

A periodic update of activities and news in the ARIN region.

ARIN Board Speaks Out on Major Issues

ARIN Board Advises Internet Community on Migration to IPv6

On 7 May 2007, the ARIN Board of Trustees passed a resolution advising the Internet community that migration to a new version of the Internet Protocol, IPv6, will be necessary to allow continued growth of the Internet.

IP version 4 (IPv4), the currently prevalent version, contains just over four billion unique IP addresses, which is not enough to last indefinitely. IPv6 is a replacement for IPv4, offering far more IP addresses and enhanced security features. To date, ARIN has performed technical coordination of both versions and has not advocated one over the other.

However, with only 19% of IPv4 address space remaining, ARIN is now compelled to advise the Internet community that migration to IPv6 is necessary for any applications that require ongoing availability of contiguous IP number resources. The Board resolution also directs ARIN staff to increase its efforts in assuring the veracity of IPv4 resource requests and asks that ARIN's elected policy body, the Advisory Council, consider working with the community on policy changes to encourage migration to IPv6.

To implement this resolution, ARIN will review its internal resource request procedures, send progress announcements to the community, produce new educational documentation, and focus on IPv6 in many of its general outreach activities, such as speaking engagements, trade shows, and technical community meetings.

The full text of the Board resolution is available at: <http://www.arin.net/media>.

ARIN Board Statement on the Future of Addressing Policy in the ARIN Region

Addressing the upcoming shortage of IPv4 addresses, on 1 August 2007, the ARIN Board of Trustees released a statement that assures ARIN will continue to facilitate the policy development process that defines how Internet Protocol (IP) addresses are distributed in its region. The Board statement also reaffirms that ARIN's policies do not encourage profit-driven speculation in IP addresses.

ARIN uses an established open and transparent policy process to facilitate the Internet community's decisions regarding how ARIN distributes these finite community resources. According to the statement, "the current resource management mechanism is fully sufficient to address the upcoming shortage of IPv4 addresses, and a continuation of sober and responsible enforcement will ensure continued maximum benefit to and protection of the entire Internet community."

In making this statement ARIN reaffirms its dedication to the well-established principles of Internet governance, universal access, and the stable functionality of the Internet.

The full text of the Board statement is available at: http://www.arin.net/media/200701August_Statement.pdf.

ARIN XX

Albuquerque, New Mexico 17-19 October 2007

There is still time to register to join the ARIN community in Albuquerque, New Mexico from 17-19 October for the ARIN XX Public Policy and Members Meetings. This meeting will be held back-to-back with the North American Network Operators Group (NANOG) meeting, NANOG 41. Sponsored primarily by One Connect IP, this meeting is an excellent opportunity for the entire community to benefit from the technical and operational expertise of their colleagues, keep up on all the latest



ARIN in Brief

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technical issues facing the network operator community, and contribute to Internet number resource policy discussions and development.

The week begins on Sunday with an ARIN and NANOG sponsored day of workshops and presentations on migrating to IPv6. The ARIN program begins with a Tuesday evening overview of the Internet Resource Policy Evaluation Process (IRPEP), followed by the Open Policy Hour. Two days of Public Policy meetings on Wednesday and Thursday will feature discussion of the policy proposals noted below, and roundtable discussions on IP address markets and routing. All attendees are invited to attend the Friday Members Meeting to hear reports on ARIN activities, as well as speeches by candidates running for seats on the ARIN Board of Trustees and Advisory Council.

Program Overview

Day	Activities
Sunday, 14 October	A day of IPv6 workshops and presentations
Tuesday, 16 October	ARIN First Timer lunch; Evening Open Policy Hour
Wednesday, 17 October	Public Policy Day 1, Evening Social Event
Thursday, 18 October	Public Policy Day 2
Friday, 19 October	Members Meeting (open to all attendees). Noon Ending

The entire Public Policy and Members Meeting will be available for live viewing via the meeting webcast. Remote participation, with the ability to submit questions and comments, is available to all individuals not in attendance at the meeting.

Full meeting details, including registration, the agenda, and remote participation information is available at: <http://www.arin.net/ARIN-XX/>.

Policy Proposals for Discussion at ARIN XX

As of 18 August there were four formal policy proposals identified for the upcoming meeting:

- 2007-15: Authentication of Legacy Resources
- 2007:14: Resource Review Process
- 2007-13: Removal of ISP Immediate Need from End-User
- 2006-7: Changes to IPv6 initial allocation criteria

In addition, there were six proposals being reviewed by the ARIN Advisory Council. These, and possibly others, may be on the ARIN XX agenda:

- IPv4 Soft Landing
- Legacy Outreach and Partial Reclamation

- Global Policy for the Allocation of the Remaining IPv4 Address Space
- IANA Policy for Allocation of ASN Blocks to RIRs
- Definition of known ISP and changes to IPv6 initial allocation criteria
- v6 for legacy holders with RSA and efficient use

Text of the proposals is available in the Policy Proposal Archives at: http://www.arin.net/policy/proposals/proposal_archive.html

Community discussion on policy takes place on the ARIN Public Policy Mailing List (PPML). Archives are available at: <http://lists.arin.net/pipermail/ppml/>

The list is open to public subscription at: <http://lists.arin.net/mailman/listinfo/ppml>

IPv6 Information Center and IPv6 Wiki

In support of the ARIN Board resolution on IPv6, ARIN has provided two new education and outreach tools to assist the community in its migration to IPv6.

An IPv6 Information Center has been added to the ARIN website at: <http://www.arin.net/v6/v6-info.html>. The page contains links to information on getting IPv6 resources from ARIN, regional and global IPv6 consumption statistics, and ARIN IPv6 policies. Look for new materials to be added to this page.

A wiki-based site is now available for the ARIN community. All interested individuals are invited to use the site, at <http://www.getipv6.info>, to post information they believe may be helpful to others looking at implementations or migrations of networks to IPv6. This can include recommended practices, success stories, case studies, and general information on using IPv6 in the ARIN region. The intent is to create a site that is useful and relevant by taking advantage of the vast range of knowledge available in the ARIN community.

RSS Feed of PPML Available

ARIN now offers a Really Simple Syndication (RSS) feed of its Public Policy Mailing List (PPML) to make it easier for the community to follow the discussions about Internet number resource policy in the ARIN region. There are two feeds available; one contains all postings to PPML, while the second one contains only ARIN announcements to the list. ARIN announcements to the list include announcements of new policy proposals, the status of proposals as they make their way through the Internet Resource Policy Evaluation Process (IRPEP), and policy implementation announcements. Information about these new feeds, and the existing RSS feed of all website announcements, is available at: <http://www.arin.net/rss.html>.

The RSS feed of all posts to PPML is available at:
<http://lists.arin.net/pipermail/ppml/rss.xml>

The RSS feed of just ARIN announcements to PPML is available at:
<http://lists.arin.net/pipermail/info/rss.xml>

ARIN Outreach Update

It has been a productive quarter for the ARIN staff. In addition to the events and meetings staff has participated in for years, ARIN has taken advantage of several new opportunities this year.

From 25-29 June 2007, ARIN staff members attended the Caribbean Association of National Telecommunication Organizations' (CANTO's) 23rd Annual Telecommunications Conference and Trade Exhibition in Barbados. Representatives from ARIN and LACNIC jointly presented information about the RIRs and how the two RIRs work together on issues involving the Caribbean. Together ARIN and LACNIC set up an information kiosk in the exhibition hall, distributing informational and educational materials to attendees.

During the same week, ARIN staff participated in the ICANN meeting in San Juan, Puerto Rico. Along with the CEOs of AfriNIC and LACNIC, Ray Plzak presented information to the Government Advisory Committee and, during the general plenary, on the Address Supporting Organization. Because this ICANN meeting was within ARIN's region, staff also set up an information kiosk outside the main meeting hall to educate ICANN attendees about the Regional Internet Registry system. Puerto Rico marked the first time such an information kiosk has been available at an ICANN meeting.

On 27 June, the Federation of Internet Solution Providers Association (FISPA) held a regional meeting in Atlanta, Georgia. Presentations included topics such as VOIP, routing, AT&T's 6 Mbps DSL service, CALEA, and spam. ARIN Chief Operations Officer Nate Davis provided an overview of ARIN. The presentation prompted audience comments that there is a sharp learning curve after obtaining a direct allocation from ARIN because of the need to learn about the RADB, ASNs, BGP, and other technical topics. FISPA members were eager to share and hear ideas about how to increase revenue and cut costs.

In July, ARIN set up a booth at the HostingCon trade show in Chicago, Illinois. ARIN staff provided information on ARIN's policy development process, encouraged involvement in ARIN's activities, and distributed educational documentation and multimedia presentations. Richard Jimmerson, Chief Information Officer, also gave a presentation on how to get Internet number resources from ARIN and the transition to IPv6.

From 15-17 August, staff members attended the Caribbean Internet Governance Forum in Curacao. Together with LACNIC staff, ARIN presented information about the two RIRs' joint activities in the Caribbean and offered assistance

with future activities in the region. ARIN CEO Ray Plzak and LACNIC Executive Director Raúl Echeberría were featured speakers during the two day meeting.

Recent Policy Implementations

Six policy proposals, having been recommended for adoption by the ARIN Advisory Council and subsequently adopted by the ARIN Board of Trustees, were implemented by ARIN staff on 22 August 2007. The new policies were incorporated into the new version of the ARIN Number Resource Policy Manual, NRPM version 2007.2, which was published the same day.

Policies Implemented 22 August:

Proposal Number	Subject
2007-11	Refinement of ISP Initial Allocation Policy
2007-9	Modernization of ISP Immediate Need Policy
2007-8	Transfer Policy Clarifications
2007-7	Creation of Policy for Subsequent End-User IP Requests/Assignments
2007-4	Changes to IPv6 policy - removal of "interim" consideration
2005-3	Lame Delegations

The NRPM can be found at:
<http://www.arin.net/policy/nrpm.html>

The ARIN Internet Resource Policy Evaluation Process can be found at: <http://www.arin.net/policy/irpep.html>

The ARIN Policy Proposal Archive can be found at:
http://www.arin.net/policy/proposals/proposal_archive.html

2007 ARIN Elections

ARIN is holding elections to fill two seats on the seven member Board of Trustees, five seats on the fifteen member Advisory Council, and one of three seats on the Number Resource Organization (NRO) Number Council from the ARIN region. ARIN elections are an opportunity to participate in ARIN's operations and help shape the course of Internet number resource policy.

NRO Number Council candidates will be invited to present their credentials at the ARIN XX Public Policy Meeting in Albuquerque on 17 October. Candidates for the Board and Advisory Council will be given an opportunity to speak at the ARIN XX Members Meeting on 19 October. Candidate biographies will be available online before the elections and individuals will be able to submit candidate statements of support.

Voter Eligibility

All NANOG 41 and ARIN XX meeting attendees are eligible to vote in the NRO Number Council election.

Designated member representatives (DMRs) from ARIN General Members in good standing are eligible to vote in the Board, Advisory Council, and NRO Number Council elections.

2007 Election Calendar

Action	Date
Nominations Open	23 July – 22 August
Initial Slate of Candidates Announced	13 September
Board Petitions Open	13 September – 20 September
View Candidate Biographies Online Submit Statement of Support Online	13 September – 26 October
Final NRO NC Candidates Announced	8 October
Final Board and AC Candidates Announced	9 October
DMR Online Voting in NRO NC Election	10 October – 17 October
NANOG 41 Attendees Vote	16 October
ARIN XX Attendees Vote	17 October
NRO NC Representative Announced	18 October
DMR Online Voting in Board and AC Elections	19 October – 26 October
Board and AC Winners Announced	2 November

Election Headquarters

Visit ARIN Election Headquarters for all election information.
<https://app.arin.net/election/>

ARIN Consultation and Suggestion Process

Suggestion Process

Implemented in September 2006, the ARIN Consultation and Suggestion Process (ACSP) has been widely used. To date, community members have submitted 37 suggestions. ARIN acted on several of the suggestions to improve ARIN processes. Others required no action or were found to be outside the scope of ARIN's current mission. Many suggestions dealt with issues already under consideration or discussion, thus no immediate action was required. An archive of all suggestions and their resolution is available at:

http://www.arin.net/acsp/acsp_suggestions.html

Based on almost one year of implementation experience and recent discussion on the arin-discuss mailing list, the ARIN Board of Trustees approved a staff recommended revision to the ACSP document at its July meeting. A ten business day deadline for the President to evaluate each suggestion and respond to the submitter was added. The response will state either the action to be taken or the date to expect the statement of action. This document change is noted in the ACSP change log.

Outcome of Second Community Consultation

The result of Suggestion 2007.15, sent through the ARIN Consultation and Suggestion Process and asking for ARIN WHOIS to accept CIDR style queries, was an ARIN community consultation on enhancements to this directory service. The archive of the consultation mailing list discussion is available at: http://www.arin.net/acsp/community_consult/23-07-2007_WhoisDirectoryService.html

Support for the CIDR-style queries was evident and additional updates were suggested. ARIN staff will use this feedback to develop a WHOIS improvement project. Work on this project should begin in the 1st quarter of 2008.

The ARIN Consultation and Suggestion Process documentation is available at:

http://www.arin.net/about_us/corp_docs/acsp.html

Membership Handbook Mailing

If you are the Designated Member Representative (DMR) for an ARIN member organization, you should be receiving your copy shortly. Be sure to complete the online survey and let us know what you think of it!

