ARIN Update

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2011 Focus

- Continue development and integration of web-based system (ARIN Online)
- Outreach on IPv6 adoption
- DNSSEC and RPKI
- Continue participation in Internet Governance forums

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Public Facing Development Efforts

- WHOIS-RWS deployed in June 2010
- ARIN Online development progressing steadily
- DNSSEC
  - Now signing zones
  - Interfaces to allow insertion of DS records coming end of Q1 2011
- RPKI
  - Rolling out production service in Summer of 2011*
  - Pilot available at http://rpki-pilot.arin.net

*Pending Board Approval

2011 Outreach Events

Ongoing participation in various local, national and international forums, focus on IPv4 depletion and IPv6 adoption. Events include:

- CES
- Pacific Telecom Conference
- Cable Labs
- Joint Techs / Internet2
- ICT roadshow events
- TTVN
- IT Roadmap
- Game Developers Conference
- Enterprise Connect
- Satellite 2011
- Rocky Mountain IPv6 Summit
- Interop
- CANTO
- FOSE
- HostingCON

Recently Implemented Policy

ARIN-2010-1: **Waiting List for Unmet IPv4 Requests**
- "ARIN will make each allocation and assignment as a single continuous range of addresses"
- Unused space must be returned to ARIN

ARIN-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."

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Soon to be Implemented

ARIN-2010-8: **Rework of IPv6 assignment criteria**

- – Nibble boundary assignments based on site counts. Starts with /48 for one to twelve sites, then /44 for 13-192 sites, etc.
- – "A site is a discrete location that is part of an organization's network."

ARIN-2010-14: **Standardize IP Reassignment Registration Requirements**

- – Expands "cable IPv4 allocation policy" to all ISPs with residential/DHCP-type customers (lowers utilization threshold, increases utilization information requirements).
- – Requires SWIP for /64 and larger static reassignments.

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Draft Policy Discussions

ARIN-2011-1: Globally Coordinated Transfer Policy
- Allows transfers to/from ARIN region

ARIN-2011-2: Protecting Number Resources
- Directs ARIN to go after abandoned/fraudulently obtained resources

ARIN-2011-3: Better IPv6 Allocations for ISPs
- Makes it easier to get larger blocks of IPv6 space

ARIN-2011-4: Reserved Pool for Critical Infrastructure
- Reserves a v4 /16 for critical infrastructure

ARIN-2011-5: Shared Transition Space for IPv4 Address Extension
- Allocates a v4 /10 for ISPs to share (eg. NAT444)

New Policy Proposals

ARIN-prop-126 **Compliance Requirement**

– Directs ARIN to remove DNS services from ISPs that do not properly register reassignment information

ARIN-prop-131 **Section X.X. Legacy Addresses**

– "All IPv4 addresses returned to, recovered, or revoked by ARIN will be made available for registration and distribution in the ARIN region within 30 days."

ARIN-prop-132 **ISP Sub-assignments Do Not Require Specific Customer Relationships**

– Regarding reassignments… "An ISP is solely responsible for determining whether an organization is a customer…"

New Policy Proposals (cont.)

ARIN-prop-133 **No Volunteer Services on Behalf of Unaffiliated Address Blocks**

- "Except in the specific circumstances described by this policy, ARIN will not provide any services for any organization and/or address block. This includes without limitation all directory services, reverse mapping services, and future services that may be provided to the community.

ARIN-prop-134 **Identification of Legitimate Address Holders**

- Establishes criteria for determining whether an organization is the legitimate address holder for a given IP address block.

ARIN-prop-135 **Clarification of draft policy 2009-3**

- Tells ARIN to not return address space to IANA.

ARIN Meetings