

# IANA Activities Update, ARIN 31, Bridgetown, BB April 2013

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# IANA Functions Contract

- + Awarded to ICANN in June 2012
- + Began in October 2012
- + 3 year contract
- + 2 possible 2-year extensions

# Completed Consultations



Internet Assigned Numbers Authority

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## IANA Reviews

In performing the IANA functions, ICANN is required to perform a number of public consultations on certain aspects of how these functions are performed. These consultations are spelled out in [IANA Functions Contract SA1301-12-CN-0035](#), and will be conducted between October 2012 and mid-2013.

ICANN welcomes and encourages feedback from all interested and affected parties on these consultations.

<u>Consultation</u>	<u>Status</u>
<a href="#">Root Zone KSK Rollover Process</a> Seeking feedback on how ICANN should perform a rollover (change) to the Key Signing Key used to sign the DNS Root Zone for DNSSEC.	Open until 12 April 2013 <a href="#">Lodge Comment ►</a>
<a href="#">Customer Service Complaint Resolution Process</a> Seeking feedback on how ICANN should resolve customer complaints relating to how the IANA functions have been executed.	Reviewing Comments
<a href="#">Performance Standards for ccTLD Delegation and Redelegation</a> Seeking feedback on developing performance standards for delegation and redelegation of a country-code top-level domain.	Reviewing Comments
<a href="#">Performance Standards for gTLD Delegation and Redelegation</a> Seeking feedback on appropriate performance standards for delegation and redelegation of a generic top-level domain.	Reviewing Comments
<a href="#">Performance Standards for Internet Numbers Resources</a> Seeking feedback on appropriate performance standards for the allocation of Internet Number Resources such as IPv4 and IPv6 allocations, primarily to Regional Internet Registries.	Reviewing Comments
<a href="#">Secure Notification Process</a> Seeking feedback on how ICANN should notify the community relating to service changes, outages, and other important announcements.	Reviewing Comments

# Customer Service Complaint Resolution Process



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## Consultation on the IANA Customer Service Complaint Resolution Process

Comment/Reply Periods (*)		Important Information Links
<b>Comment Open:</b>	27 November 2012	
<b>Comment Close:</b>	18 December 2012	
<b>Close Time (UTC):</b>	23:59 UTC	<a href="#">Public Comment Announcement</a>
<b>Reply Open:</b>	19 December 2012	<a href="#">To Submit Your Comments (Forum)</a>
<b>Reply Close:</b>	9 January 2013 Extended to 28 February 2013	<a href="#">View Comments Submitted</a>
<b>Close Time (UTC):</b>	23:59 UTC	<a href="#">Report of Public Comments</a>
Brief Overview		
<b>Originating Organization:</b>	ICANN	
<b>Categories/Tags:</b>	<ul style="list-style-type: none"> <li>• Top-Level Domains</li> <li>• Internet Protocol Addressing</li> <li>• Transparency/Accountability</li> </ul>	
<b>Purpose (Brief):</b>	A consultation on establishing and implementing a Customer Service Complaint Resolution Process for the 2012 <a href="#">IANA</a> functions contract	
<b>Current Status:</b>	Initial public consultation	
<b>Next Steps:</b>	Review comments received	

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# Customer Service Complaint Resolution Process

- + Should the process developed with the IANA functions users in 2006 be replaced with a new process?
- + 5 comments received
- + Key input includes
  - + Process is available to customers
  - + Raising awareness of the process
  - + Using the process to resolve complaints collaboratively
  - + Reporting on use of the process

# Performance Standards for Internet Number Resources



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## Consultation on Internet Number Resources Performance Standards

Comment/Reply Periods (\*)

<b>Comment Open:</b>	20 November 2012	Important Information Links
<b>Comment Close:</b>	11 December 2012	
<b>Close Time (UTC):</b>	23:59 UTC	<a href="#">Public Comment Announcement</a>
<b>Reply Open:</b>	12 December 2012	<a href="#">To Submit Your Comments (Forum)</a>
<b>Reply Close:</b>	7 January 2013 Extended to 28 February 2013	<a href="#">View Comments Submitted</a>
<b>Close Time (UTC):</b>	23:59 UTC	<a href="#">Report of Public Comments</a>

Brief Overview

<b>Originating Organization:</b>	<a href="#">ICANN</a>	
<b>Categories/Tags:</b>	Internet Protocol Addressing	
<b>Purpose (Brief):</b>	A consultation on developing performance standards for Internet Number Resources management	
<b>Current Status:</b>	Initial public consultation	
<b>Next Steps:</b>	Review comments received	
<b>Staff Contact:</b>	Leo Vegoda	<b>Email:</b> <a href="mailto:leo.vegoda@icann.org">leo.vegoda@icann.org</a>

Detailed Information

**Section I: Description, Explanation, and Purpose**

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The Internet Assigned Numbers Authority (IANA) functions contract (SA 1301-12-CN-0035) between ICANN and the U.S. Department of Commerce, National Telecommunications Information Administration (NTIA).

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# Performance Standards for Internet Number Resources

- + Are there other KPIs that might be good measures of successful performance of the IPv4, IPv6 and AS number allocation services?
- + 3 comments received
- + Key input includes
  - + Clarifying definitions
  - + Introducing a KPI for policy implementation schedules
  - + Publishing performance data in computer-friendly formats as well as human-readable formats

# Secure Notification Process



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## Consultation on IANA Secure Notification Process

Comment/Reply Periods (\*)

**Comment Open:** 12 December 2012 [Important Information Links](#)

**Comment Close:** ~~40 January 2013~~ Extended to 28 February 2013

**Close Time (UTC):** 23:59 UTC [Public Comment Announcement](#)

**Reply Open:** ~~44 January 2013~~ Extended to 1 March 2013 [To Submit Your Comments \(Forum\)](#)

**Reply Close:** ~~34 January 2013~~ Extended to 21 March 2013 [View Comments Submitted](#)

**Close Time (UTC):** 23:59 UTC [Report of Public Comments](#)

Brief Overview

**Originating Organization:** [ICANN](#)

**Categories/Tags:**

- Top-Level Domains
- Internet Protocol Addressing
- Transparency/Accountability
- Security/Stability
- Reviews/Improvements

**Purpose (Brief):**

A consultation on the [IANA](#) Secure Notification Process, as part of the 2012 [IANA](#) Functions Contract. The feedback received during this consultation will help ICANN implement a secure notification system that best meets the needs of the relevant stakeholders.

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# Secure Notification Process

- + Are the methods and mechanisms used today by ICANN satisfactory for secure communications of outages, planned maintenance, and new developments relating to the IANA functions?
- + 2 comments received
- + Key input includes
  - + 1 commercial proposal
  - + A statement of satisfaction with ICANN' s proposals

# Root Zone KSK Rollover



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## Consultation on Root Zone KSK Rollover

### Comment / Reply Periods (\*)

**Comment Open Date:** 8 March 2013

**Comment Close Date:** 12 April 2013 - 23:59 UTC

**Reply Open Date:** 26 April 2013

**Reply Close Date:** 31 May 2013 - 23:59 UTC

### Important Information Links

[Public Comment Announcement](#)

[To Submit Your Comments \(Forum\)](#)

[View Comments Submitted](#)

### Brief Overview

**Originating Organization:** IANA Department

### Categories/Tags:

- Reviews/Improvements
- Security/Stability

### Purpose (Brief):

The Internet Assigned Numbers Authority (IANA) Functions contract (SA1301-12-CN-0035) between ICANN and the United States Department of Commerce, National Telecommunications Information Administration (NTIA) to perform services related to certain interdependent Internet technical management functions calls for a public consultation from all interested and affected parties to help satisfy the following objective:

#### C.2.9.2.f Root Domain Name System Security Extensions (DNSSEC) Key

**Management** –The Contractor shall be responsible for the management of the root zone Key Signing Key (KSK), including generation, publication, and use for signing the Root Keyset. As delineated in the Requirements at Appendix 2 entitled Baseline Requirements for DNSSEC in the Authoritative Root Zone that is incorporated by reference herein as if fully

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set forth. The Contractor shall work collaboratively with NTIA and the Root Zone Maintainer. [Acronym Helper](#) [Help](#)

# Upcoming Consultations

- + Identification of source of policies & procedures
- + Relevant user instructions
- + Dashboards

# Policy Implementation (1)

## IPv4 Recovered Address Space

Last Updated: 2012-04-23

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

Recovery Procedure(s)  
(Initial Policy for Post-Katrina IPv4 Allocation Mechanism by the IANA, modified 4 May 2012)

Start address	End address	Recovery by	Date recovered	Status
43.224.0.0	43.251.255.255	APNIC	2012-08	RECOVERED
43.228.0.0	43.239.255.255	APNIC	2012-08	RECOVERED
43.240.0.0	43.243.255.255	APNIC	2012-08	RECOVERED
43.242.0.0	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
43.2.0.0	43.3.255.255	ARRN	2012-06	RECOVERED
45.4.0.0	45.7.255.255	ARRN	2012-06	RECOVERED
45.8.0.0	45.12.255.255	ARRN	2012-06	RECOVERED
45.16.0.0	45.31.255.255	ARRN	2012-06	RECOVERED
45.32.0.0	45.43.255.255	ARRN	2012-06	RECOVERED
45.84.0.0	45.127.255.255	ARRN	2012-06	RECOVERED
45.128.0.0	45.255.255.255	ARRN	2012-06	RECOVERED
66.218.132.0	66.218.133.255	ARRN	2012-06	RECOVERED
66.251.128.0	66.251.129.255	ARRN	2012-06	RECOVERED
72.44.16.0	72.44.31.255	ARRN	2012-06	RECOVERED
74.87.16.0	74.87.31.255	ARRN	2012-06	RECOVERED
138.201.0.0	138.201.255.255	RIPE NCC	2012-05	RECOVERED
131.198.0.0	131.199.255.255	RIPE NCC	2012-05	RECOVERED
137.59.0.0	137.59.255.255	RIPE NCC	2012-05	RECOVERED
139.0.0.0	139.0.255.255	RIPE NCC	2012-05	RECOVERED
139.24.0.0	139.24.255.255	RIPE NCC	2012-05	RECOVERED
139.28.0.0	139.28.255.255	RIPE NCC	2012-05	RECOVERED
139.44.0.0	139.44.255.255	RIPE NCC	2012-05	RECOVERED

- + Based on input from our consultation on implementing the IPv4 Global Policy
- + A separate Recovered IPv4 Pool registry has been created
- + Software will be developed to select the addresses for each allocation

# Policy Implementation (2)

## IPv4 Recovered Address Space

### Last Updated

2013-04-01

This registry is also available in [plain text](#).

### Registries included below

- [Current Recovered IPv4 Pool](#)
- [Allocations made from the Current Recovered IPv4 Pool](#)

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## Current Recovered IPv4 Pool

### Registration Procedure(s)

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

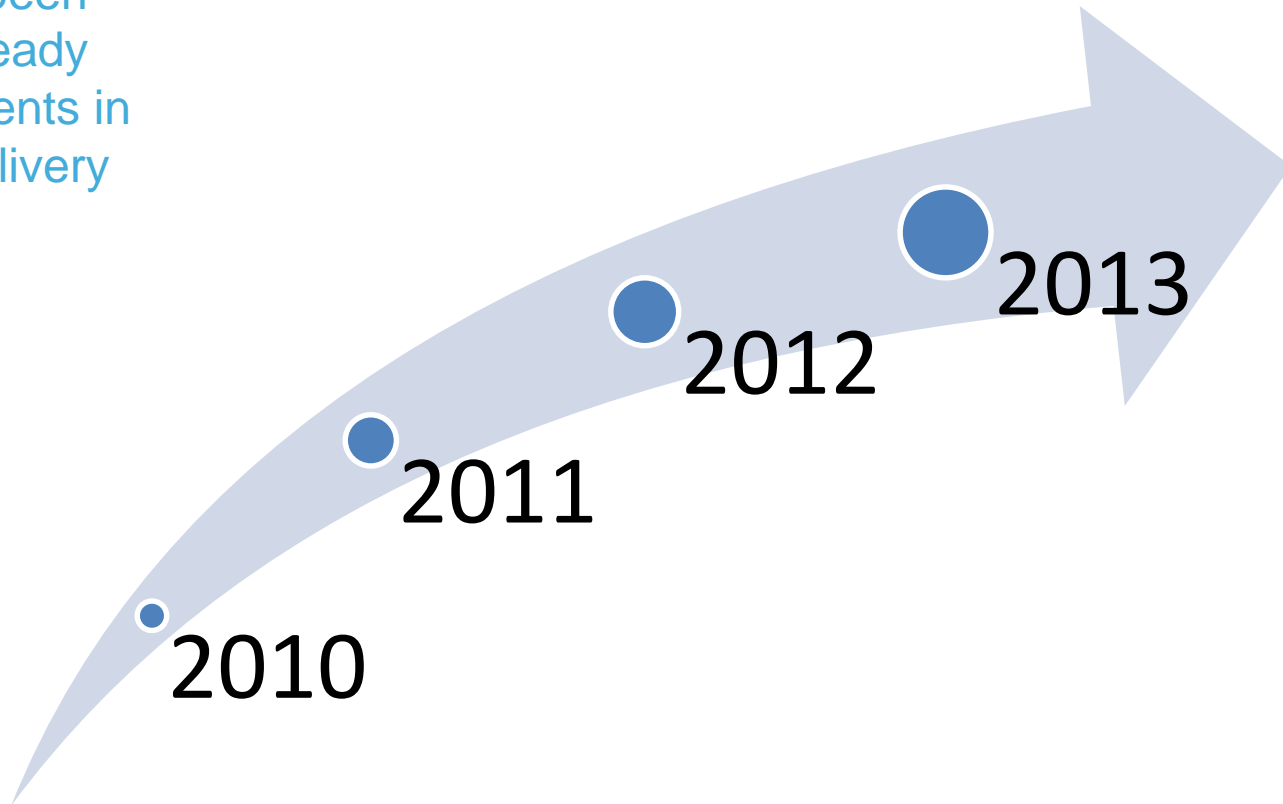
Start address	End address	Returned by	Date recovered	Status
43.224.0.0	43.231.255.255	APNIC	2012-08	RECOVERED
43.236.0.0	43.239.255.255	APNIC	2012-08	RECOVERED
43.240.0.0	43.243.255.255	APNIC	2012-08	RECOVERED
43.245.0.0	43.245.255.255	APNIC	2012-08	RECOVERED
43.246.0.0	43.247.255.255	APNIC	2012-08	RECOVERED
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
74.91.48.0	74.91.63.255	ARIN	2012-06	RECOVERED
128.201.0.0	128.201.255.255	RIPE NCC	2012-05	RECOVERED
131.196.0.0	131.196.255.255	RIPE NCC	2012-05	RECOVERED
137.59.0.0	137.59.255.255	RIPE NCC	2012-05	RECOVERED
139.5.0.0	139.5.255.255	RIPE NCC	2012-05	RECOVERED
139.26.0.0	139.26.255.255	RIPE NCC	2012-05	RECOVERED
139.28.0.0	139.28.255.255	RIPE NCC	2012-05	RECOVERED
144.48.0.0	144.48.255.255	ARIN	2012-06	RECOVERED

# Key Signing Ceremonies – Most Recently on Feb 12, 2013



# EFQM Annual Business Excellence Assessments

We have been making steady improvements in service delivery



# New staff





Thank You &  
Questions?

