IANA Status Update

RIPE NCC Regional Meeting,
Moscow
Elise Gerich
September/October 2010
Overview

• New IANA Whois Server
• IDN ccTLDs
• Root DNSSEC
• AS Numbers Global Policy
• IPv4 Status
• Root Zone Management
• DNSSEC Key Ceremony
• In other news… multicast
A new whois.iana.org

It now provides responses for:
• Unicast IP addresses
• Multicast registrations
• AS Numbers
• DS records
We’ve started delegating ccIDNs

So whois.iana.org also shows the U-label in responses and accepts it in queries
You asked us to sign the root

12 June 2007

RE: RIPE Community Request for ICANN to Sign DNS Root

Dear Dr. Cerf and Dr. Twomey,

At the RIPE 54 meeting in Tallinn the DNS Working Group discussed various options for the creation of a repository for DNSSEC keys. Frustration was expressed at the slow progress towards getting the root zone signed and there was concern that this was leading to adoption of ad-hoc workarounds. The DNS Working Group felt that
So that’s what we did

You can get the root Trust Anchor, along with KSK ceremony materials, statements of practice and other important information from the IANA web site.
AS Numbers Global Policy

The policy allows each RIR to maintain 2 separate pools of AS Numbers until the end of 2010

- The ASO AC sent a proposal (ripe-496) to the ICANN board
- The public comment period ended on 13 August
- The proposal was ratified in September and is now policy
IPv4 Status

• 12 /8s have been allocated so far this year
• 6 have been allocated to APNIC
• ARIN, LACNIC & RIPE NCC have each received 2
IPv4 Status

- 14 unallocated /8s remain
- 9 will be allocated under the global policy that was ratified in 2005
- Then the last 5 blocks will be allocated simultaneously as per the special global policy ratified in 2009
DNSSEC Key Ceremony

- 1st ceremony held on 16 June
- The next DNSSEC key ceremony will be held on 1-2 November in Culpeper, VA, USA
- The KSR for Q1 2011 will be processed
Root Zone Workflow Automation

- Aim to automate as much of the root zone change process as possible
- Roles and responsibilities do not change
- TLD operators get new web based interface to interact with ICANN
Root Zone Workflow Automation

- ICANN will communicate with VeriSign using EPP
- A period of parallel operations ongoing leading to full deployment expected Q1 2011
In other news... multicast

- draft-ietf-mboned-ipv4-uni-based-mcast-06 approved
- Everyone with a /24 of IPv4 unicast space has also has a multicast /32
- 234/8 is used for this algorithmic assignment mechanism
In other news... multicast

- We are introducing an annual review process for multicast address assignments
- We’ll be updating registrant names and contact information as appropriate
Thank you
Questions