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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.

ARIN XVIII Report

ARIN XVIII was held in St. Louis, Missouri, from 11-13 October. Held back to back with NANOG 38, the meeting proved to be quite successful and included in-depth policy discussions, technical presentations, and a great deal of participation by a broad cross-section of the ARIN community.

The ARIN XVIII meeting reports contain the presentations given at the meetings, an archive of the video webcast, summaries of agenda items and subsequent discussion from those in attendance and participating remotely, and a transcript of discussions at the meetings. It is available at http://www.arin.net/meetings/minutes/ARIN_XVIII/.

The meeting drew 169 total attendees, including approximately 45 first-time attendees and 103 attendees who also attended NANOG 38.

ARIN would once again like to extend thanks to the ARIN XVIII network connectivity sponsor SAVVIS, Inc, the Center for the Application of Information Technology (CAIT) at Washington University in St. Louis' School of Engineering and Applied Science for its partial sponsorship of the Cyber Café, and Cisco for its sponsorship of the "Networking with IPv6" workshop held on Sunday for both ARIN and NANOG attendees.

A status report on the policies discussed at ARIN XVIII is available on page 5.



ARIN and ISPCON

ARIN Engages in Outreach Effort at Major ISP Gathering

From 7-9 November, ARIN participated at ISPCON in Santa Clara, California. ISPCON is one of the largest conferences in the United States for Internet Service Providers and offers panel discussions, workshops, keynote speakers, and an exhibit hall. The Fall 2006 ISPCON attracted approximately 2,500 attendees from ISPs, web hosting companies, hardware and software vendors, consulting firms, and other areas of the IT sector.

ARIN's goal was to provide information on its open and transparent policy development process and to encourage attendees to become involved. Attendees came from both large and small organizations; some were ARIN members, while some others had only cursory knowledge of ARIN's operations.

Richard Jimmerson, Director of External Relations, spoke as part of a panel called "Opportunities in IP: A Roundtable on IPv6, Domains, NANP and You," where he discussed ARIN's allocation practices and provided information on the open policy process. Richard answered several attendees' questions on ARIN's IPv6 allocation policies and overall statistics.



See ISPCON, Page 6

Future Internet Community Meetings

NANOG 39

4-7 February
Toronto, Ontario

Joint Techs Workshop

11-14 February
Minneapolis, Minnesota

APRICOT 2007

21 February - 2 March
Bali, Indonesia

APNIC 23

26 February - 2 March
Bali, Indonesia

IETF 68

18-23 March
Prague, Czech Republic

ICANN

26-30 March
Lisbon, Portugal

ARIN XIX

22-25 April
San Juan, Puerto Rico

AfriNIC 6

2-3 May
Abuja, Nigeria

RIPE 54

7-11 May
Tallinn, Estonia

Updates to this calendar can be found at <http://www.arin.net/meetings/calendar.html>

Internet Community Meeting Reports

NANOG 38

8-10 October
St. Louis, Missouri

ARIN staff attended the NANOG 38 meeting, which was held 8-10 October in St. Louis, Missouri. This meeting featured tutorials, a community meeting, BoFs, and plenary sessions.

Tutorial topics included BGP multi-homing and disaster recovery. A number of technical presentations were made on a broad variety of topics including "Peering Dragnet: Examining BGP Routes Received from Peers" and "PHAS - A Prefix Hijack Alert System." There was much participation in "lightning talks," where any attendee can make a very short presentation or speech on any topic relevant to the NANOG audience.

Presentations of particular interest to the ARIN community were several on BGP, multi-homing issues in IPv6, and X.509 Certification of RIR Resource Allocations.

<http://www.nanog.org/mtg-0610/>

Internet Governance Forum

30 October - 2 November
Athens, Greece

During the inaugural Internet Governance Forum (IGF) in Athens, 30 October - 2 November, participants gathered to discuss the overall theme of Internet Governance for Development, with capacity building as a cross-cutting priority. IGF explored four main themes of openness, security, diversity, and access in main sessions and various

workshops.

Two members of the NRO Executive Committee, Adiel Akplogan (AfriNIC) and Raul Echeberria (LACNIC), were part of the Advisory Group that helped to coordinate the IGF, including setting the agenda and participating in discussions leading up to the IGF. In addition, Adiel Akplogan spoke at the closing ceremony, where he defended the spirit of multistakeholder participation and the relevance of capacity building.

Throughout the event, NRO representatives met IGF participants and exchanged knowledge, experience, and views on Internet activities.

Information on NRO participation at IGF can be found at:

<http://www.nro.net/governance/igf-participation-info.html>

For details on the IGF in general, please see:

<http://www.intgovforum.org>

IETF 67

5-10 November
San Diego, California

The 67th IETF meeting was held from 5-10 in San Diego, California. Working group discussions of interest to the ARIN community included:

- The Site Multihoming by IPv6 Intermediation (SHIM6) Working Group, where discussion covered the working group's last call on the base protocol specification documents, and reviewed progress with related drafts,

as well as the status of an implementation of SHIM6. It was proposed that the working group will not meet at IETF 68, and tentatively planned to meet at IETF 69 so that the community can gain experience with the base shim6 specification and implementations and develop additional feedback.

- At the IPv6 Operations (v6ops) Working Group, there was discussion of seven Internet Drafts (IDs), five of which were approaching last call, and two that were ongoing items. IDs approaching last call featured such notable topics as using IPsec to secure IPv6-in-IPv4 tunnels and IPv6 Unicast address assignment considerations.
- In the Cross Registry Information Service Protocol (crisp) Working Group there was discussion of feedback received for several documents, all related to Internet Registry Information Service (IRIS), that went through IETF last call and the proposed edits. It was noted that with the exception of a few last administrative tasks, the work of the working group is complete and that it should not need to meet again.
- In the Securing Inter-Domain Routing (SIDR) working group meeting, items covered included the progress with the charter milestones, the resource certificate profile and the initial considerations regarding routing origination attestations. There was also a discussion of route origination attestation.

Reports on the proceedings at IETF 67 are available at:

<http://www3.ietf.org/proceedings/06nov/index.html>

AfriNIC 5

29 November - 1 December
Port Louis, Mauritius

AfriNIC held its 5th public policy meeting in Mauritius from the 29 November to 1 December. It was attended by 120 delegates from 35 countries. This meeting was held in tandem with the second African IPv6 conference. In his opening remarks, the Minister of IT and Telecommunications of Mauritius called for greater participation of all stakeholders in Africa in Internet governance.

A significant outcome of this meeting was the establishment of two new working groups: the first one on the spam issue to support African operators and policy makers to address in a coordinated way this issue within Africa, and the second one on the 6Mandela Project to raise awareness on IPv6 in Africa.

Discussions were held on a proposed policy for IPv6 assignment to end-users. There was no consensus on the proposal, and it was concluded that discussion would continue on AfriNIC's policy discussion mailing list.

ICANN

2-8 December
São Paulo, Brazil

ICANN's meeting was held in São Paulo, Brazil from 2-8 December, with over 720 delegates from 90 countries taking part in ICANN's 27th International Meeting. As this was ICANN's official Annual Meeting, elections of key office holders including the Chairman and the Vice Chair were held. Vint Cerf was re-elected as Chairman and Mr. Roberto Gaetano was elected as Vice Chair.

A highlight during the week was the formation of the Latin America - Caribbean RALO, which has seen twenty-two Internet user groups from across the region come together to form a group that represents Internet users. In the area of Internationalized Domain Names (IDNs), there was a Board resolution requesting the ccNSO and the GAC through a joint collaborative effort, in consultation with the technical community, to produce an issues paper relating to the selection of IDN ccTLDs associated with ISO 3166-1 two letter codes.

Other outcomes from the São Paulo meeting were:

- Approval of the strategic plan for 2007-2010. The strategic plan is intended to describe issues that ICANN is likely to face in the near future and outlines five strategic objectives for the ICANN community.
- Adoption of a schedule for periodic reviews of ICANN's structure and operations. These reviews are intended to ensure an independent examination of the role and operation of key elements of ICANN. They will be conducted in an objective way by independent evaluators, under guidance from the Board on the review's terms of reference.

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

NRPM version 2006.3 - New Policy Implementation

On 16 November, the ARIN Board of Trustees, based on the recommendation of the Advisory Council and noting that the Internet Resource Policy Evaluation Process had been followed, adopted the following policy proposal:

2006-2: Micro-allocations for Internal Infrastructure

This policy proposal has been incorporated into version 2006.3 of the ARIN Number Resource Policy Manual (NRPM) which went into effect 20 December 2006. NRPM version 2006.3 supersedes previous versions. See Appendix A of the NRPM for information regarding changes to the manual.

Micro-allocation guidelines can be found at:

http://www.arin.net/registration/guidelines/micro_alloc.html

The NRPM can be found at:

<http://www.arin.net/policy/nrpm.html>

Appendix A can be found at:

http://www.arin.net/policy/nrpm_changelog.html

ASO Call for Nominations for ICANN Board Seat

In compliance with the ASO MoU and ICANN Bylaws, the Address Council calls for nominations to the ICANN Board to fill the ASO seat currently held by Raimundo Beca, whose term expires in June 2007. This nomination period will close on 21 February 2007.

Details on the Call and nominating procedures can be found on the ASO website at:

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

ARIN Board of Trustees Actions

The ARIN Board of Trustees met on 11 and 26 October 2006.

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

- Accepted the draft budget for 2007
- Confirmed the results of the 2006 ARIN Board of Trustees and Advisory Council Elections.
- Agreed that ARIN would participate in the Postel Network Operator's Scholarship in conjunction with NANOG.
- Discussed ICANN's "Affirmation of Responsibilities for ICANN's Private Sector Management" document.

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 20 October and 2 and 16 November 2006.

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

- Policy Proposal Actions -- see page 6
- Continued work on policy proposals under discussion
- Finalized a report on Best Common Practices (BCP) document examining multi-homing in IPv6.
- Discussed PPML polling
- Expressed a desire to work with the author of three policy proposal submissions dealing with authentication methods between ARIN and its customers, prior to formally accepting them as numbered proposals.

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

Did you know . . .

that ARIN provides an RSS feed of its website announcements? It is available at:
<http://www.arin.net/announcements/rss.xml>

Active and Recent Policy Proposal Status Report

Policy Proposals Discussed at ARIN XVIII

Policy discussions at ARIN XVIII involved proposals initially 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 31 December 2006.

Policy Proposal Number	Policy Proposal Title	Advisory Council Action	Board Action
2006-1	Residential Customer Privacy	Abandoned	
2006-2	Micro-allocations for Internal Infrastructure	Recommended Adoption	Ratified
2006-3	Capturing Originations in Templates	Recommended Adoption	Ratified
2006-6	Bulk WHOIS agreement expiration clarification	Withdrawn by Author	

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

- 2006-2: Micro-allocations for Internal Infrastructure - Implemented 20 December 2006 in NRPM ver. 2006.3.
- 2006-3: Capturing Originations in Templates - Expected to be implemented no later than 30 March 2007.

Active Policy Proposals and Proposal Submissions

The following policy proposal has been submitted and accepted by the ARIN Advisory Council as a formal proposal:

2006-7 “Changes to IPv6 initial allocation criteria”
http://www.arin.net/policy/proposals/2006_7.html

In addition, three proposals have been submitted that deal with authentication methods between ARIN and its customers. The ARIN Advisory Council is working with the proposal authors in advance of accepting them as formal numbered proposals. Information about these submissions can be found at:

http://www.arin.net/policy/proposals/submission_archive.html

Policy proposals are open for discussion on PPML. Each of the formally accepted policy proposals has been 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

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/.

ISPCON, from Page 1

ARIN also set up a booth in the exhibit hall. Staff members distributed several documents, including an overview of how to get resources from ARIN, an "IPv6 and ARIN" brochure, the Adventures of Team ARIN comic book, and information sheets about ARIN and how to get involved in its activities. The booth featured continuous multimedia presentations on the history of the RIRs, information on the Number Resource Organization, and the new ARIN meetings video.

Staff members from Registration and Member Services were on hand to answer questions about ARIN, and its operations, policies, and practices. Registration Services staff members were especially in demand, answering questions about how to qualify for address space, how to interpret specific policies, and current statistics involving IPv4 exhaustion rates and the status of IPv6.

An on-site survey revealed that while most attendees were at least somewhat familiar with ARIN, most do not participate in the policy process. A follow-up e-mail from Member Services to the survey respondents urged their participation and invited them to join the Public Policy Mailing List and to attend ARIN's meetings.

Activities at ISPCON were a successful way to reach out to the community. We look forward to participating in the next ISPCON event in Orlando in May 2007.

ARIN XVIII Survey Raffle Winners Announced

Congratulations to Bill Fumerola and John Knowles, winners of the ARIN XVIII Meeting Survey Raffle! Their names were randomly selected from those entries submitted by completing the ARIN XVIII survey.

Bill received a T.One 8GB USB Microdrive. and John received a Linksys Etherfast Cable/DSL Firewall Router. Thanks to Shaw Communications for providing the Firewall Router as a prize.

Thank you to everyone for participating in the meeting and for responding to the survey. The feedback provided is valuable to improving future meetings.

Transfer Fee Waiver Expiration

At the direction of the ARIN Board of Trustees, on 31 December, the waiver of the initial fee for the transfer of Internet number resources expired. The relevant Board of Trustees meeting minutes are available at:

<http://www.arin.net/meetings/minutes/bot/>

ARIN will continue to waive the initial fee for any transfer that was submitted in 2006, regardless of when the transfer was approved or processed. However, following existing procedures, ARIN staff will close any tickets that have not been responded to after ninety (90) days and transfer approvals will remain valid for sixty (60) days.

For approved transfer requests received on or after 1 January 2007, the initial transfer fee is \$250 USD.

New Policy Implementation - 4-Byte AS Number

On 30 August, the ARIN Board of Trustees, based on the recommendation of the Advisory Council and noting that the Internet Resource Policy Evaluation Process had been followed, adopted the following policy proposal:

2005-9: 4-Byte AS Number

Per the implementation schedule contained in the policy (NRPM Section 5.1), commencing 1 January 2007, ARIN will process applications that specifically request 32-bit AS Numbers. Templates are available online and acceptable for submission.

Guidelines for requesting an AS number can be found at:

<http://www.arin.net/registration/guidelines/asn.html>

The AS number template, along with the other templates, can be found at:

<http://www.arin.net/registration/templates/>



Save the Date!

ARIN XIX • 22-25 April 2007

Please mark your calendars now to join your colleagues at ARIN XIX in San Juan, Puerto Rico. The meeting will take place at the Condado Plaza Hotel 22-25 April 2007. Hotel reservation information will be available soon on the ARIN website. Meeting registration will open in late February.

ARIN holds open, biannual Public Policy and Members Meetings. ARIN invites the Internet community to contribute to Internet number resource policy discussions, network with colleagues, and attend workshops and tutorials. Community participation is the basis of the ARIN policy development process.

Sponsorship opportunities are still available.

Questions? E-mail info@arin.net

2006 Election Results

ARIN Board and Advisory Council

Scott Bradner and John Curran have been re-elected to the ARIN Board of Trustees. Each will serve a three-year term commencing 1 January 2007. The ARIN Board of Trustees congratulates Scott and John and looks forward to working with them.

The Board wishes to thank Jeremy Kinsey, Chris Russell, and Derek Wise for their participation as candidates in the election, and encourages their continued participation in the ARIN community.

ARIN would also like to congratulate the following individuals on their election to the ARIN Advisory Council: Leo Bicknell, Lea Roberts, Robert Seastrom, Heather Skanks, and Stacy Taylor. Each will serve a three-year term beginning 1 January 2007.

The ARIN Board of Trustees wishes to thank Owen DeLong, Andrew Dul, Aaron Dudek, Mark Kusters, and Michael Lambert for their participation as candidates in the election and looks forward to their continued involvement in ARIN's activities.

Additional information about these elections can be found at:

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

Number Resource Organization Number Council

ARIN is pleased to announce Louis Lee has been re-elected to the Number Resource Organization (NRO) Number Council from the ARIN region. He will serve another three-year term beginning 1 January 2007. Information on the NRO Number Council can be found at:

<http://www.nro.net/about/number-council.html>

RIR Comparative Policy Overview Update

The RIR Comparative Policy Overview, available from the NRO website at <http://www.nro.net/policy/index.html>, was updated with information as of 18 January 2007.

This document provides a reference for the community to review the policy highlights of the RIR system. For specific policy statements in place in each RIR region, you are encouraged to visit the individual RIR policy page links at the bottom of the URL provided above.

The NRO at ITU Telecom World in Hong Kong, China

The ITU Telecom World took place in Hong Kong, China, from 4-8 December. The NRO participated in the Internet Pavilion, part of the Exhibition Hall related to the meeting. The Internet Pavilion was co-sponsored by the NRO, ICANN, and ISOC.

Through the Internet Pavilion, the NRO worked with Telecom World participants to promote a greater understanding of the existing open and transparent bottom-up development processes of the Internet technical community.

The NRO display in the Internet Pavilion included:

- Multimedia presentations on Regional Internet Registry (RIR) history, the NRO, and IP addressing and routing
- An NRO fact sheet available in six official United Nations languages (Arabic, Chinese, English, French, Russian, and Spanish)
- Brochures and fact sheets on technical and RIR-specific issues
- Newsletters, articles, and other documentation

The Internet Pavilion was an initiative of a number of the key organizations that are, among many other industry partners, responsible for both day-to-day management and policy development in the Internet sphere.

The Internet Pavilion aimed to facilitate an understanding of why a collaborative and cooperative governance model is essential both to the success of the Internet and the development of the Information Society. For additional information or to view the presentations and materials available at the booth, please visit:

<http://www.nro.net/governance/itu-exhibition-info.html>



Have something to contribute?

Got something on your mind? Looking to share your ideas on ARIN's policies regarding Internet number resources? Subscribe to the Public Policy Mailing List (PPML).

PPML provides a forum to raise and discuss policy-related ideas and issues surrounding existing and proposed ARIN policies. The PPML list is an intrinsic part of ARIN's Internet Resource Policy Evaluation Process, which details how proposed policies are handled.

Information on how to subscribe and a link to the mailing list archives is available at:
http://www.arin.net/mailling_lists/

ARIN Review

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