

IANA Department Update ICANN 43, Costa Rica

13 March 2012

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ICANN



Overview

Automation Update

Continuous improvement

Other Services

Statistics & more



Automation Update



Automation

Cut over to workflow management July 2011

August-September inducted all TLD managers

Minor issues relating to workflow and historical flexibility

Moving forward: refinements, new gTLDs, new features



Continuous Improvement



Business Excellence

3rd annual EFQM self-assessment held in January 2012

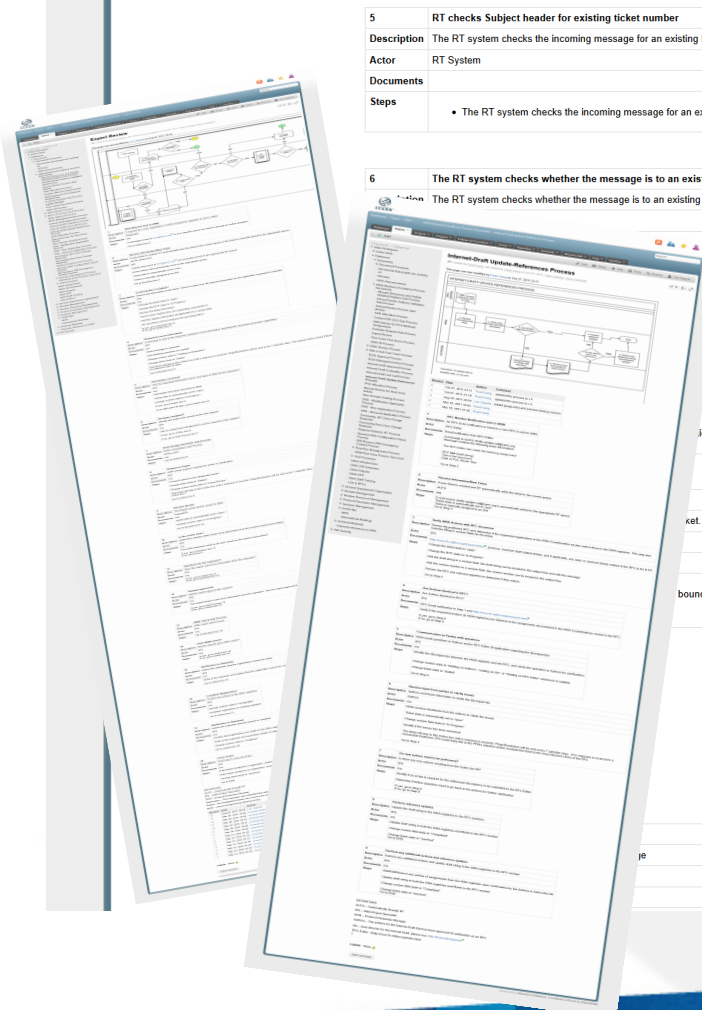
Significant improvements for our customers in processes and key results

Next steps: continue measures for KPIs & identify additional areas for improvement



Standard process documentation

We have converted over half our core processes to a standardized format and will be converting more in 2012



5 RT checks Subject header for existing ticket number

Description	The RT system checks the incoming message for an existing IANA ticket number in the Subject header.
Actor	RT System
Documents	
Steps	<ul style="list-style-type: none">The RT system checks the incoming message for an existing IANA ticket number in the Subject header.

6 The RT system checks whether the message is to an existing ticket

Description	The RT system checks whether the message is to an existing ticket
Actor	
Documents	
Steps	<ul style="list-style-type: none">otherwise proceed to #10on closedSubject header relates to a ticket that has already been closed (marked as Resolved).ticket that has already been closed, proceed to #8, otherwise proceed to #11ket.bound for against a list of queues that allow closed tickets to be reopened. If the queue is on that list



Customer survey

We will be running a customer survey to gather structured feedback we can use to improve our services



Improving our request processes



Internet Assigned Numbers Authority

[Domains](#) [Numbers](#) [Protocols](#) [About IANA](#)

Application for an IPv4 Multicast Address

To apply for an IPv4 Multicast Address, we are looking for a technical description of the proposed use of the multicast address.

The IESG designated expert will review your request. The expert requires enough detail to understand why a globally unique multicast address is necessary. Once you have submitted the completed application form below, your application will be reviewed. We suggest that you read through the entire form before you begin to answer questions.

If your request is approved, the fields marked "public" will be published in the IPv4 multicast address registry found at <http://www.iana.org>

[Domains](#) [Numbers](#) [Protocols](#) [About IANA](#)



Internet Assigned Numbers Authority

Application for an IPv6 Multicast Address

To apply for an IPv6 Multicast Address, we are looking for a technical description of the proposed use of the multicast address.

The IESG designated expert will review your request. The expert requires enough detail to understand why a globally unique multicast address is necessary. Once you have submitted the completed application form below, your application will be reviewed. Further information is provided in [RFC 3307](#) and [RFC 4291](#). Please note that there is less need to assign IPv6 multicast addresses than IPv4 addresses, as every IPv6 unicast range has a multicast address range assigned to it (see [RFC 3306](#) for further information). For many other uses, a MADCAP server can be used to allocate IPv6 multicast addresses according to the principles set forth in RFC 4291.

If your request is approved, the fields marked "public" will be published in the IPv6 multicast address registry.

Your Full Name
Required

Your E-mail
Required

Please read the following questions carefully and provide complete answers.

Local Scope
Required

Can you use a locally scoped address or a MADCAP ([RFC 2730](#)) generated address?
 Yes (Note: you do not require an address from IANA. Use local scope/MADCAP instead.)
 No

If you answered "Yes" and wish to proceed, explain why you need a globally unique address.

Permanence
Required

Do you need a permanently allocated address? (Please see [RFC 3307](#) for further information)
 Yes
 No (Note: you do not require a multicast address from IANA)

...
sses from 239.0.0.0/8, see [BCP 23](#)

...
ly unique address.

...
E.)



Security & continuity

4th annual security plan revised in November 2011

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



Key Ceremonies continue

Ceremonies 7 & 8 were successfully completed

Full transcripts & logs are published on the IANA website



SysTrust certification renewed

Domain Names

- Overview
- Root Zone Management
- .INT Registry
- .ARPA Registry
- IDN Practices Repository
- Root Key Signing Key (DNSSEC)**
 - Overview
 - SysTrust Certification**
 - Special Purpose Domains

DNSSEC SysTrust Certification

ICANN is committed to ensuring the security and stability of the Internet's unique identifier systems. As the DNSSEC Root Zone Key Signing Key (RZ KSK) manager, we are pleased to announce that ICANN's RZ KSK System has [achieved SysTrust certification](#) — an audit by the international accounting firm, PricewaterhouseCoopers, LLP (PwC) to ensure we have appropriate internal controls in place to meet the availability, processing integrity and security objectives for our RZ KSK System.



The Trust Services Principles and Criteria is an international set of principles and criteria developed and managed jointly by the American Institute of Certified Public Accountants (AICPA) and the Canadian Institute of Chartered Accountants (CICA). The SysTrust examination is a rigorous process developed by the AICPA and CICA to provide independent assurance that an organization's systems are reliable. Our SysTrust certification focuses on the following Trust Services principles:

- Availability — the system was available for operation and use, as committed or agreed
- Processing Integrity — the system processing was complete, accurate, timely, and authorized
- Security — the system was protected against unauthorized access

Each principle is supported by well-defined and detailed criteria that encompass a company's infrastructure, software, data, people, and procedures.

ICANN engaged PwC to perform the SysTrust audit, which covered the period of 15 June 2010 through 30 November 2010. PwC evaluated the IT operational practices and controls around the ICANN RZ KSK System and awarded ICANN with an unqualified opinion. ICANN will renew this certification annually.

Other ICANN activities...



Time Zone Database

Protocol Registries

Protocol Registries
Time Zone Database
IANA's Performance
IETF Draft Status

Time Zone Database

The Time Zone Database (often called `tz` or `zoneinfo`) contains code and data that represent the history of local time for many representative locations around the globe. It is updated periodically to reflect changes made by political bodies to time zone boundaries, UTC offsets, and daylight-saving rules.

Latest version

Time Zone Data v. 2011n (Released 2 November 2011) [tzdata2011n.tar.gz](http://www.iana.org/time-zones/tzdata2011n.tar.gz) (205kb)

Time Zone Code v. 2011i (Released 29 August 2011) [tzcode2011i.tar.gz](http://www.iana.org/time-zones/tzcode2011i.tar.gz) (135kb)

Mailing List

Edits to the Time Zone Database are discussed on a dedicated Time Zone mailing list. Contributions on information of revised time zones are welcome to be posted to this list.

- [Subscribe/Unsubscribe from Mailing list](#)
- [Mailing list archive](#)

Distribution

We provide access to the Time Zone Database via three methods:

- HTTP: <http://www.iana.org/time-zones>
- FTP: <ftp://ftp.iana.org/tz/>
- Rsync: <rsync://rsync.iana.org/tz/>

Database Coordinator

As an interim measure, updates to the database will be performed by ICANN as instructed by the [Internet Engineering Steering Group](#) (IESG). Long-term arrangements for management of the Time Zone Database are being finalised in the IETF. See [draft-lear-iana-timezone-database](#) for more information.

IDN Variant Issues Project Phases

IDN Variant Issues Project Phases



IDN Variant Issues Project Info

Community wiki

[https://community.icann.org/
display/VIP/Home](https://community.icann.org/display/VIP/Home)

Public discussion list

vip@icann.org

[https://mm.icann.org/mailman/
listinfo/vip](https://mm.icann.org/mailman/listinfo/vip)



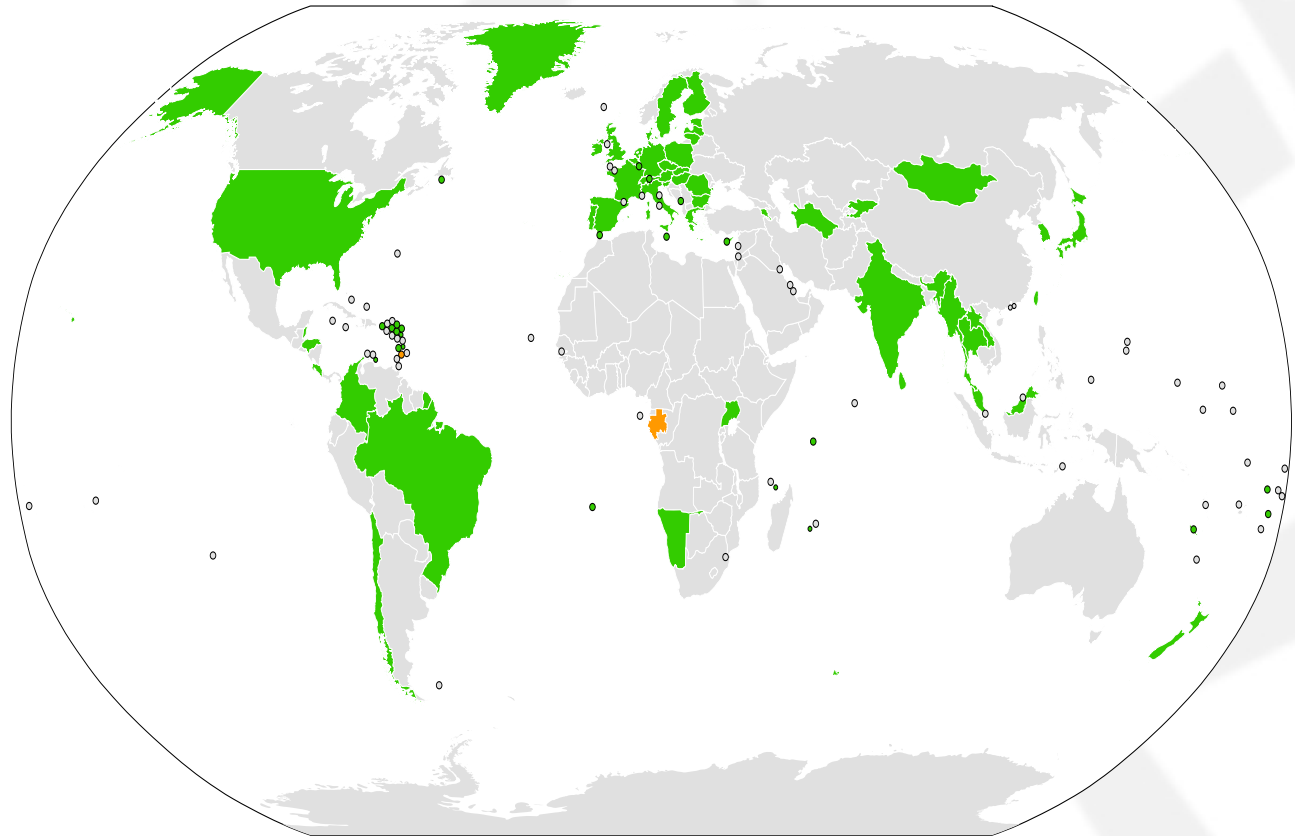
Statistics



ASCII ccTLD DNSSEC adoption

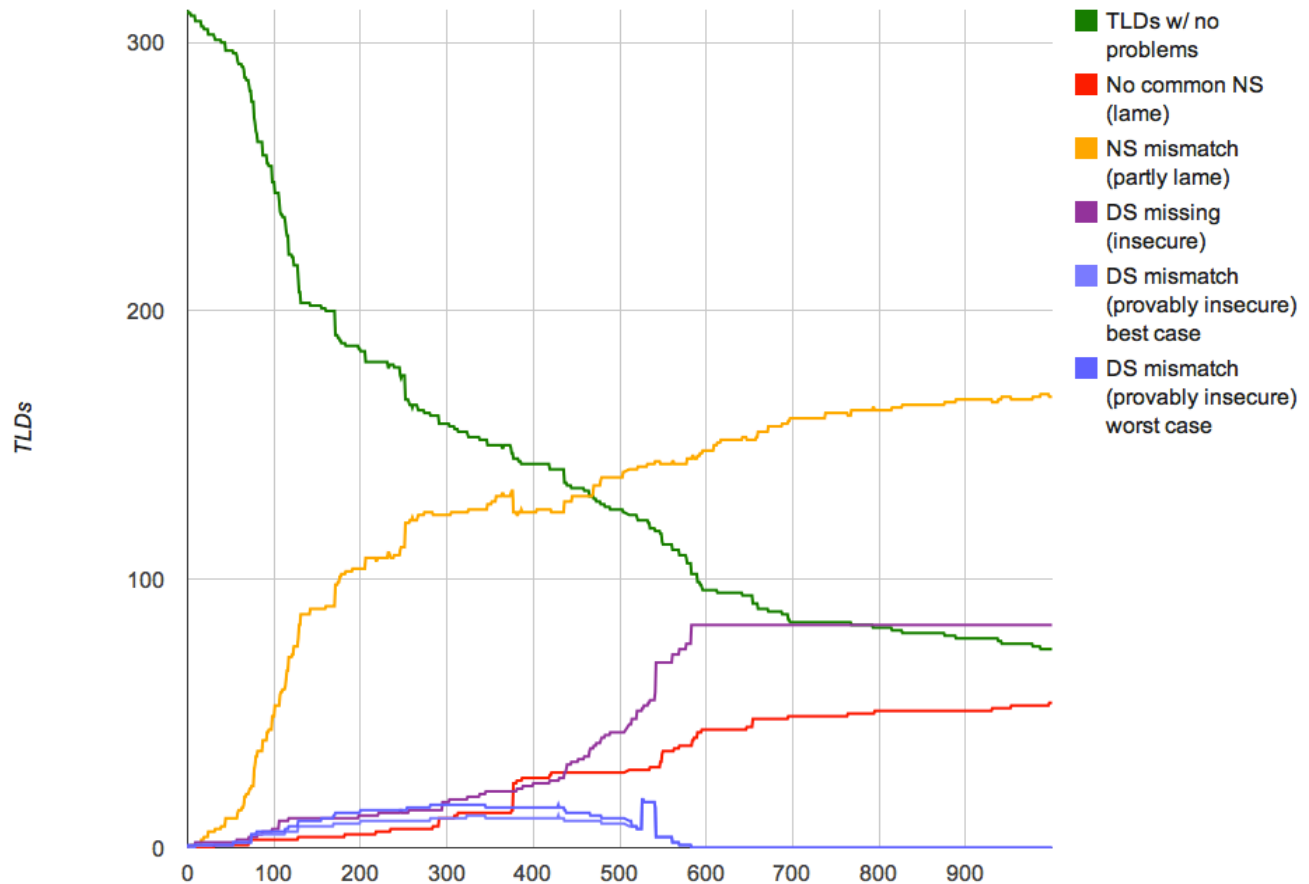
Green = secure delegation from the Root

Orange = signed zone, but no secure delegation



<http://www.icann.org/en/topics/dnssec/deployment.htm>

Root decay impact



TLD Cer

Most recent TLD:



Thank You

