



ARIN Update

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2010 Focus

- Continue development and integration of web-based system (ARIN Online)
- Outreach on IPv4 depletion and IPv6 adoption
- Enhance RPKI services
- Roll out DNSSEC production services
- Continue participation in Internet Governance forums

Public Facing Development Efforts

- WHOIS-RWS deployed in June
- ARIN Online development progressing steadily
- DNSSEC
 - Now signing zones
 - Interfaces to allow insertion of DS records coming in Q1 2011
- RPKI
 - Rolling out production service in Q1 2011
 - Pilot available at <http://rpki-pilot.arin.net>

2010 Outreach Events

- Ongoing participation in various local, national and international forums, focus on IPv4 depletion and IPv6 adoption
- Upcoming events include:
 - Supercomputing 2010
 - Internet On (ION)
 - Consumer Electronics Show (CES)
 - Pacific Telecommunications Conference
 - Enterprise Connect
 - Satellite 2011
 - Interop
 - FOSE

Annual WHOIS POC Validation

- Fully automated process (via ARIN Online) – Began June 2010
 - Sent emails to ~42,000 POCs with direct resources (completed 1st cycle)
 - Response rate of ~30% (smooth process, few questions)
 - Early August, began sending emails to ~200,000 POCs with indirect resources (reassignments) from upstreams (1st cycle on-going)
 - Lower response rate thus far (lack of understanding, many questions)

New Policy Implementation*

- [2010-6](#): **Simplified M&A transfer policy**
 - Clarifies existing text
 - Unused space must be returned to ARIN
- [2010-4](#): **Rework of IPv6 allocation criteria**
 - Have an IPv4 allocation, or
 - Be multi-homed, or
 - Have plan for 50 customers in 5 years
- [2010-2](#): **/24 End User Minimum Assignment Unit**
 - /24 new minimum assignment, /24s and /23s must renumber if they request additional space

*Occurred Sept 2010

Draft Policy Discussions

2010-8: Rework of IPv6 assignment criteria

- In last call

2010-9: IPv6 for 6rd

- Abandoned (2010-12 went to last call)

2010-10 : Global Policy for IPv4 Allocations by the IANA Post Exhaustion

- AC recommended Board adopt (as revised)
 - Section 2 – Eligible space more clearly defined.
 - Section 4 – Exhaustion determined in part by the RIR's own minimum prefix size

2010-11: Required Resource Reviews

- Abandoned

Draft Policy Discussions (cont.)

2010-12: IPv6 Subsequent Allocation

- “Subsequent allocations will also be considered for deployments that cannot be accommodated by, nor were accounted for, under the initial allocation.”
- AC recommended Board adopt

2010-13: Permitted Uses of space reserved under NRPM 4.10

- Abandoned

2010-14: Standardize IP Reassignment Registration Requirements

- Back to the list for more discussion

New Policy Proposals

- **Globally Coordinated Transfer Policy (PP 119)**
 - “Any RIR's resource registrant may transfer IPv4 addresses to the resource registrant of another RIR as long as the two RIRs agree and exercise Internet stewardship and the values expressed in RFC2050.”
- **Protecting Number Resources (PP 120)**
 - “ARIN shall use any reasonable and practical methods to proactively look for fraudulently obtained or abandoned number resources and seek the return of those resources to ARIN.”

New Policy Proposals (cont.)

- **Sensible IPv6 Allocation for ISPs (PP 121)**
 - Current policy means many requests for /32s.
 - Easier to get larger IPv6 allocations (nibble boundaries)
- **Reserved Pool for Future Policy Development (PP 122)**
 - Current policy reserves an IPv4 /10 to facilitate IPv6 deployment (when ARIN gets its last /8).
 - Keeps the reservation, but discussion needs to happen to decide how to use it (and self expires in October 2011).
- **Reserved Pool for Critical Infrastructure (PP123)**
 - Reserves an IPv4 /20 for critical infrastructure (exchange points, TLD servers, etc.).

ARIN Meetings

(Puerto Rico and Philadelphia)



