

2006  
Second Quarter

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### About Review

Review is produced for the ARIN membership and Internet community. Articles and contributions dealing with Internet number resources are welcome from all sources.

If you have an idea about an article or just a suggestion, please contact [webmaster@arin.net](mailto:webmaster@arin.net).

## ARIN XVII Report

### Montréal Meeting is Largest Second Quarter Meeting Ever for ARIN

From 9-12 April, the ARIN community gathered together in Montréal, Québec for the ARIN XVII Public Policy and Members Meetings. In addition to the regular meetings, there were workshops, tutorials, and several new meeting features. Discussions focused on a number of technical and policy issues, including Provider Independent IPv6 Address Space, 4-Byte AS numbers, and X.509 resource and routing certificates. The complete ARIN XVII meeting report is available at [http://www.arin.net/meetings/minutes/ARIN\\_XVII/](http://www.arin.net/meetings/minutes/ARIN_XVII/).

This was the largest second quarter meeting ever for ARIN, with 155 attendees, including approximately 58 first-time attendees. Meeting attendees included 94 attendees from 21 different U.S. states, 40 attendees from 3 Canadian provinces, and 21 attendees from outside the ARIN region.

### Pre-meeting Activities

On Sunday, 9 April, ARIN was excited to once again offer "Getting Started with IPv6," a workshop providing hands-on experience in setting up IPv6 on your own laptop. This workshop was originally held at the back-to-back NANOG 35 and ARIN XVI meetings October 2005 in Los Angeles.



See ARIN XVII, Page 6

## ARIN XVIII Information

### Fall Meeting to Take Place Back-to-Back With NANOG 38

ARIN is very pleased to announce that ARIN XVIII will take place 11-13 October, 2006 in St. Louis, Missouri. ARIN's fourth quarter meeting offers a great opportunity for the community, as we will be holding it back-to-back with NANOG 38. Savvis has committed to sponsor the meeting's network connectivity and will be co-hosting the NANOG meeting with Washington University in St. Louis. Hotel reservation information will be posted at the end of July, and ARIN XVIII registration for attendees and remote participants will open 7 August.

NANOG and ARIN's back-to-back meetings are a great chance for both communities to benefit from the technical and operational expertise of their colleagues, keep up on all the latest technical issues facing the network operator community, and contribute to Internet number resource policy discussions and development. They are also an excellent opportunity to show your support of the Internet community and these forums through sponsorship.

Attendees to the meeting will be able to participate in technical and policy discussions, including proposals related to residential customer privacy and micro-allocations. Other activities will include the Open Policy Hour, an exciting social event, and Cyber Café and ARIN Registration and Billing Help Desks.

Benefits to attending include opportunities to take part in tutorials and a new IPv6 Workshop



See St. Louis, Page 4

## Future Internet Community Meetings

### Joint Techs Workshop

16-19 July

Madison, Wisconsin

### SANOG 8

27 July - 4 August

Karachi, Pakistan

### APNIC 22

4-9 September

Kaohsiung, Taiwan

### RIPE 53

2-6 October

Amsterdam, the Netherlands

### NANOG 38

8-10 October

St. Louis, Missouri

### ARIN XVIII

11-13 October

St. Louis, Missouri

### Internet Governance Forum

30 October - 2 November

Athens, Greece

Updates to this calendar can be found at:

<http://www.arin.net/meetings/calendar.html>

## Internet Community Meeting Reports

### ICANN

25-31 March

Wellington, New Zealand

Over 700 delegates from 82 countries gathered in Wellington to participate in ICANN's 25th International Meeting.

Some highlights include:

- Board approval of the 2006-2009 Strategic Plan
- Two Security and Stability Advisory Committee (SSAC) reports on (1) amplified DNS Distributed Denial of Service (DDoS) attacks and (2) alternate roots and Internationalized Domain Names (IDNs)
- Community discussion of both the policy and technical trial issues in introducing IDN top-level domains
- Internet users' forum to discuss new Top Level Domains (TLDs)
- Public workshop on Internet governance

<http://www.icann.org/meetings/wellington/>

### RIPE 52

24-28 April

Istanbul, Turkey

RIPE 52 took place in Istanbul, Turkey on 24-28 April 2006, with approximately 297 attendees at the meeting. Highlights of the meeting included an IP Anti-Spoofing BoF that led to the establishment of the RIPE IP Anti-Spoofing Task Force, and a presentation on behalf of The Swedish National Broadband Government Think Tank, outlining the Swedish Government's approach to IT policy and strategy.

Policy and working group discussion highlights included

- Global policy proposal 2005-09, IANA to RIR IPv6 Allocation Policy, was accepted in the RIPE NCC region.
- The Address Policy Working Group expressed different opinions about proposal 2006-01, Provider Independent (PI) IPv6 Assignments for End User Organisations. The proposal will be discussed further on the Working Group mailing list.
- The IPv6 Working Group General included consensus that there is work to be done on the IPv6 allocation policy.

<http://www.ripe.net/ripe/meetings/ripe-52/>

### AfriNIC 4

16 - 17 May

Nairobi, Kenya

AfriNIC 4 took place in Nairobi, Kenya on 16-17 May 2006, following the AfNOG meeting. Some of the topics discussed during the AfriNIC meeting included resource certification, development of the My AfriNIC site (the trial is to begin in June of this year), bogon testing of 41/8, and policy proposals.

Policies recently adopted by the AfriNIC Board consisted of the following: an end user assignment policy (/24 minimum); a policy for temporary/critical infrastructure assignments; an ASN criteria policy (requestors must be members in good standing); and the proposed global policy on IPv6 Allocations from IANA to the RIRs.

There was a proposal for 4-byte ASNs which appears to be

moving forward to last call. There was also a proposal for PI IPv6 assignments to end sites, which likely will be held back for further discussion. Proposals moving forward are posted for 15 days of last call to the AfriNIC policy mailing list.

Elections occurred during the Member Meeting; the following were elected to the AfriNIC Board:

- Eastern Region: Ntege Badru (Primary) and Brian Longwe (Alternate).
- Southern Region: Alan Barret (Primary) and Almada Sylvio (Alternate).

<http://www.afrinic.net/meeting/afrinic-4/afrinic-4-minutes.htm>

## LACNIC IX

22-26 May

Guatemala City, Guatemala

LACNIC IX took place in Guatemala City on 22-26 May 2006. There were about 180 participants from 26 countries. Some of the activities during the first three days of the meeting included: the LACTLD Member Meeting, a Tutorial on Network Security, NAPLA 2006, the first Network Security Event in Latin America and the Caribbean, and FLIP-6 and the IPv6 TF LAC. Thursday morning was the LACNIC Annual Members Meeting. The Open Policy Forum was Thursday afternoon and Friday morning.

Nine policy proposals were presented during the LACNIC Open Policy Forum. Consensus was found to move the following proposals forward to last call.

- The proposal on Resource Recovery (unused resources)
- The proposal regarding the IPv6 HD Ratio (changing from .8 to .94)
- The proposal for extending the timeframe for allocations from 3 months to one year
- The proposal for 32-Bit ASNs

Lastly, during the Open Policy Forum, Sebastian Bellagamba was reelected to the ASO AC for three more years and Christian O'Flaherty was reelected to Chair the Open Policy Forum for another two years.

<http://lacnic.net/en/eventos/lacnicix/>

## NRO Represented in Internet Governance Forum Advisory Group

United Nations Secretary-General Kofi Annan named Raúl Echeberría, Executive Director of LACNIC, and Adiel Akplogan, CEO of AfriNIC, to serve on a 46-member Advisory Group. This Advisory Group will assist the Secretary General in convening the Internet Governance Forum, and is comprised of representatives from governments, the private sector, and civil society. The Group will prepare the agenda and program for the first meeting of the Internet Governance Forum, which is to be held in Athens from 30 October to 2 November 2006.

The selection of two members of the Number Resource Organization (NRO) Executive Council signifies the important contribution the NRO plays in the Internet community and also reflects the integral role of the Regional Internet Registry system in Internet operations. Past NRO activities in Internet governance are detailed on the website: <http://www.nro.net/>.

For a complete list of Advisory Group members please see the announcement at:

<http://www.un.org/News/Press/docs//2006/sga1006.doc.htm>

## Independent RFC Submissions Process

### Mail List Discussion Underway

The Internet Engineering Task Force (IETF) is contemplating changes in the way the RFC-Editor function is implemented. There is an initial draft proposal available at:

<http://www.ietf.org/internet-drafts/draft-klensin-rfc-independent-02.txt>

In order to foster discussion on a process for fair and appropriate approval of independent submissions to the RFC series, the Internet Architecture Board (IAB) has created a public mailing list. Interested individuals are invited to join this mailing list and participate.

<https://www1.ietf.org/mailman/listinfo/independent>

St. Louis, from Page 1

featuring hands-on experience with IPv6 in a network environment, as well as a chance to meet many of the candidates for this year's ARIN Board, Advisory Council, and NRO NC elections. Candidates will be able to make speeches during the ARIN Members Meeting. NANOG and ARIN meeting attendees, regardless of ARIN membership status, are eligible to vote onsite during the meeting in the NRO NC election.

Opportunities are still available to show your support by sponsoring all or part of the meeting events like the ARIN social, meals, or breaks. Sponsors are acknowledged during daily public announcements, on the meeting website, and meeting information materials. Sponsors are also recognized on the sponsorship page and archived in the meeting minutes after the event. Your organization's commitment could start with as little as \$2,000 for a partial sponsorship.

If you are interested in sponsorship or if we may provide you with additional information, please contact Erin Centanni, ARIN Meeting Planner, at +1-703-227-9878 or submit your contact information through our online form at <http://www.arin.net/meetings/sponsor.html>.

## ASO AC Selection of ICANN Board Member

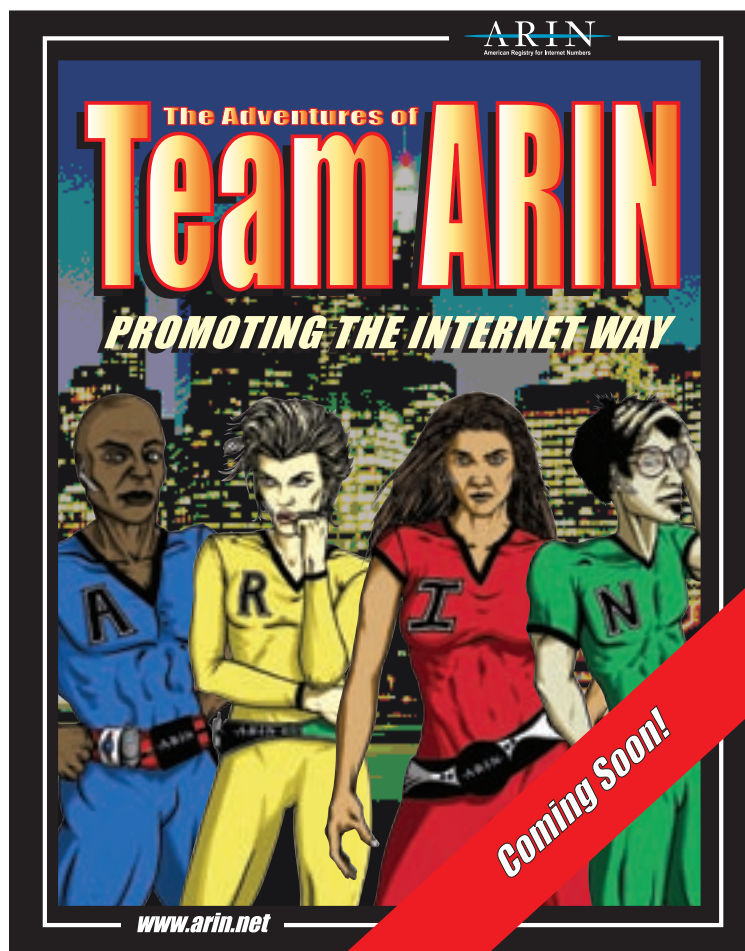
Following a public nomination period, the ASO Address Council (ASO AC) selected the final set of candidates to fill the ASO seat on the ICANN Board formerly held by Mouhamet Diop, whose term expired in June 2006. The candidates were:

- Envir Fraser
- Uchenna Ibekwe
- Jordi Palet Martinez
- Dave Wodelet

At their 3 May 2006 meeting the ASO AC selected David L. Wodelet to serve a three year term on the ICANN Board of Directors. Mr. Wodelet's term began in June 2006. He will fill the seat being vacated by Mouhamet Diop, whose term expired.

This selection process was held in compliance with the ASO MoU and ICANN bylaws. For more information on the ASO Address Council, please visit:

<http://www.aso.icann.org/about.html>



### New Website Feature

RSS feed of ARIN's website announcements is now available at <http://www.arin.net/announcements/rss.xml>



## ARIN Board of Trustees Actions

The ARIN Board of Trustees met on 10 April and 9 May 2006.

The following are highlights of Board actions and discussions at these meetings:

- Discussed ARIN's involvement in regards to the issue of a certification authority.
- Reviewed ARIN's audited financial statement for 2005.
- Directed ARIN Counsel to develop a plan for Board members to disclose to each other additional details on issues where there could be a conflict of interest.
- Director of Financial Services Bob Stratton provided a presentation to the Board, on a Preliminary Forecast of IPv6 Demand and Fees at the request of the Treasurer.
- Ratified three policy proposals. [see Page 7]
- The Chair tasked the President, Staff, and Counsel to discuss what proper practice should be in the area of notification about modifications to the Registration Services Agreement.
- Discussed the IPv6 Fee Waiver. The Treasurer noted that there was ambiguity concerning the applicability of the waiver of IPv6 fees with regard to the provision of provider independent IPv6 address space by ARIN.

*Minutes for all Board of Trustees meetings are available at:*  
<http://www.arin.net/meetings/minutes/bot/>

## Advisory Council Actions

The ARIN Advisory Council met on 11 April, 20 April, 4 May, and 25 May 2006.

The following are highlights of the actions and discussions at these meetings:

- Took action on seven policy proposals discussed at ARIN XVII [see Page 7]
- Accepted "Bulk WHOIS Agreement Expiration Clarification" as a formal policy proposal, but that it also be brought up for discussion at the Board of Trustees
- Did not accept as formal proposals the following three submissions: RSA Modification Procedure, Recommended v6 aggregation practices, and Requirement for Reasonable Contract Terms.

*Minutes for all Advisory Council meetings are available at:*  
<http://www.arin.net/meetings/minutes/ac/>

## New Routing Registry Server Available

ARIN has released a new Routing Registry server. The new server is available at `rr-eval.arin.net` (port 43) for whois queries and `rr-eval.arin.net` (port 4444) for mirroring the ARIN data. The changes made include:

- Filtering out e-mail addresses and regular expressions from whois query replies
- Support for common whois client flags
- Separation of mirroring and whois components

For a list of instructions on querying, use the following command:

```
whois -h rr-eval.arin.net HELP
```

These changes are for the server side only. Registering objects in ARIN's Routing Registry will continue to be processed as they are today. An evaluation period started on 19 Jun 2006 and will run through 31 July 2006. The evaluation period provides the community the opportunity to explore the use of the new server and modify any scripts in use that may depend upon it. After the evaluation period has ended, `rr.arin.net` ports will resolve to the new server for whois queries and mirroring. Please send any feedback you may have to [hostmaster@arin.net](mailto:hostmaster@arin.net).

## Changes to ARIN's Ticketing System

Effective 24 May 2006, auto-replies for all e-mail received by `hostmaster@arin.net` and `reassign@arin.net` will now be sent from a no-reply mail account called "`do-not-reply@arin.net`". Any reply messages sent to "`do-not-reply@arin.net`" will be discarded.

If you wish to add information to your ticket, simply reply to the e-mail and change the "To:" field to read `hostmaster@arin.net`. This will ensure that any additional information submitted will be read by an analyst and will not be automatically discarded.

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ARIN chose to hold it again for the benefit of those in the community unable to attend in Los Angeles. The response was excellent, and ARIN looks forward to offering Phase II of this workshop in St. Louis at ARIN XVIII.

Also on Sunday, ARIN held a First Timers Lunch where those new to the ARIN community got a chance to meet members of the ARIN Board, Advisory Council, and ARIN’s executive team and department directors. We hope those who were able to attend enjoyed the opportunity, and ARIN will be holding a similar event at ARIN XVIII in St. Louis.

Tutorials held on Sunday included “Effective and TIMELY bogon filtering” by Dave Dietrich and “What I Want for Eid ul-Fitr: An Operational ISP and RIR PKI” by Randy Bush. These were followed by a lively and informative Open Policy Hour, which included discussions on a wide variety of topics.

Activities on Sunday concluded with the 7th Annual ARIN Foosball tournament. After a night of intense action, the following trophy winners emerged:

- First Place: Lee Howard and Bob Stratton
- Second Place: Scott Beuker and Owen DeLong
- Third Place: Raúl Echeberría and Scott Shackelford
- Bringing Up the Rear Award: Danielle Gietler and Jordi Palet Martinez

**Public Policy Meeting**

The ARIN XVII Public Policy Meeting took place 10-11 April 2006. Meeting notes, transcripts, presentations, and archives of the webcast are available at:

[http://www.arin.net/meetings/minutes/ARIN\\_XVII/ppm.html](http://www.arin.net/meetings/minutes/ARIN_XVII/ppm.html)

In addition to the seven policy proposals in front of the community [for details, see Page 7], discussion and presentation highlights included:

- A discussion panel on ‘X.509 Resource and Routing Certificate,’ featuring John Curran, Steve Bellovin, Randy Bush, Geoff Huston, and Steve Kent.
- A presentation titled ‘Bogon filtering for fun and profit’ by Dave Dietrich.
- A report on the Internet Governance Forum by Lynn St. Amour focusing on the history in the area of Internet governance and what lies ahead.
- Open microphone discussion on: moving the minimum prefix size of a /22 for end-users to /24;

further discussion of whether ARIN should be doing something specifically to address allocations for anycast; additional discussion of residential customer privacy.

**Members Meeting**

The ARIN XVII Members Meeting took place 12 April 2006. Meeting notes, presentations, and archives of the webcast are available at:

[http://www.arin.net/meetings/minutes/ARIN\\_XVII/mem.html](http://www.arin.net/meetings/minutes/ARIN_XVII/mem.html)

The Members Meeting included reports from ARIN’s departments, the Board of Trustees, and the Advisory Council, as well as a presentation by Scott Bradner on a Member Suggestion Process, followed by discussion of the topic.

Topics from the Open Microphone session included:

- A requested that ARIN publish a road map of services to be provided to members, specifically commercially outsourced services for which members may wish to comment on or participate in.
- Discussion on technical issues related to DNSSEC and certification, and ARIN’s role in this effort.

**Cyber Café**

An exciting new development at ARIN meetings is the Cyber Café, which combines the services formerly provided by the Terminal Room with the Registration Services and Billing Help Desks. The space featured booths that ARIN will be using in its education and outreach efforts, as well as seating suitable for meeting with colleagues or just catching up on your e-mail.

**Sponsors**

ARIN thanks Teleglobe, a VSNL International Company, who with assistance from Bell Canada, Cisco, Dell, and Force10 Networks sponsored the network connectivity, social event, and Cyber Café (formerly the “Terminal Room”) for this meeting.

ARIN also thanks the Canadian Internet Registration Authority (CIRA) for its sponsorship of lunch on Monday, 10 April.

**ARIN XVIII Information**  
**Meeting Details and Registration Information Coming**  
**Soon to**  
<http://www.arin.net/ARIN-XVIII/>

## Report on Policy Proposals Discussed at ARIN XVII

Policy discussions at ARIN XVII involved proposals first introduced to the Public Policy Mailing List (PPML), and then accepted by the Advisory Council as formal policy proposals. Based on discussion of the proposals on PPML and at the Public Policy Meetings, the Advisory Council made recommendations to the Board of Trustees.

The following table includes the status of each proposal discussed at the meeting as of 30 June 2006.

Policy Proposal Number	Policy Proposal Title	Advisory Council Action	Board Action
2005-1	Provider-independent IPv6 Assignments for End Sites	Recommended Adoption	Ratified
2005-8	Proposal to amend ARIN IPv6 assignment and utilisation requirement	Recommended Adoption	Ratified
2005-9	4-Byte AS Number	Recommended Adoption, as amended	Ratified
2006-1	Residential Customer Privacy	The AC will work with the author.	
2006-2	Micro-allocations for Internal Infrastructure	The AC will work with the author.	
2006-3	Capturing Originations in Templates	The AC will work with the author.	
2006-4	IPv6 Direct PI Assignments for End Sites	Abandoned in favor of Proposal 2005-1	
2006-5	IPv4 Micro-allocations for anycast services (temporary)	Abandoned	

Below is a list of the ratified proposals and their expected implementation dates:

- 2005-1: Provider-independent IPv6 Assignments for End Sites - Not later than Friday, 1 September 2006.
- 2005-8: Proposal to amend ARIN IPv6 assignment and utilisation requirement - Not later than Friday, 1 September 2006.
- 2005-9: 4-Byte AS Number - According to the schedule within the policy.

As final implementation details are determined, exact implementation dates of these policies will be published.

Policy proposals are open for discussion on PPML. Each of the policy proposals has been previously posted to PPML as an independent thread to facilitate discussion. Details about archived and currently active policy proposals under discussion can be found at:

[http://www.arin.net/policy/proposal\\_archive.html](http://www.arin.net/policy/proposal_archive.html)

Minutes of Advisory Council meetings are available at <http://www.arin.net/meetings/minutes/ac/>, and minutes of Board of Trustees meeting are at <http://www.arin.net/meetings/minutes/bot/>. Reports from Public Policy and Members Meetings are located at <http://www.arin.net/meetings/minutes/>. The entire Internet community is invited and encouraged to participate in these policy discussions. Your active participation in these discussions is vital to the process and will help to form policies that are beneficial to all. PPML subscription information and archives can be found at [http://www.arin.net/mailling\\_lists/](http://www.arin.net/mailling_lists/).

## 2006 Election Cycle

### ARIN Election Overview

Each year, the ARIN membership votes to fill vacant seats on the Board of Trustees and the Advisory Council. The election process begins with an open call for nominations approximately 80 calendar days prior to the fourth quarter ARIN Members Meeting, which this year will take place on 13 October. ARIN General Members in good standing vote following the meeting and winners are announced within 7 days from the close of the voting period. All terms are for 3 years beginning 1 January.

This July will mark the beginning of the 2006 election cycle with the opening of nominations for seats on the ARIN Board of Trustees, Advisory Council, and the Number Resource Organization Number Council (NRO NC).

The Board of Trustees (BoT) is comprised of 7 voting members. Six members are elected by the general membership; the seventh member is the ARIN President and CEO. Board terms are staggered so that 2 positions are up for election each year. The two positions which will open next year are currently held by John Curran and Scott Bradner.

The Advisory Council (AC) is comprised of 15 voting members, each elected by ARIN's General Members. AC terms are staggered so that 5 positions are up for election each year. The positions on the AC which will open next year are currently held by Leo Bicknell, Mark Kosters, Lea Roberts, Robert Seastrom, and Stacy Taylor.

The Board of Trustees retains oversight authority regarding the nomination and election of AC members. The election process is administered by the ARIN Member Services Department. The position which will open next year is currently held by Louis Lee.

### NRO Number Council Election and Appointment Overview

Each year, the ARIN community makes nominations to fill one vacant seat on the NRO Number Council. The open call for nominations occurs at the same time as nominations for the ARIN elections. Elections are held online for ARIN General Members in good standing seven (7) days prior to the Public Policy Meeting. In addition, all NANOG and ARIN meeting attendees, regardless of ARIN membership status, are eligible to vote onsite during the meeting.

## 2006 Election Calendar

Action	Date
BoT Nomination Committee Volunteers Solicited	Thursday, 6 July
NRO NC and BoT/AC Call for Nominations	Friday, 14 July
NRO NC and BoT/AC Nominations Close	Tuesday, 15 August
Initial Slate of NRO NC and BoT/AC Candidates Announced; Call for BoT Petitions	Thursday, 7 September
BoT Petitions Close	Thursday, 28 September
Final NRO NC Candidates Announced	Monday, 2 October
Final BoT/AC Candidates Announced	Tuesday, 3 October
NRO NC Online Elections Open	Wednesday, 4 October
NRO NC Onsite Elections for NANOG Meeting Attendees (09:00 - 17:00 ET)	Tuesday, 10 October
ARIN Public Policy Meeting Day 1	Wednesday, 11 October
NRO NC Onsite Elections for ARIN Meeting Attendees (09:00 - 17:00 ET)	Wednesday, 11 October
NRO NC Online Elections Close	Wednesday, 11 October
ARIN Public Policy Meeting Day 2	Thursday, 12 October
NRO NC Representative Announced	Thursday, 12 October
ARIN Members Meeting	Friday, 13 October
BoT/AC Elections Open	Friday, 13 October
BoT/AC Elections Close	Friday, 20 October
BoT/AC Representatives Announced	Friday, 27 October
BoT/AC/NRO NC Representative Terms Begin	Monday, 1 January 2007

*BoT = Board of Trustees*

*AC = Advisory Council*

*NRO NC = Number Resource Organization Number Council*

### All Election Information is Available at:

<http://app.arin.net/election/>

## ARIN Review

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