



# ICANN Update

*Save Vocea  
Manager, Regional  
Relations - Australasia/  
Pacific*

*PacNOG 8, Pohnpei  
22 Nov, 2010*

## ICANN Strategic Plan 2010 to 2013 - Four Strategic Focus Areas

*Supporting... One World. One Internet. Everyone Connected.*

	DNS stability and security	Consumer choice, competition and innovation	IANA and core operations	A healthy Internet eco-system
Strategic objectives	<ul style="list-style-type: none"> <li>•100% DNS uptime</li> <li>•Lower DNS abuse</li> <li>•More secure top level domain (TLD) operations</li> <li>•Improved DNS resilience to attacks</li> </ul>	<ul style="list-style-type: none"> <li>•Everyone connected</li> <li>•Increased TLD options in more languages</li> <li>•Lower registration abuse</li> <li>•Increased industry competition</li> <li>•Increase valid registrations</li> </ul>	<ul style="list-style-type: none"> <li>•Flawless Internet Assigned Numbers Authority (IANA) operations</li> <li>•Improved resilience</li> <li>•Enter into a long term IANA functions contract</li> </ul>	<ul style="list-style-type: none"> <li>•One unified, global Internet</li> <li>•All stakeholders have a voice</li> <li>•Improved accountability and transparency</li> <li>•Enhanced trust in ICANN's stewardship</li> </ul>
Community work	<ul style="list-style-type: none"> <li>•Domain name system security extensions (DNSSEC)</li> <li>•Whois/ International Registration Data</li> <li>•Addressing Registration abuse</li> </ul>	<ul style="list-style-type: none"> <li>•IDNs</li> <li>•New gTLDs</li> <li>•IPv4/ IPv6 work</li> <li>•Registrar Accreditation</li> <li>•Registrant Rights Charter</li> </ul>	<ul style="list-style-type: none"> <li>•Monitoring of performance</li> <li>•Root scaling study</li> </ul>	<ul style="list-style-type: none"> <li>•Increasing participation</li> <li>•Contributing to international forums</li> <li>•Review SOs and ACs</li> </ul>
Strategic projects	<ul style="list-style-type: none"> <li>•DNSSEC implementation</li> <li>•Establish DNS CERT</li> <li>•Contingency planning &amp; exercises</li> <li>•IPv4 and IPv6 adoption</li> </ul>	<ul style="list-style-type: none"> <li>•Implement Internationalized Domain Names (IDNs)</li> <li>•Implement new TLDs</li> <li>•IPv4 monitoring/IPv6 leadership</li> <li>•Improve policy processes</li> </ul>	<ul style="list-style-type: none"> <li>•IANA infrastructure upgrade</li> <li>•Monitor Root scaling</li> <li>•Strengthen International operations and presences</li> <li>•Strengthen SO and AC Support</li> </ul>	<ul style="list-style-type: none"> <li>•Implement Community Reviews, including the Affirmation of Commitment reviews</li> <li>•Efforts to meet commitments</li> <li>•Implement impact reporting</li> <li>•Participate in Internet governance dialogues including Internet Governance Forum (IGF)</li> </ul>
Staff work	<ul style="list-style-type: none"> <li>•Contingency planning</li> <li>•Training for ccTLDs</li> <li>•Collaborative response</li> <li>•ccTLD and risk management education in developing countries</li> </ul>	<ul style="list-style-type: none"> <li>•Compliance</li> <li>•Supporting Organization (SO) and Advisory Committee (AC) support</li> </ul>	<ul style="list-style-type: none"> <li>•IANA</li> <li>•Board support</li> <li>•Financial operations</li> <li>•Security &amp; contingency ops</li> <li>•L Root operations</li> </ul>	<ul style="list-style-type: none"> <li>•Thought leadership</li> <li>•International forum participation</li> <li>•Build capacity &amp; strengthen partnerships across eco-system</li> <li>•Strengthen regional engagement</li> </ul>

Multi-stakeholder – Collaborative – International – Transparent – Accountable

# Security, Stability and Resiliency

- DNS-CERT

“The requirements for a DNS-CERT must be analyzed in light of deeper understanding of the threats and risks to the DNS, and such analysis should precede specific proposals for a DNS-CERT.”

# Going Beyond DNS-CERT

- What's Next?

- Staff supporting community-led discussion in Joint Security & Stability Analysis Working Group;
- Birds-of-a-feather discussion on needs for collaborative capabilities for DNS incident handling;
- Risk Assessment with experts

# Upcoming Activities

- Community consultations at ICANN meeting in Cartagena on SSR; Joint Security & Stability Analysis Working Group
- Affirmation Review on SSR
- Participation in International cyber exercises
- High Security Zone Verification Program (HSTLD)
- Collaboration with root operators on root scaling, IPv6 introduction, IPv4 run out
- IDN variants and IDN table activities
- DNS Operations and L-root contingency exercise

# DNSSEC

- Result of two decades of cooperative effort in the technical community
- Root was signed on 15-Jul 2010
- Already 3 KSK ceremonies in Jun, Jul, Nov 2010
- For more details and updates :  
<http://www.root-dnssec.org/>
- Seen by many Internet experts as biggest change in Internet in 20+ years
- To date, >40 TLDs are signed
  - [http://stats.research.icann.org/dns/tld\\_report/](http://stats.research.icann.org/dns/tld_report/)



# Key Ceremony



TLD operators can submit DS records to the IANA for inclusion in the root zone

<http://www.iana.org/procedures/root-dnssec-records.html>

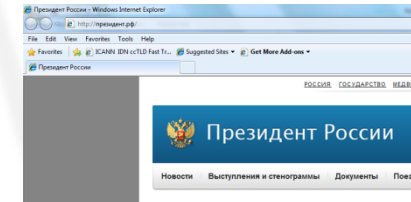
# Internationalized Domain Names

- Fast Track Process launched on 16 November 2009
- IANA received 33 requests representing 22 different languages
  - 15 IDN stings live in the root
    - Egypt, Russia, Saudi Arabia, UAE (May 2010)
    - China, Hong Kong, Taiwan (June 2010)
    - Jordan, Palestine, Sri Lanka, Thailand, Tunisia, (August 2010)
  - 11 stings passed string evaluation
    - Qatar, Singapore, Syria, India, Republic of Korea, Iran, Oman
- Fast Track process updates at:  
<http://www.icann.org/en/topics/idn/fast-track/string-evaluation-completion-en.htm>



# IDN strings live in the root

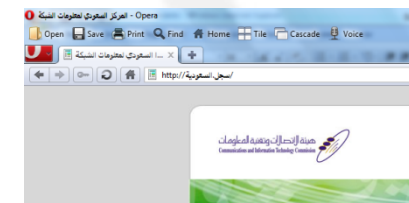
China	中国 and 中國
Egypt	مصر
Hong Kong	香港
Jordan	الأردن
Palestine	فلسطين
Russia	рф
Saudi Arabia	السعودية
Sri Lanka	ශ්‍රී ලංකාව and இலங்கை
Taiwan	台灣 and 台湾
Thailand	ไทย
Tunisia	تونس
UAE	امارات



<http://президент.рф/>



<http://www.abdullah.gov.jo/>



<http://السجل.السعودية/>



<http://www.امارات.اے.یو.اے/>

# New generic Top Level Domains

- Proposed Final Applicant Guidebook now posted on ICANN website

<http://www.icann.org/en/topics/new-gtlds/draft-rfp-clean-12nov10-en.pdf>

- Available for public comment for possible adoption to enable completion of the implementation work on the program

# IANA Update



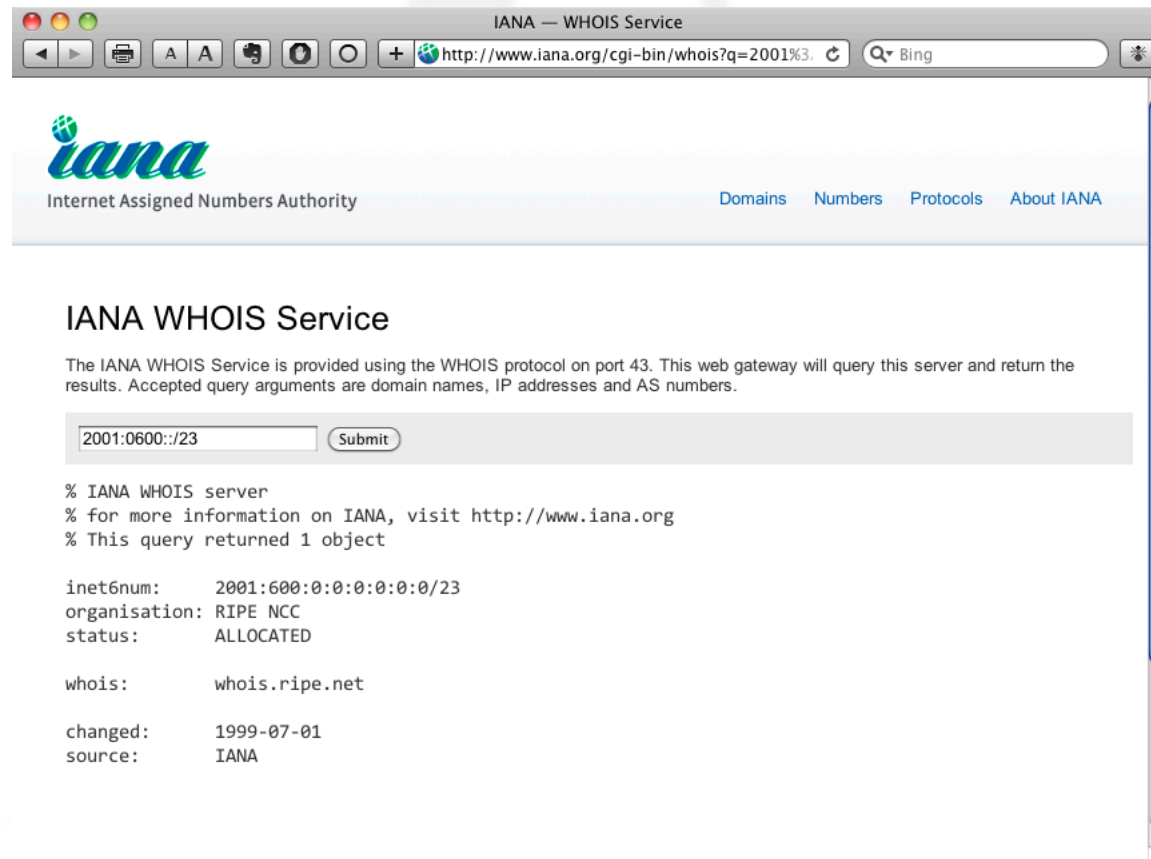
Internet Assigned Numbers Authority

- New IANA Whois Server
- IDN ccTLDs
- Root DNSSEC
- AS Numbers Global Policy
- IPv4 Status
- Root Zone Management
- DNSSEC Key Ceremony

# A new whois.iana.org

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=2001%3". The page features the IANA logo and navigation links for "Domains", "Numbers", "Protocols", and "About IANA". The main heading is "IANA WHOIS Service", followed by a description: "The IANA WHOIS Service is provided using the WHOIS protocol on port 43. This web gateway will query this server and return the results. Accepted query arguments are domain names, IP addresses and AS numbers." Below this is a search form with the input "2001:0600::/23" and a "Submit" button. The results are displayed in a monospaced font:

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

inet6num:      2001:600:0:0:0:0:0:0/23
organisation:  RIPE NCC
status:        ALLOCATED

whois:         whois.ripe.net

changed:       1999-07-01
source:        IANA
```

# IPv4 Status

- 11 unallocated /8s remain
- 6 will be allocated under the global policy that was ratified in 2005
- Last 5 blocks will be allocated simultaneously to each RIR as per the special global policy ratified in 2009

# Affirmation of Commitments

- Accountability and Transparency Review Team (ATRT) - Four working groups established
  - WG-1: Board performance, including governance selection, composition, accessibility, decision-making, and dispute resolution/complaint handling
  - WG-2: GAC role, including interactions with Board and community, GAC's role in ICANN's decision-making processes, GAC input and ICANN's responsiveness to that input
  - WG-3: Community engagement, level and quality of public input and how such input is reflected in ICANN decision-making, quality of PDP output and the extent to which the ICANN PDP develops consensus
  - WG-4: Independent review of Board decisions



# Affirmation of Commitments

- More details on the ATRT work:  
<http://www.icann.org/en/reviews/affirmation/activities-1-en.htm>
- Members of other Review Teams selected
  - Security, Stability, and Resiliency of the DNS Review Team:  
<http://www.icann.org/en/reviews/affirmation/composition-2-en.htm>
  - WHOIS Policy Review Team:  
<http://www.icann.org/en/reviews/affirmation/composition-4-en.htm>

# ICANN Global Engagement

- Participated in Internet Governance Forums - latest in Vilnius
- Supported and participated in a number of national and regional IGFs
- Follow closely the process of renewing the mandate of the IGF
  - Decision by Member States at the General Assembly

# ICANN Global Engagement

- Cooperation agreement signed with UNESCO to support the implementation of IDN ccTLDs
  - Letter of intent (LOI) signed recently for UNESCO to provide assistance for its Member States on Cyrillic IDNs
- Continued coordination with Internet community on many fora

# Fellowship Program

- Celebrated its 3<sup>rd</sup> year at ICANN's 38<sup>th</sup> meeting in Brussels last June
- Brought new faces to ICANN
  - 13 Alumni have gone through the NomCom process
  - 8 have been members of the GAC
  - 10 are part of SO and AC working groups or committees, and 2 are serving as vice-chairs within those constituencies
- 27 have been selected for ICANN's next meeting in Cartagena
- Application round for ICANN's 40<sup>th</sup> meeting in San Francisco 13-18 Mar 2011 now closed

# Other ways to get involved

Participation in ICANN is open to all who have an interest in ICANN's mission

- Apply for an ICANN fellowship
  - <http://www.icann.org/en/fellowships/>
- Apply for an ICANN leadership position
  - <http://nomcom.icann.org/>
- Attend the next ICANN meeting in Cartagena
  - <http://cartagena39.icann.org/>

# Next ICANN Meeting

- ICANN's 39<sup>th</sup> meeting in Cartagena, Colombia on 5-10 Dec 2010
- Registration, schedule and other information is available at: <http://cartagena39.icann.org/>
- Remote participation: <http://meetings.icann.org/remote-participation>





Questions?