IANA Activities Update
RIPE 68
Warsaw, Poland
May 2014

ICANN

Overview

+ Auditing IANA Functions
+ Performance Reports
+ Delegation of new gTLDs
+ Review of TCRs for root DNS KSK
+ Global Policy Implementation
+ NTIA stewardship transition

Audits of 2013 IANA Functions

- Successfully completed first Systrust security audit of our IANA Registry Management Systems (“SOC2”)
- Complements previous Systrust audits of our DNSSEC key management (“SOC3”)

Performance (1)

Our performance portal gives detailed performance information for IANA activities

Reporting on Performance

IANA seeks to provide an excellent, reliable and performant service of its various registration roles. To achieve this, IANA regularly reviews its procedures and liaises with its user communities to optimise performance.

More formally, the IANA Service Level Targets are defined in part by the contract for IANA performance with the US Department of Commerce, as well as in the Memorandum of Understanding with the IETF.

Report	Description
IETF Statistics Report	Documentation of the performance of the protocol assignments roles performed by ICANN for the IETF community. (Monthly)
Performance Standards Metric Report	A report of performance standard metrics for discrete IANA functions. (Monthly)
Internet Draft Processing Status	Information on pending Internet Draft actions being evaluated by IANA staff. (Daily)
Root Zone Audit Data	A report of all root zone related changes transacted. (Monthly)

Other reporting

IANA contributes regular statistics to the company-wide ICANN Dashboard.

https://www.iana.org/performance

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Performance (2)

Our performance portal gives detailed performance information for IANA activities

Including every change made in the root DNS zone

C.2.9.3 — Allocation of Internet Numbering Resources

Key Performance Indicators

Metric	Target	Actual	Target Met
Accuracy (1) — Policy is correctly implemented.	100%	100%	✓
Accuracy (2) — Registry is updated before notifying requestor of allocation.	100%	100%	✓
Timeliness and Process Quality (1) — For a specific request, ICANN does not need to seek more than two iterations of clarification from the requesting Regional Internet Registry in order to correctly apply the registration policy.	100%	100%	✓
Timeliness and Process Quality (2) — Requests are to be completed within 7 days.	100%	100%	✓
Transparency (1) — Public announcement of an allocation is made on the same day as the allocation being recorded in the IANA registry.	100%	100%	✓
Transparency (2) — An implementation schedule for a new global policies under C.2.9.3 will be posted following ratifications within 14 days for simple policies, and 30 days for complex policies.	100%	100%	✓

Requests Performed

The following requests were completed under Section C.2.9.3 during the reporting period:

Data							Targets met				
Requester	Resource type	Request received	Clarifications	Registry updated	Requester notified	Announcement made	Accuracy (1)	Accuracy (2)	Timeliness and Process Quality (1)	Timeliness and Process Quality (2)	Transparency (1)
RIPE NCC	ASN	2014-02-27	0	2014-02-28 21:27:02	2014-02-28 21:55:11	2014-02-28 22:06:48	✓	✓	✓	✓	✓

Global Policy Implementation

No global policy changes were completed during the reporting period.

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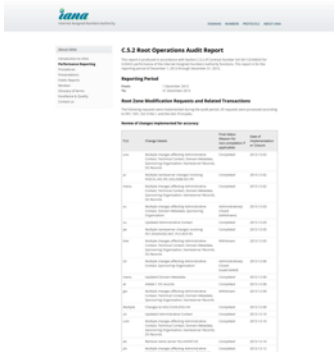
Performance (3)

Our performance portal gives detailed information about changes to the root DNS zone

Including an audit report of every change made in the root DNS zone



TLD	Change Details	Final status (Reason for non-completion if applicable)	Date of Implementation or Closure
uno	Multiple changes affecting Administrative Contact, Technical Contact, Domain Metadata, Sponsoring Organisation, Nameserver Records, DS Records	Completed	2013-12-02
pr	Multiple nameserver changes involving PASCAL.NIC.PR, GOLOMB.NIC.PR	Completed	2013-12-02
menu	Multiple changes affecting Administrative Contact, Technical Contact, Domain Metadata, Sponsoring Organisation, Nameserver Records, DS Records	Completed	2013-12-02

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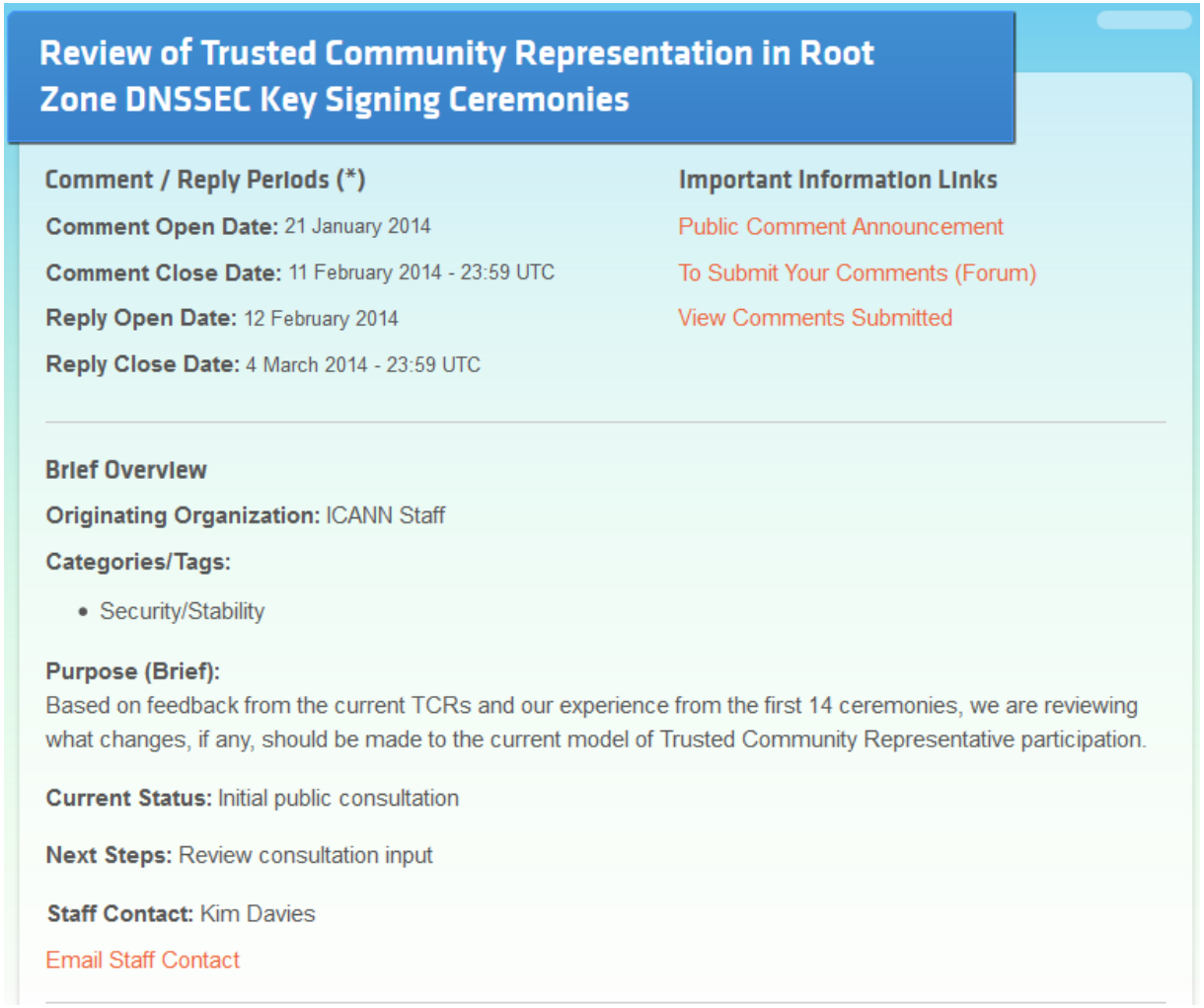
Delegated new gTLDs

- Over 220 new gTLDs delegated since October 2013
- Approximately 10 new gTLDs request delegation each week
- Processing a gTLD delegation request takes about 10 days

Review of Trusted Community Representation in Root Zone DNSSEC Key Signing Ceremonies

TCRs are volunteers who oversee ICANN's management of the root DNS KSK

This consultation asked for input on how well the system works and whether ICANN should be asked to cover their reasonable travel costs



Review of Trusted Community Representation in Root Zone DNSSEC Key Signing Ceremonies

Comment / Reply Periods (*)

Comment Open Date: 21 January 2014

Comment Close Date: 11 February 2014 - 23:59 UTC

Reply Open Date: 12 February 2014

Reply Close Date: 4 March 2014 - 23:59 UTC

Important Information Links

Public Comment Announcement

To Submit Your Comments (Forum)

View Comments Submitted

Brief Overview

Originating Organization: ICANN Staff

Categories/Tags:

- Security/Stability

Purpose (Brief):
Based on feedback from the current TCRs and our experience from the first 14 ceremonies, we are reviewing what changes, if any, should be made to the current model of Trusted Community Representative participation.

Current Status: Initial public consultation

Next Steps: Review consultation input

Staff Contact: Kim Davies

Email Staff Contact

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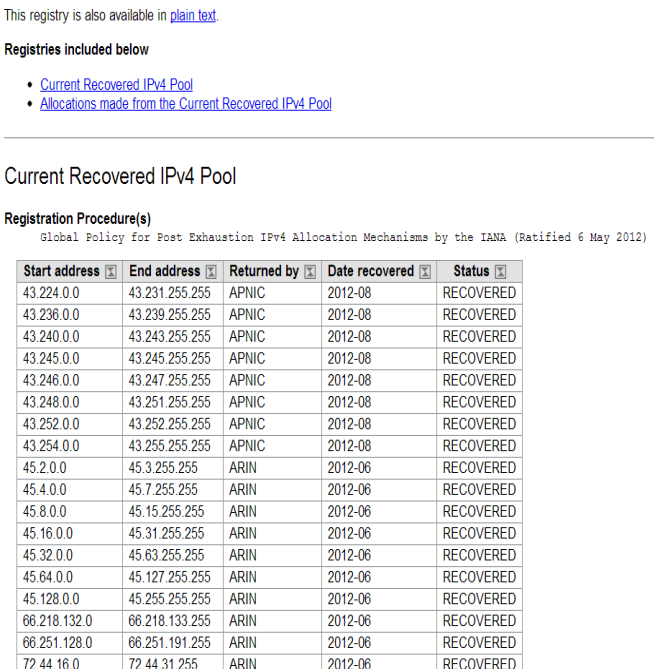
Global Policy Implementation



This registry is also available in plain text.

Registries included below

- Current Recovered IPv4 Pool
- Allocations made from the Current Recovered IPv4 Pool

Current Recovered IPv4 Pool

Registration Procedure(s)

Global Policy for Post Exhaustion IPv4 Allocation Mechanisms by the IANA (Ratified 6 May 2012)

Start address	End address	Returned by	Date recovered	Status
43.224.0.0	43.231.255.255	APNIC	2012-08	RECOVERED
43.236.0.0	43.239.255.255	APNIC	2012-08	RECOVERED
43.240.0.0	43.243.255.255	APNIC	2012-08	RECOVERED
43.245.0.0	43.245.255.255	APNIC	2012-08	RECOVERED
43.246.0.0	43.247.255.255	APNIC	2012-08	RECOVERED
43.248.0.0	43.251.255.255	APNIC	2012-08	RECOVERED
43.252.0.0	43.252.255.255	APNIC	2012-08	RECOVERED
43.254.0.0	43.255.255.255	APNIC	2012-08	RECOVERED
45.2.0.0	45.3.255.255	ARIN	2012-06	RECOVERED
45.4.0.0	45.7.255.255	ARIN	2012-06	RECOVERED
45.8.0.0	45.15.255.255	ARIN	2012-06	RECOVERED
45.16.0.0	45.31.255.255	ARIN	2012-06	RECOVERED
45.32.0.0	45.63.255.255	ARIN	2012-06	RECOVERED
45.64.0.0	45.127.255.255	ARIN	2012-06	RECOVERED
45.128.0.0	45.255.255.255	ARIN	2012-06	RECOVERED
66.218.132.0	66.218.133.255	ARIN	2012-06	RECOVERED
66.251.128.0	66.251.191.255	ARIN	2012-06	RECOVERED
72.44.16.0	72.44.31.255	ARIN	2012-06	RECOVERED

+ IPv4 recovered address space: http://www.iana.org/assignments/ipv4-recovered-address-space/ipv4-recovered-address-space.xhtml

+ The pool will be declared “active” as soon as one of the RIRs notifies us that they have reached their last /9…likely very soon

+ We developed a command line tool to select the addresses for each allocation

+ Test it out here: https://github.com/icann/ipv4-recovery-algorithm

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The U.S. government's announcement

- On 14 March 2014, the U.S. Government (USG) announced its intent to transition its stewardship of the IANA functions to the global multistakeholder community;
- As the first step, it asked ICANN to convene global stakeholders to develop a proposal to transition the current role played by the USG;
- ICANN was asked to serve as a convener based on its role as the IANA functions administrator (since 1998) and the global coordinator for the Internet's Domain Name System (DNS).
- The multistakeholder community has set the policies implemented by ICANN for more than 15 years.

How can you get involved?

- Visit ICANN.org
  - get the latest resources on the topic;
  - participate in the events listed in the timeline;
  - follow us on our social channels.

- Mailing list
  - join to contribute and/or follow the discussion *ianatransition@icann.org*
  - access the public archives *http://mm.icann.org/pipermail/ianatransition/*

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