



# IANA Status Update

*APNIC 30*

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*August 2010*

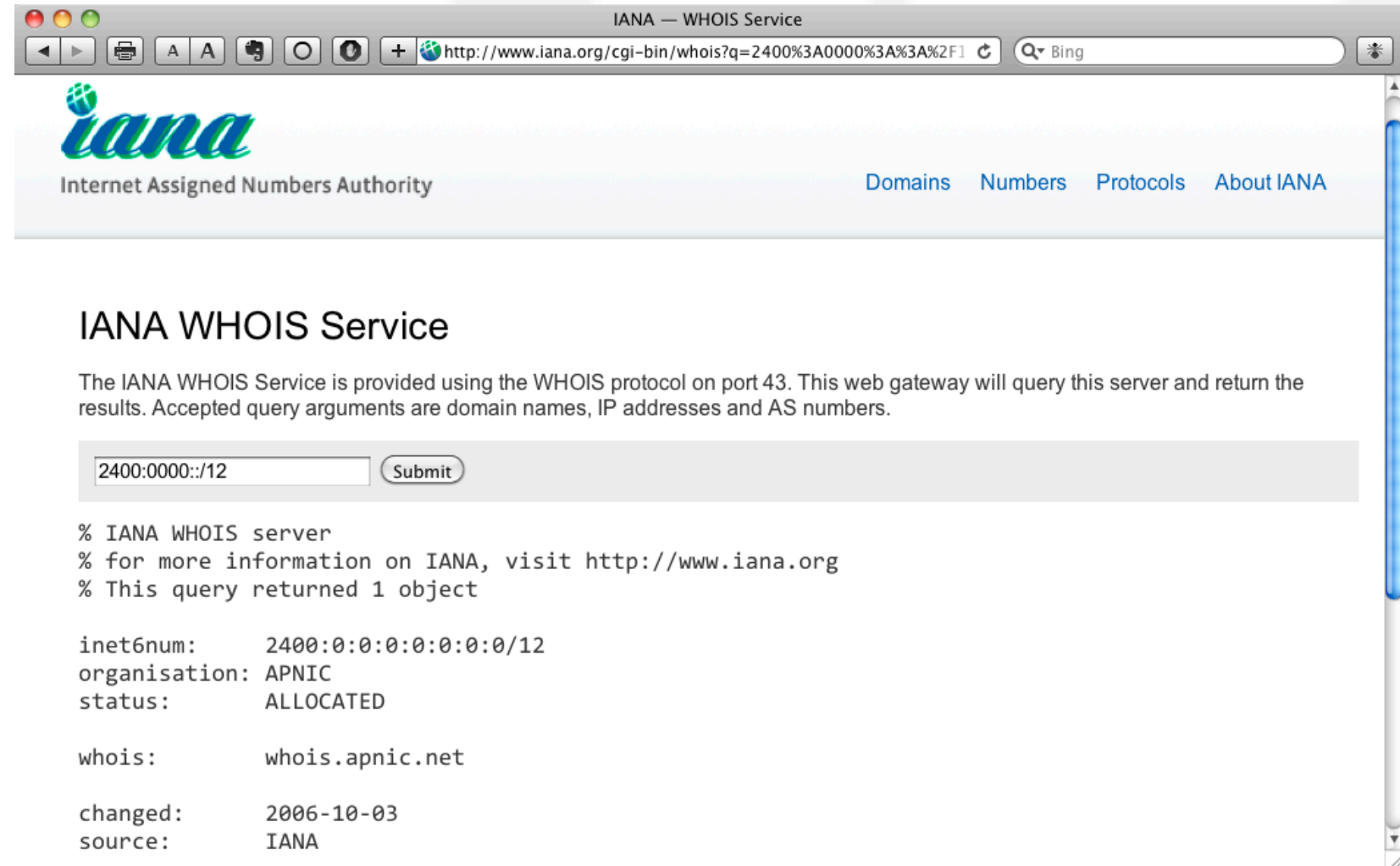
# Overview

- New IANA Whois Server
- IDN ccTLDs
- Root DNSSEC
- AS Numbers Global Policy
- IPv4 Status
- In other news... multicast

# A new whois.iana.org

It now provides responses for:

- Unicast IP addresses
- Multicast registrations
- AS Numbers
- DS records



The screenshot shows a web browser window titled "IANA — WHOIS Service". The address bar contains the URL `http://www.iana.org/cgi-bin/whois?q=2400%3A0000%3A%3A%2F12`. The page features the IANA logo and navigation links for "Domains", "Numbers", "Protocols", and "About IANA". The main content area is titled "IANA WHOIS Service" and includes a text box with the query `2400:0000::/12` and a "Submit" button. Below the form, the WHOIS response is displayed in a monospaced font:

```
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

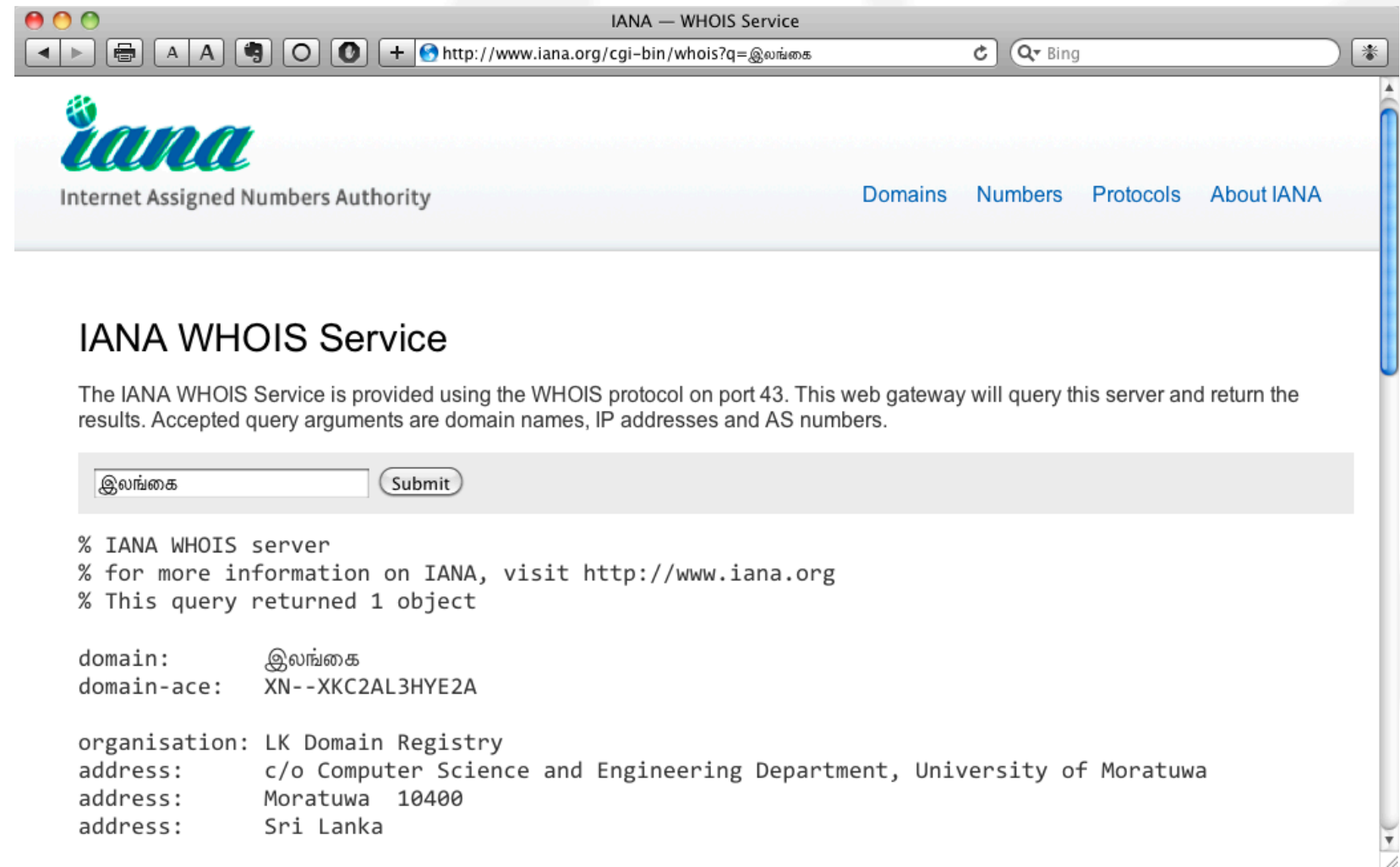
inet6num:      2400:0:0:0:0:0:0:0/12
organisation:  APNIC
status:        ALLOCATED

whois:         whois.apnic.net

changed:       2006-10-03
source:        IANA
```

# We've started delegating ccIDNs

So whois.iana.org also shows the U-label in responses and accepts it in queries



The screenshot shows a web browser window titled "IANA — WHOIS Service". The address bar contains the URL "http://www.iana.org/cgi-bin/whois?q=இலங்கை". The page header features the IANA logo and navigation links for "Domains", "Numbers", "Protocols", and "About IANA". The main content area is titled "IANA WHOIS Service" and includes a brief description of the service. Below this is a search form with the text "இலங்கை" entered and a "Submit" button. The search results are displayed in a monospaced font, showing the WHOIS response for the domain "இலங்கை".

```
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

domain:          இலங்கை
domain-ace:      XN--XKC2AL3HYE2A

organisation:    LK Domain Registry
address:         c/o Computer Science and Engineering Department, University of Moratuwa
address:         Moratuwa 10400
address:         Sri Lanka
```



# You asked us to sign the root



Phone +61 7 3858 3100  
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URL [www.apnic.net](http://www.apnic.net)  
E-mail [info@apnic.net](mailto:info@apnic.net)

ICANN  
Mr. Peter Dengate Thrush,  
Dr. Paul Twomey

28 August 2008

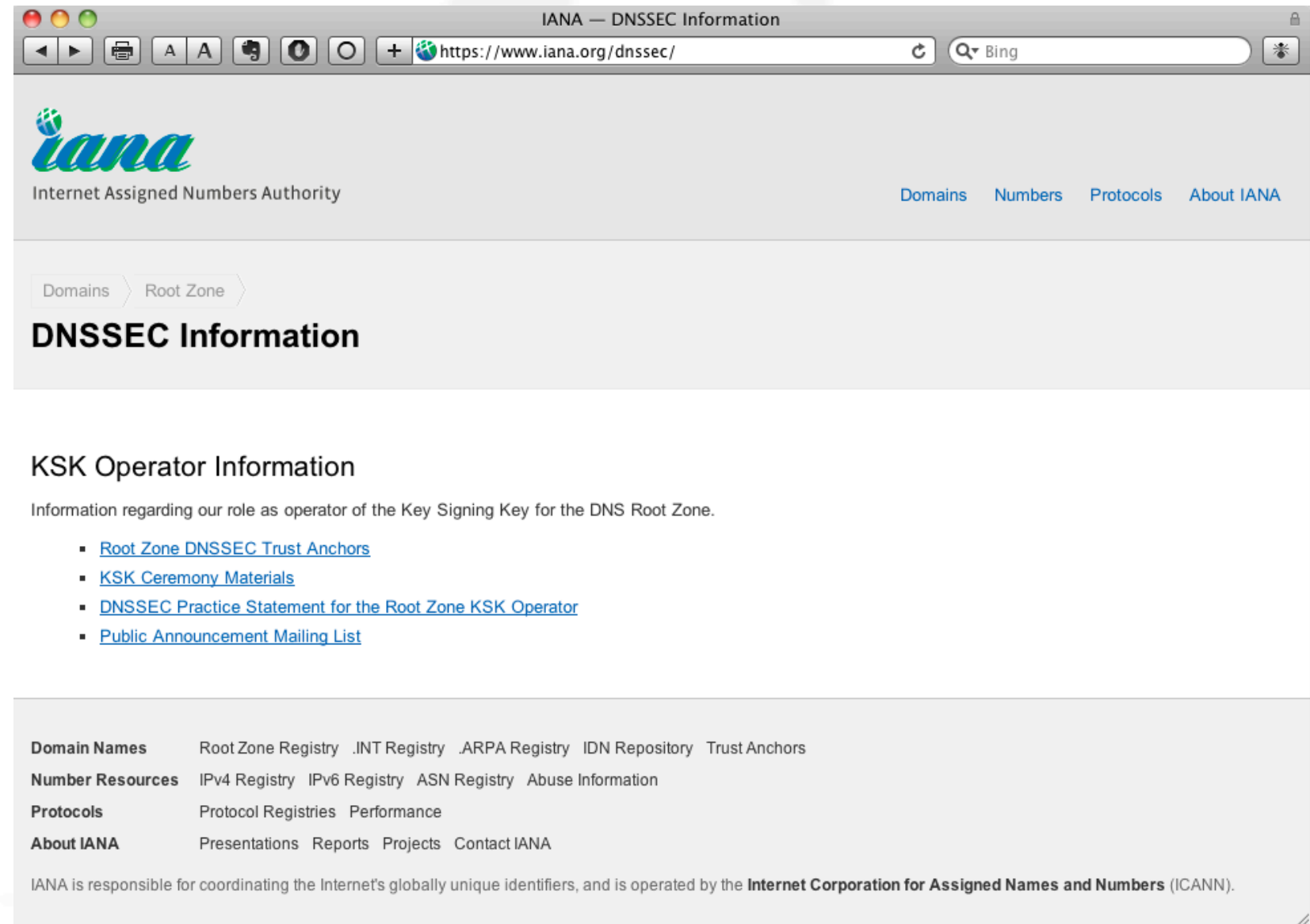
**APNIC Community Request for ICANN to Sign DNS Root**

Dear Mr Dengate Thrush and Dr. Twomey,

At the APNIC 26 meeting in Christchurch the assembled community considered ICANN's initiatives toward operational readiness for DNSSEC signing and the consultation with stakeholders related to preparation to digitally sign the root using DNSSEC technology.

# 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



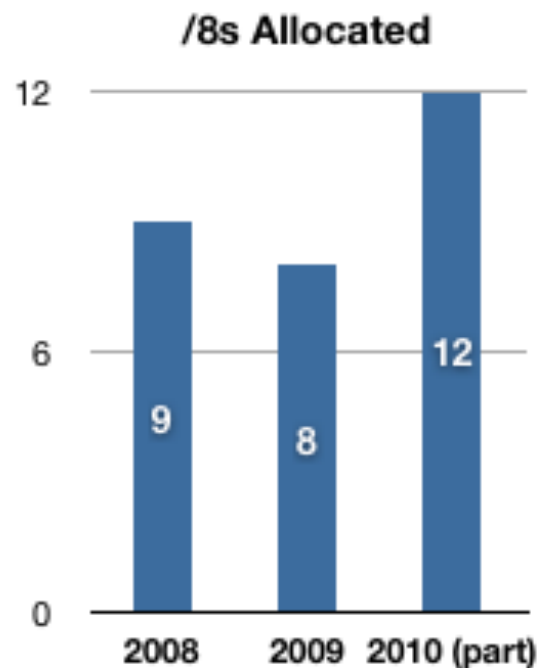
The screenshot shows a web browser window titled "IANA — DNSSEC Information" with the URL "https://www.iana.org/dnssec/". The page features the IANA logo and navigation links for "Domains", "Numbers", "Protocols", and "About IANA". A breadcrumb trail shows "Domains" and "Root Zone". The main heading is "DNSSEC Information". Below this, there is a section for "KSK Operator Information" with a sub-heading "Information regarding our role as operator of the Key Signing Key for the DNS Root Zone." and a list of links: "Root Zone DNSSEC Trust Anchors", "KSK Ceremony Materials", "DNSSEC Practice Statement for the Root Zone KSK Operator", and "Public Announcement Mailing List". At the bottom, there is a navigation menu with categories: "Domain Names" (Root Zone Registry, .INT Registry, .ARPA Registry, IDN Repository, Trust Anchors), "Number Resources" (IPv4 Registry, IPv6 Registry, ASN Registry, Abuse Information), "Protocols" (Protocol Registries, Performance), and "About IANA" (Presentations, Reports, Projects, Contact IANA). A footer note states: "IANA is responsible for coordinating the Internet's globally unique identifiers, and is operated by the Internet Corporation for Assigned Names and Numbers (ICANN)."

# AS Numbers Global Policy

The policy would allow each RIR to maintain 2 pools of AS Numbers until the end of 2010

- The ASO AC sent a proposal (prop-074) to the ICANN board
- The public comment period ended on 13 August
- The board will take its decision by 20 September

# 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

# 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

1st 24 bits of unicast  
address



234

- 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

Registrant name	<input checked="" type="checkbox"/>
Contact name	<input type="checkbox"/>
Address	<input type="checkbox"/>
Still required?	<input type="checkbox"/>



Thank you



One World  
One Internet  
Everyone  
Connected

# Questions