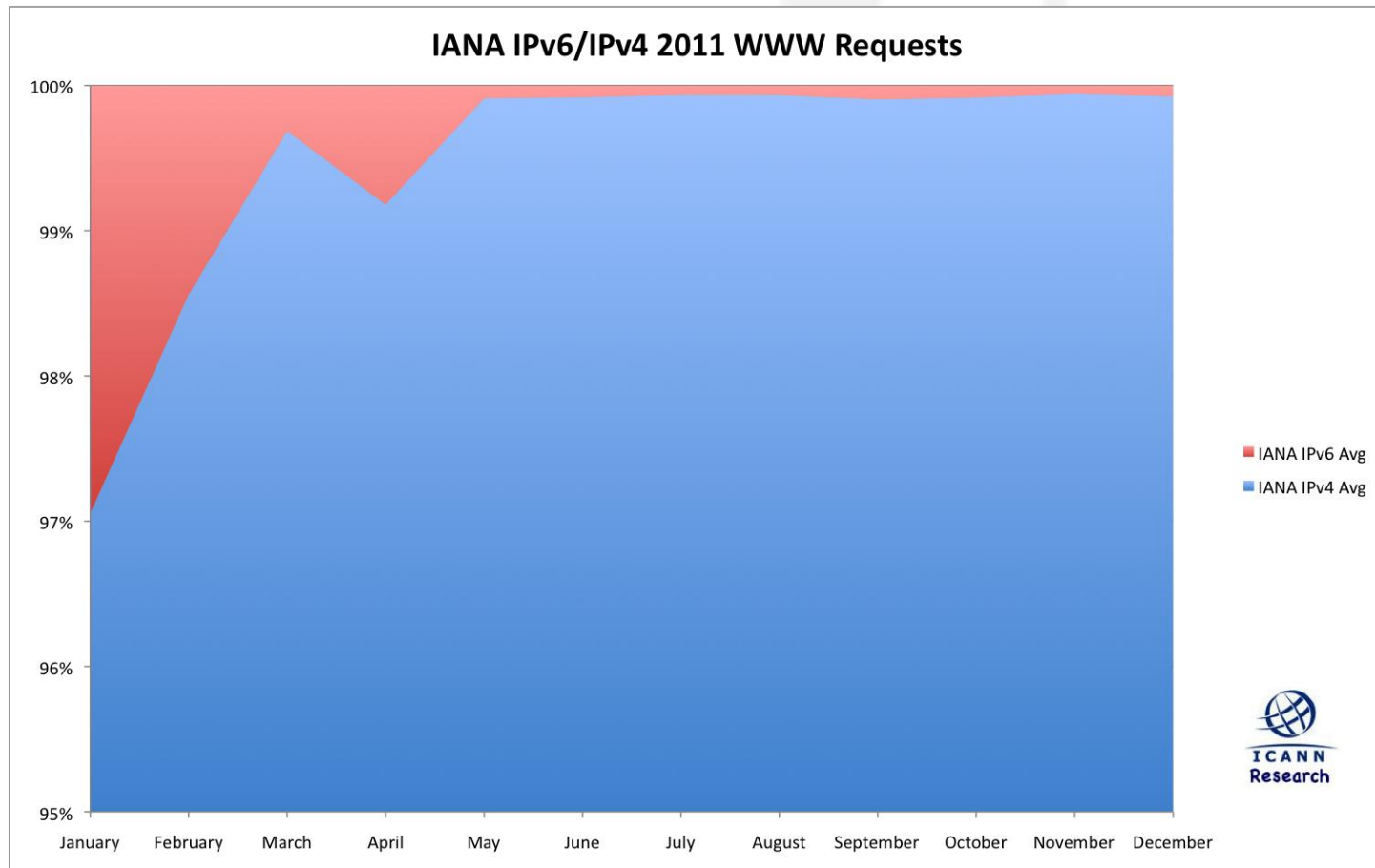
But wait, there's more!

Too much to report here

Check out our research web site for a series of daily reports on the health of Internet resources
http://stats.research.icann.org

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Research

- BGP view
- RIR allocation graphs
- TLD DNSKey Report
- TLD Wildcard Report
- TLD DNSSEC Report
- IN-ADDR.ARPA DNSSEC Report
- IP6.ARPA DNSSEC Report

Mail terry dot manderson at icann dot org to provide feedback

Thank You

Update on new gTLD program and related projects

Anne-Rachel Inné

AfriNIC 16
Serekunda, GM
12-18 May 2012

Agenda

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New gTLD program

IDN variant TLDs

Universal acceptance of all TLDs

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New gTLD program

An initiative that enables the introduction of generic top-level domain names (both ASCII and IDN) into the domain name space.

Already launched

TAS was taken offline on 12 April at 11:30am UTC

What happened

- A technical issue in the system allowed a limited number of users to view a limited number of other users' file names and user names in certain scenarios.
- Daily updates: http://newgtlds.icann.org/en/
- FAQ: http://newgtlds.icann.org/en/applicants/tas/interruption-faqs

Next steps

- Once application window closes ICANN will
  - Check all applications for essential completeness
  - Announce applied for strings and information about applicants

Next steps

- Application comment period (~2-month window)
- Objection period (~7-month window)
- Initial evaluation
  - Applications passing initial evaluation may move directly to delegation
  - Failed applications may request extended evaluation
- In cases of objections, dispute resolutions, or string contention, other processes apply

Applicant support program

- Third-party pro-bono services
  - Connecting those seeking and offering pro-bono services
  - Directory maintained on ICANN website

- Financial assistance
  - ICANN's applicant support fund ($2,000,000)
  - Qualified candidates get reduction on application fee ($185K down to $47K)
  - Independent Support Applicant Review Panel (SARP) to review applicants

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New gTLD program

For more updates:

http://newgtlds.icann.org

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Universal acceptance of TLDs

What is universal acceptance?

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- Making sure software universally accepts all domains (including IDNs)
- Not about policy on what TLDs are "allowed"
- Problem when software checks user input against fixed list of TLDs, TLD character length, and other incomplete or outdated criteria

Examples

http://example.com   12:37 PM

اتصالات.امارات//:http   12:37 PM

جامعة-تبوك.السعودية//:http   12:37 PM

Examples

Permanent Home Address Line 1*: [   ]

Permanent Home Address Line 2: [   ]

City*: [   ]   State*: [CA]

Zip Code*: [   ] - [   ]

aero
biz
com
coop
Note: You must be a U.S. resident   edu   No P.O.
gov
info
SSN*: [ ] - [ ] - [   ]   mil
museum
Date of Birth*: [ ] / [ ] / [   ] (MM/DD/YYYY)   name
net
You must be 18 or older, 19 in Al   org   be cons
pro
Mother's Maiden Name*: [   ]   us

E-mail Address: [   ] @ [   ] . [   ] [▼]

ICANN's activities to date

- Created discussion forum and dedicated webpage
  - http://www.icann.org/en/topics/TLD-acceptance/
- Posted TLD verification tool
  - https://github.com/icann
- Consultations with community
- Technical recommendations

Technical recommendations

- Do you need to check domain validity?
  - If not, don't do it. Rethink why you do it.
- If so, is it an online application?
  - If so, use a DNS query which is instant and up-to-date, don't rely on a fixed list.
- Last case scenario
  - Use a fixed list of TLDs, but make sure it has an update mechanism (e.g. once per day)

Draft outreach materials

Collateral Proposal

Existing Project Pages
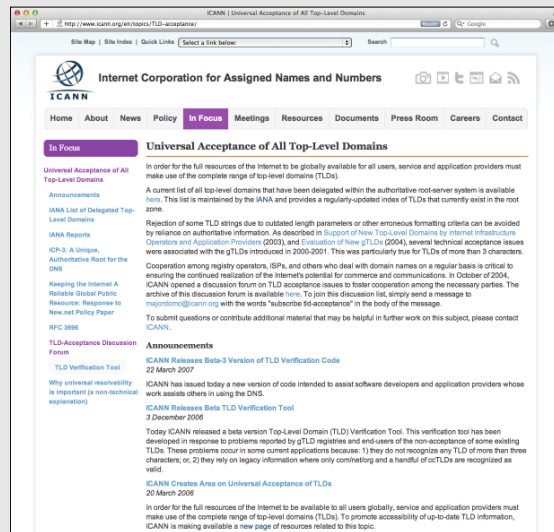
New Dedicated Microsite

New Fact Sheet
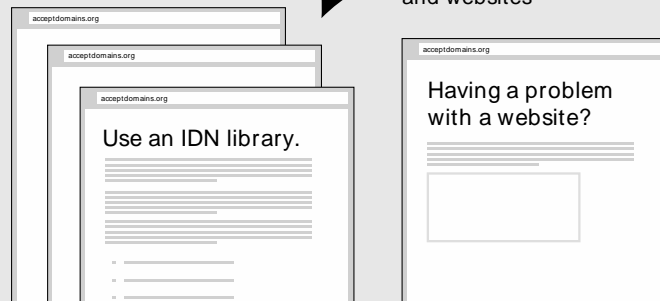
Form for end-users to report broken software and websites

on individual topics

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Universal acceptance of TLDs

Send comments and suggestions to
tld-acceptance@icann.org

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IDN variant issues project

Identifying issues related to the use of IDN variant TLDs and creating glossary of related terms

Variant issues project (VIP)

- Phase I: Script case studies
  - Six teams: Arabic, Chinese, Cyrillic, Devanagari, Greek, Latin
  - Comprised of community experts
  - Case study teams completed reports in October 2011

Variant issues project (VIP)

- Phase II: Integrated issues report
  - Summarizes and synthesizes issues identified by case study teams
  - Identifies areas where further work could be pursued

Integrated issues report: key highlights

- Definition of the term 'variant'
- Range of possible variant cases
- Establishing variant labels
- User experience considerations
- Potential additional work

What is a "variant"?

- No commonly-agreed definition
- Used to refer to a number of different concepts
- Report continues to use the term in a loose sense
- More specific terms are recommended, e.g., "variant" with a qualifier to give more information

Establishing variant labels

- Code point repertoire for the root zone
  - Identify code points that are allowed/disallowed for the zone
- Label generation rules
  - Identify code points that are variants of one another
- A prerequisite for implementing IDN variant TLDs

User experience consideration

Many types of users: system administrators, network operators, registries, registrars, registrants, software developers, law enforcement and security investigators, and end users.

Potential additional work

1. IDN tables format updated
2. Process for IDN table creation and maintenance for the root
3. User experience of active IDN variant TLDs
4. Update new ccTLD and gTLD programs
5. Update ICANN and IANA processes

Next steps

ICANN FY		FY12					FY13												FY14							
Year		CY12					CY12						CY13						CY13					CY14			
Month	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6
ICANN Mtg		43		44				45						46				47			48				49		50

P1 IDN Tables Format

P2.1 Process for IDN Table Creation and Maintenance for the Root

Approval of agreed IDN Table Creation and Maintenance process for the Root

P2.2 → P2.2 Implementation of Root IDN Tables Process

P6 User Experience for active Variants

P7 → P7 Updates to ICANN's gTLD and ccTLD Programs

P8 → P8 Updates to ICANN Operations

Px Planning for next phases

Revised project plan is now open for public comment:
http://www.icann.org/en/news/public-comment/idn-variant-tld-revised-program-plan-04may12-en.htm

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Thanks
Questions?