IANA Update

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ARIN XXIV / Gorgeous Dearborn, MI

Overview

- IANA pools' status
- Special addresses
- Throwing some back
- Mechanism for selecting which /8s to allocate to RIRs
- Introduction of reverse DNS self-management system
- IDN ccTLDs
- IANA Business Excellence

IANA Free Pool Status

26

Unicast
IPv4 /8s

8

16-bit ASN
blocks

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Special Addresses

- Thanks to APNIC for providing 2 new /24s for use as documentation prefixes
  - 198.51.100.0/24
  - 203.0.113.0/24
- Details in draft-iana-ipv4-examples, which is in the RFC Editor queue

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Throwing some back

- We reclaimed 14.0.0.0/8 with the X.25 operator community in 2007
- We have been working with ARIN & the IESG on returning smaller blocks this year:
  - 128.66.0.0/16
  - 192.128.0.0/17
  - 192.0.48.0/20
  - 192.0.64.0/18
  - parts of 192.0.0.0/19

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Mechanism for selecting which /8s to allocate to RIRs

- Remaining /8s split into 2 pools based on Duane Wessels 2008 research
- RIRs get 1 /8 from each pool, when justified
- Selection mechanism is random & based on RFC 2777
- 2 less used /8s set aside for each of AfriNIC & LACNIC
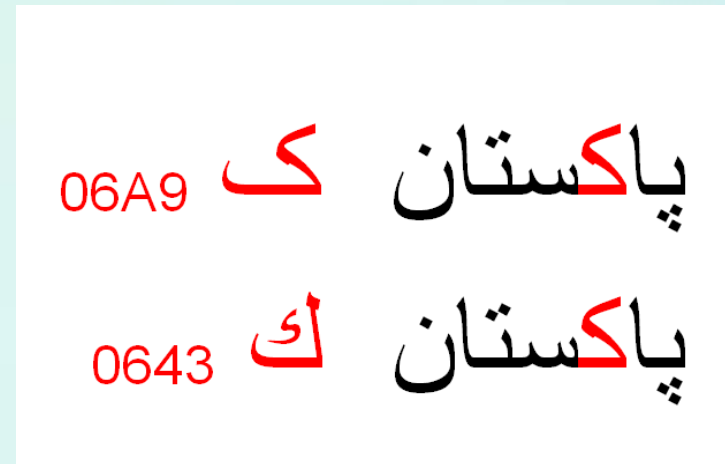
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Introduction of reverse DNS self-management system

- Beta testing complete
- Deployment being scheduled
- Security is based on HTTPS transport & X.509 PKI
- Allows in-addr.arpa & ip6.arpa to be DNSSEC signed
- Allows RIRs to manage their delegations in real time

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IDN ccTLD Fast Track Launch

- Launch proposed for 16 November

- Requests go through the fast track evaluation and then the regular IANA delegation process

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- Expect 50-60 requests for TLDs representing 15-20 languages

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IANA Business Excellence

- ICANN 2009-2011 Strategic Plan includes "Strive for excellence in core operations" as a priority
  - http://www.icann.org/en/strategic-plan/strategic-plan-2009-2012-09feb09-en.pdf

- Introducing a Business Excellence work program to make sure there is systematic, sustainable framework for improvement

Timeline

16 Dec 2009	13 Jan 2010	Jan - Mar 2010
IANA BE document completed	Self-assessment based on IANA BE document	Identify Strategic Initiatives & begin projects

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2009 Communication Plan
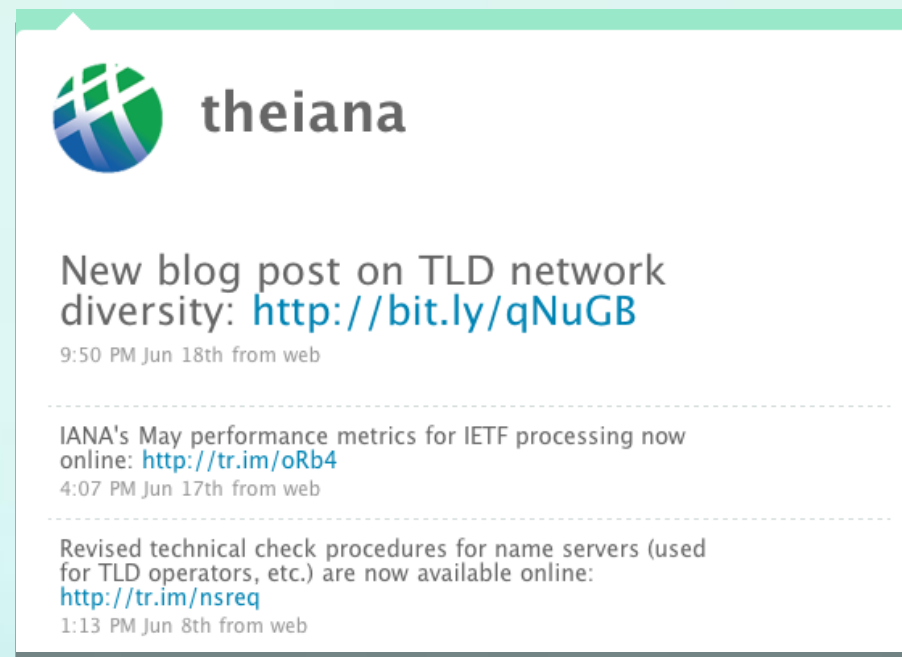

- Continuing communication as work proceeds

More ways to keep up with us

- Significant IANA news is now posted to Twitter
- http://www.twitter.com/theiana

Thank you