

# ARIN Report October 2008

## ARIN XXII

ARIN thanks everyone who joined us from 15-17 October 2008 in Los Angeles, California for the ARIN XXII Public Policy and Members Meeting. The meeting was held back to back with NANOG 44, 12-14 October at the Millennium Biltmore Hotel.

The following policies were discussed:

**2007-14 - Resource Review Process**

**2008-2 - IPv4 Transfer Policy Proposal**

**2008.3 - Community Networks IPv6 Allocation**

**2008-4 - Minimum Allocation in the Caribbean Region**

**2008-5 - Dedicated IPv4 block to facilitate IPv6 Deployment**

**2008-6 - Emergency Transfer Policy for IPv4 Addresses**

**2008-7 - Whois Integrity Policy Proposal**

ARIN offered an improved remote participation experience using a combination of live transcripts, Jabber-based chat, and a webcast for those that were unable to attend. Registered remote participants made their voices heard in the Public Policy Meeting by submitting their questions and comments which were read from the floor. For the first time, remote participants with registered chat handles were able to vote in discussion polls. The webcast and community chat were open and available to the public throughout the meeting.

The transcripts of the policy discussions are available, along with the rest of the notes and minutes from ARIN XXII, at: [http://www.arin.net/meetings/minutes/ARIN\\_XXII/](http://www.arin.net/meetings/minutes/ARIN_XXII/)

You can review the text and history of these and other policy proposals at: [http://www.arin.net/policy/proposals/proposal\\_archive.html](http://www.arin.net/policy/proposals/proposal_archive.html)



## Special Feature Panel:

### What would Jon have done about the addressing challenges currently facing us?

Vint Cerf offered a keynote introduction on the first day of NANOG 44, which was followed by a panel discussion on Wednesday morning 15 October. Internet pioneers; Bob Braden, Danny Cohen, Bob Hinden, Van Jacobson, Paul Mockapetris, and Lixia Zhang shared their recollections of the "behind the scenes" discussions that went on in the "early" days, some 15 or 20 years ago, and many mirrored the threads currently being seen on message lists in our community.

These key players were in the original discussions about addressing, and even then struggled with the looming challenge of address exhaustion. The panel offered an enlightening opportunity to examine the current addressing crisis through the lens of experience.

## IPv6 Global Survey

The American Registry for Internet Numbers (ARIN), in cooperation with the Cooperative Association for Internet Data Analysis (CAIDA), conducted a survey to gather data regarding current and planned use of IPv6.

The scope of the survey was expanded to seek IPv6 penetration data from around the world. Organizations in the AfriNIC, APNIC, ARIN, LACNIC, and RIPE NCC regions were invited and encouraged to participate in the survey in order to establish a comprehensive view of present IPv6 penetration and future plans for IPv6 deployment. The survey opened 8 September and closed 1 October. There were over 1,000 responses. The results of the survey were presented and discussed at the ARIN XXII Public Policy and Members Meeting. The survey results are available at: [http://www.getipv6.info/index.php/Global\\_IPv6\\_Survey](http://www.getipv6.info/index.php/Global_IPv6_Survey). The summary results were shared with all the RIRs for distribution within their respective regions. The survey data will also be used to support ongoing research.

## ARIN in Brief

Established: 1997

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## Caribbean Sector Meetings

Nassau, Bahamas

16-17 September 2008



Following a very successful meeting in Kingston, Jamaica, ARIN returned to the area to hold its second Caribbean Sector Public Policy meeting just prior to the ARIN XXII Public Policy and Members Meeting. In addition to the previously offered education and policy discussions, the ARIN Engineering department set up a native IPv6 network for educational experimentation during the Tuesday morning session, followed by a CTU Workshop: Regulatory Innovation in the IP World.

The Wednesday sessions were dedicated to the discussion of the seven active policy proposals in the ARIN region and ARIN updates. The content of the policy discussions was provided to the Advisory Council for consideration during their deliberations and published on the Public Policy Mailing List ([arin-ppml@arin.net](mailto:arin-ppml@arin.net)) in keeping with ARIN's open and transparent policy development process. Carleton Samuels of the University of the West Indies gave a featured presentation on the issue of Internet exchange points in the Caribbean.

## Internet Governance Update

Since joining the company, Cathy Handley, ARIN's Executive Director of Government Affairs and Public Policy, has spent much time traveling to represent ARIN at various governmental and Internet Governance meetings. Her efforts have focused on contributing to discussions about the governmental implications of Internet community issues regarding IPv4 depletion and IPv6 implementation, as well as sharing information about what can be done to assist in the adoption of IPv6.

### Cathy's Travel Brief:

JULY – Cathy represented ARIN at both the Caribbean Association of National Telecommunications Organizations (CANTO) meeting and the Caribbean Telecommunications Union (CTU) Internet Governance Forum in Curacao, Netherlands Antilles.

AUGUST – Cathy traveled to Argentina to be part of the Permanent Consultative Committee 1 where she prepared for the upcoming ITU World Telecommunication Standardization Assembly, held 21-30 October where the issue of IP addressing was among the discussion topics. She also represented ARIN at APNIC 26 in Christchurch, New Zealand.

SEPTEMBER – Cathy participated in the ARIN Caribbean Sector Meeting in Nassau, Bahamas where she spoke at the CTU Workshop on "Regulatory Innovation in the IPv6 World".

Cathy will be on the road much of the fall, lending her support at ARIN XXII and RIPE 57 in October, and ICANN Cairo and AfriNIC 9 in November. She will continue to prepare to participate in the Internet Governance Forum in Hyderabad, India in December.

## Ongoing Outreach Efforts

ARIN outreach has been in high gear through the late spring and summer. ARIN staff and Board have traveled around the region to participate in a number of industry tradeshow and conferences. This fall ARIN continues to reach out to inform the Internet Community about issues related to IPv4 depletion and to promote migration to IPv6.

### Summer/Fall Outreach Recap

Where	When	What
Media Reform Conference	6-9 June	Attended
Navajo Nation Information Technology Summit – Albuquerque, NM	9-12 June	Booth and Presentation
CANTO 2008 – Paradise Island, Bahamas	13-16 July	Booth and Presentation
Joint Techs Meeting – Lincoln, NE	20-23 July	Presentation
Caribbean Internet Governance Forum – Willemstad, Curacao	23-24 July	Presentation
HostingCon – Chicago, IL	28-30 July	Booth and Presentation
Center for the Application of Information Technology, Washington University	25-26 September	Presentation
TRPC	26-28 September	Presentation
NANOG/ARIN XXII	12-17 October	Booth and Meeting
Caribbean Internet Forum	29-31 October	Presentation

## Elections

The 2008 ARIN Election cycle opened in July when ARIN solicited volunteers for the Nomination Committee and began to accept nominations for the 2 open seats on the Board of Trustees, the 5 open seats on the Advisory Council (AC), and the one open seat on the NRO Number Council (NC). The nominations period for candidates for the Board, AC, and NRO NC closed on 20 August. The initial slate of candidates was announced, along with their biographies, on 11 September. At that time, ARIN published the candidates' biographies and their responses to the expanded candidate questionnaires on the ARIN website, and community members added their Statements of Support for community consideration.

ARIN undertook an extensive voter mobilization campaign that included multiple targeted mailings. The elected bodies should represent the diversity of ARIN's membership, and ARIN increased its efforts to promote broader community participation in the 2008 elections. Online voting opened at 12:00 PM EDT (UTC/GMT -4 hours ) on 17 October, the final day of ARIN XXII in Los Angeles. Online voting was enabled through 12:00 PM EDT on 24 October, with winners announced on 31 October. ARIN XXII meeting attendees, and those viewing the webcast had an opportunity to hear speeches from the candidates during the Members Meeting on Friday, 17 October.

There were 11 candidates for the Advisory Council, 4 candidates for the Board of Trustees, and 6 candidates for appointment to the NRO Number Council. Martin Hannigan was announced as the appointee to the NRO Number Council on 16 October at ARIN XXII.

Full election results will be announced on 31 October, so please go to **[www.arin.net](http://www.arin.net)** for the latest news!

## Revised NRPM

A revised Number Resource Policy Manual (NRPM 2008.4) became effective on 24 September 2008, incorporating the ARIN Board of Trustees adoption of Policy Proposal 2007-17, Legacy Outreach and Partial Reclamation. Policy Proposal 2007-19, IANA Policy for Allocation of ASN Blocks to RIRs, was also included following its adoption by the ICANN Board.

## 4-byte Autonomous System Numbers

As of 1 January 2009, ARIN will issue four-byte Autonomous System numbers by default. Two-byte ASNs will still be available, but must specifically be requested. In accordance with globally-coordinated policy, ARIN and all the Regional Internet Registries began allocating four-byte ASNs by request in January 2007.



January 2009 marks the transition, as required by existing policy, for ARIN to allocate four-byte ASNs by default.

Network operators may find themselves with a new four-byte ASN that cannot be recognized by upstream providers, peer networks, and customers. Timely vendor support is necessary to avoid a situation where network operators' routers and network administration systems that will not accept the expanded four-byte number format. ARIN urges operators to verify their vendors' routers will support four-byte ASNs.

APNIC has set up a special website at **<http://icons.apnic.net>** to help vendors understand how to provide four-byte ASN support and to help network operators find products that support four-byte ASNs.

Please contact **[hostmaster@arin.net](mailto:hostmaster@arin.net)** if you have any questions concerning this issue.

## The ARIN Annual Report Goes Green!

There is no paper version of the ARIN 2007 Annual Report. The report is a Flash presentation, available online at:



**[http://www.arin.net/about\\_us/corp\\_docs/annual/report2007.html](http://www.arin.net/about_us/corp_docs/annual/report2007.html)**

## ARIN XXIII San Antonio, TX 26-29 April, 2009

We look forward to you being with us for ARIN XXIII, 24-26 April 2009. It is important that you let your voice be heard both on the ARIN PPML and at an ARIN meeting. You now have a choice of how you attend an ARIN meeting - either online or in person. With our expanded Remote Participation options, you can participate fully in all aspects of the meeting right from your desk. For those of you that will be attending in person, we look forward to seeing you in San Antonio. No matter how you choose to participate -- we will see you then.



## NOTES