ARIN American Registry for Internet Numbers

**2005
Second Quarter**

In This Issue

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.

Report from ARIN XV

ARIN stakeholders and NAv6TF community hold joint meeting

ARIN and the North American IPv6 Task Force (NAv6TF) were pleased to hold a first-ever joint meeting, April 17-21, 2005, in Orlando, Florida. This unique event married the missions of the sponsoring organizations, facilitating information and educational outreach in the area of IPv6. With 150 attendees, and approximately 50 of them attending an ARIN meeting for the first time, the combined meeting was a great success.

On Sunday, April 17, ARIN and NAv6TF held tutorials and an Open Policy Hour. Monday, April 18 - Wednesday, April 20, included the ARIN Public Policy Meeting, the NAv6TF Summit, and the ARIN and NAv6TF Members Meetings. Thursday, April 21, was devoted entirely to NAv6TF Summit activities.

All attendees were invited to attend exciting social events, including the annual Foosball Tournament on Sunday evening and a social on Monday night. Attendees also were able to find out about IPv6 technologies in the Exhibitor Hall.

The meeting minutes, presentations, and webcast archives from the meeting are all available at:

http://www.arin.net/meetings/minutes/ARIN_XV/

An update on policy proposals discussed at the meeting is available on **Page 4**.

Tutorials

The ARIN tutorials on Sunday, April 17, included an introductory session titled "Getting to Know ARIN," given by ARIN President and CEO Ray Plzak, "Managing the Policy Process,"

On the Report from the Working Group on Internet Governance

By Raúl Echeberría

The Working Group on Internet Governance (WGIG) has completed its task. Its final report was presented in Geneva on Monday, July 18, 2005. The first conclusion that can be extracted from this process is that the existence of the group itself is of the utmost importance. It has been an unprecedented experience which, in my opinion, establishes a point of no return in terms of the evolution of multistakeholder models based on the participation of all interested parties.

The existence within the framework of the UN of discussion processes of this nature,

Upcoming Internet Community Meetings

ICANN
July 11-18
Luxembourg City, Luxembourg

IETF 63
July 16-23
Paris, France

APNIC 20
September 6-9
Hanoi, Vietnam

NA IPv6 Tech. Conf. 1
September 19-22
San Jose, California, US

RIPE 51
October 10-14
Amsterdam, the Netherlands

NANOG 35
October 23-25
Los Angeles, California, US

ARIN XVI
October 26-28
Los Angeles, California, US

Updates to this calendar can be found at:

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

Internet Community Meeting Reports

ICANN
April 4-8
Mar del Plata, Argentina
The Internet Corporation for Assigned Names and Numbers (ICANN), held its first meeting of 2005 in Mar del Plata, Argentina from April 4-8, 2005.

At this meeting, representatives from ICANN discussed the organization's Strategic Plan, and Internet Governance with respect to the International Telecommunication Union (ITU).

The World Summit on the Information Society (WSIS), again held a workshop where different constituencies of the Internet community were given an opportunity to raise concerns and issues. *The Economist*, in its April 16, 2005 article, summarized the debate: "*In the end, although no one is particularly satisfied with the job being done by ICANN, its best defense is that the main alternative -- handing over the Internet's critical infrastructure to an intergovernmental cacophony -- would surely be worse.*"

The highlight of the meeting was AfriNIC's formal recognition as the fifth Regional Internet Registry (RIR). A statement by ICANN declared: "Full recognition of AfriNIC as the fifth Regional Internet Registry, dedicated to the allocation of numbering resources for the Africa region."

Ray Plzak, as the NRO representative, stated the following: "*We recognize the importance . . . that there is now a continent-wide voice in Africa for the development of the Internet. And to this, we will continue to provide support to you. And so on behalf of the staffs of all of the RIRs and the NRO, welcome.*"

Also, ICANN amended the ASO MoU to allow for: "Adopting the appropriate bylaws to support the new ASO structure and relationship with ICANN, between ICANN and the NRO."

http://www.icann.org/meetings/mardelplata/

AfriNIC - 2
April 26-27
Maputo, Mozambique
More than 100 attendees participated in the AfriNIC-2 meeting in Maputo, Mozambique. This was the first AfriNIC meeting to be held following AfriNIC's formal recognition by ICANN as the fifth Regional Internet Registry. At this meeting APNIC, ARIN, and the RIPE NCC signed letters transferring to AfriNIC formal authority of the parts of the region they had previously served, including all registration and accounting documentation and DNS administration. AfriNIC also became an official member of the NRO at this meeting by signing a joinder to the NRO Memorandum of Understanding.

Other highlights from AfriNIC-2 include the election of AfriNIC region Number Resource Organization Number Council (NRO NC) members, discussion of proposed policies, an election to fill vacant seats of the AfriNIC Board, and adoption of the 2005 fee schedule and budget.

http://www.afrinic.net/meeting/afrinic-2/

RIPE 50
May 2-6
Stockholm, Sweden
The RIPE 50 meeting took place May 2-6, 2005, at the Clarion Hotel, Stockholm, Sweden. More than 375 participants attended the meeting.

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Highlights from the meeting include:

• RIPE used a new format for this meeting: three days of operational and technical content followed by two days of policy issues.

• The RIPE Address Policy Working Group volunteered to use the new draft Policy Development Process which had been posted to final call shortly before RIPE 50 began.

• There was much discussion of IPv6, including suggestions to change the HD-ratio as well as a recommendation to formally address the demands of RFC3177, particularly the /48 recommendation.

http://www.ripe.net/ripe/meetings/ripe-50/

NANOG 34
May 15-17
Seattle, Washington, US
The spring 2005 NANOG meeting was held May 15-17 in Seattle, Washington. Tutorials held on Sunday afternoon included topics such as "Bridges, Routers, and Switches," "BGP Techniques for Service Providers" and a Birds-of-a-Feather session on "BGP Analysis Tools."

Merit Network, Inc., which organizes NANOG, also held a session on Sunday evening to discuss NANOG reform as a follow-up on discussions that began at the last NANOG meeting in Las Vegas. It was a well-attended session where participants provided Merit with input and feedback on the topics of reform and financial reporting.

The general sessions began on Monday with the opening presentation given by Ray Plzak, ARIN's President and CEO, about the current status of the World Summit on the Information Society (WSIS) and how it will affect the network operator community. This topic was well received and generated discussion and questions from the community.

http://www.nanog.org/mtg-0505/index.html

LACNIC VIII
June 27-30
Lima, Peru
LACNIC VIII was a four-day event that included tutorials, joint meetings with several organizations, and culminated with the Public Policy Forum.

The Monday tutorial offerings were "IPv6 Startup" and "DNSSEC & IPv6." On Tuesday, LACNIC sponsored the Fourth Annual Latin America NAPs Regional Meeting (NAPla2005). The Members Meeting was held on Wednesday morning, followed by the Latin America and the Caribbean IPv6 Task Force Meeting and Flip-6, the third Latin American IPv6 Forum. Thursday's Public Policy Forum opened with updates by the RIRs and a presentation of joint RIR statistics.

Ray Plzak, ARIN President and CEO, presented both an ARIN update and an NRO update. The following policy proposals were discussed: IPv6 Allocations from IANA to the RIRs, Internet Resources Recovery Policy, and an Additional Allocation to Regional ISP Policy. General discussions were also held on network security and IPv6 space management. The meeting concluded with a presentation on the WSIS process and the election of Francisco Obispo to serve on the NRO NC beginning January 1, 2006.

http://lacnic.net/en/eventos/lacnicviii/

AfriNIC Recognized as Fifth Regional Internet Registry

On April 8, 2005, ICANN officially recognized AfriNIC as the fifth Regional Internet Registry (RIR). AfriNIC's recognition took place during the ICANN Board meeting in Mar del Plata, Argentina.

The ICANN Board resolution is available from the ICANN website at:

http://www.icann.org/minutes/resolutions-08apr05.htm

ARIN celebrates this event and welcomes AfriNIC to the Regional Internet Registry community.

For general information on AfriNIC, please visit its website at:

http://www.afrinic.net

AfriNIC
The Internet Numbers Registry for Africa

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given by ARIN Policy Analyst Einar Bohlin, and of particular interest to attendees of this joint meeting, a session presented by ARIN Senior IP Analyst David Huberman titled "Getting IPv6 address space from ARIN is easier than you think." The day concluded with an "Open Policy Hour," where the major topic of discussion was a presentation titled "Community-Provided Technical Guidance to ARIN." Copies of the presentations from these sessions are available at:
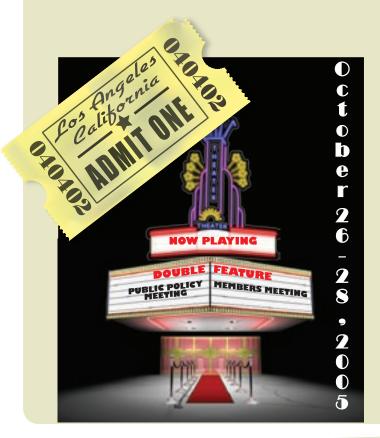
http://www.arin.net/meetings/minutes/ARIN_XV/tut.html

Presentations from the NAv6TF Summit tutorials are available at:

http://www.nav6tf.org/html/nav6tf_events.html

ARIN XVI in Los Angeles!

The ARIN community is cordially invited to Los Angeles, California for ARIN XVI! The meeting will be held October 26-28, directly after NANOG 35. Hotel information will be posted in late July, with meeting registration, a draft agenda, and additional information to follow.

Policy Proposal and Implementation Report

ARIN XV Policy Proposals

The following are the recommendations on active policy proposals, as reported by the Advisory Council during the ARIN XV Members Meeting.

Recommended Adoption and Move to Last Call

- 2004-3 "*Global Addresses for Private Network Interconnectivity*"
- 2004-8 "*Allocations of IPv6 Space by IANA to the RIRs*"
- 2005-3 "*Lame Delegations*"

Work to Amend

- 2005-1 "*Provider Independent IPv6 Assignments for End-sites*"
  - AC will work with the author, revise, and bring back to the community for further debate, discussion, and review.
- 2005-2 "*Directory Services Overhaul*"
  - AC will work with the author, revise, and bring back to the community for further debate, discussion, and review.

Current Status of Active Proposals, as of June 16, 2005:

Adopted and Awaiting Implementation

- 2004-3 "*Global Addresses for Private Network Interconnectivity*"
- 2004-5 "*Address Space for Multiple Discrete Networks*"
- 2004-8 "*Allocations of IPv6 Space by IANA to the RIRs*"
- 2005-3 "*Lame Delegations*"

Under Discussion

- 2005-5 "*IPv6 HD ratio*" (NEW)
- 2005-4 "*AfriNIC Recognition Policy*" (NEW)
- 2005-1 "*Provider Independent IPv6 Assignments for End-sites*"
- 2005-2 "*Directory Services Overhaul*"

Policy Suspension

Section 4.8 *Policy for the African Portion of the ARIN Region*, of the ARIN Number Resource Policy Manual was suspended effective April 18, 2005.

On March 8, 2005 the ARIN Board of Trustees accepted the recommendation from the ARIN Advisory Council to suspend section 4.8 of the Number Resource Policy Manual upon ICANN's recognition of AfriNIC as an RIR. On April 8, 2005 ICANN granted AfriNIC formal recognition as an RIR.

Formal removal of section 4.8 from the NRPM is under consideration as Policy Proposal 2005-4 "AfriNIC Recognition Policy."

2005 ARIN Elections

Election Schedule Changes

The election schedule for 2005 includes an earlier nomination period and a revised petition process for Board seats. The complete election schedule is online at:

http://www.arin.net/elections/elec_calendar.html.

DMRs

All General Members in good standing are eligible to vote in this year's election. You must have a designated member representative (DMR) with a name and personalized e-mail address on record with the Member Services Department in order to cast your vote. Contact us at **memsvcs@arin.net** to make sure you'll be eligible in October!

Nomination Committee

The Nomination Committee is responsible for identifying, recruiting, and certifying a properly selected slate of candidates for the ARIN Board of Trustees to be placed in nomination before the General Membership for election. This year's members are: Bill Manning (Chair), Scott Bradner, Dave Diller, Alec Peterson, Rob Seastrom, Scott Shackelford, and Jason Warren.

Call for Nominations

On May 2, ARIN issued a call for nominations to fill two (2) seats on the Board of Trustees and five (5) seats on the Advisory Council that will become vacant at the end of 2005. All designated member representatives from ARIN's General Members in good standing are eligible to vote in this year's election for Board and AC members.

The Board seats opening are currently held by David Conrad and Bill Woodcock. The AC seats opening are currently held by Bill Darte, Andrew Dul, Alec Peterson, John Sweeting, and Suzanne Woolf.

On May 3, ARIN issued a call for nominations to fill one (1) seat on the NRO Number Council that will become vacant with the expiration of Lee Howard's term on December 31, 2005. This year, the current ARIN Board will appoint a member to the NC from among the eligible nominations. All are welcome to make nominations.

New terms will begin on January 1, 2006. Currently seated Board and AC members may be reelected. Information about the election process is available at:

http://www.arin.net/elections

Important Election Dates

July 29: Nomination period closes

August 18: Initial candidate slate; call for Board petitions

October 13: Final candidate slate

October 26-27: ARIN Public Policy and Members Meetings

October 27: NRO NC member appointed by Board and announced during ARIN XVI

October 28: ARIN Members Meeting; Board and AC candidates invited to present their qualifications during the meeting

October 28 - November 4: Online Board and AC voting for ARIN members in good standing

November 11: ARIN President announces Board and AC election winners

with open working methodologies, organization of public consultation meetings, calls for comments through the Internet, publishing of meetings' scripts and even webcasting represents a historical landmark that will set the foundations for future work not only in the fields of Internet or Information Society, but also for discussion processes in other areas, for which it will surely be an extremely important precedent.

Another important aspect that must be considered is that the WGIG process has made available clearer information about how the existing governance systems work in relation to the different components of Internet, and it has enabled the participation of a larger number of people and organizations, and also the involvement of more governments in the debate.

From this point of view, the situation is much improved as compared to the situation that existed before the WGIG began working.

As to the results obtained by the working group, there are some highly relevant conclusions which are highlighted in the following paragraphs:

1) The group has focused on recommendations relating to the policy development level, and not on those relating to the operational level. This implies the existence of a shared vision in the sense that the technical-operational aspects of Internet are working correctly and therefore, from the point of view of Internet stability and robustness, it would be advisable not to introduce any important changes.

2) A broad vision of Internet Governance is consolidated, with the identification of a series of important issues that stretch beyond domain name administration, IP address allocation or the root server system.

3) One of the recommendations included in the report is very strong, in the sense that no particular government must exercise an oversight role over any Internet Governance component. This implies the conviction that the current situation, in which the United States government has certain specific roles and special prerogatives, both in the oversight of ICANN's functions as well as the root server system, cannot continue.

4) The creation of a global discussion forum is recommended, with the participation of all the interested parties, a forum which would be highly positive in order to achieve better coordination among the existing organizations (both governmental and intergovernmental) and to discuss the issues that are not being considered by any specific organization. This forum would allow the different actors to efficiently follow the international discussion agenda in relation to Internet Governance issues. This is very important for everyone, perhaps even more so for civil society organizations, as they usually have less resources to participate in all of the existing organizations and processes.

If this forum functions efficiently, it will constitute a platform for the creation of initiatives and working groups on specific matters.

Although it would have been impossible for the WGIG report to consider every point of view and therefore some may believe it to be incomplete or insufficient, the agreements which have been achieved must not be underestimated. If during the period of negotiation between governments, which is now beginning until the November summit, we could agree and give concrete form to those points we have mentioned, we would find ourselves faced with a very favorable situation, where transcendental changes in the history of Internet would be decided.

The WGIG report does not include any consensual recommendation regarding one of the most controversial issues: the need of having oversight over Internet resource administration or the lack thereof. For this there are four proposals. One of the positions (identified as Model 2) establishes that it is not necessary to create a specific organization to exercise this oversight. This proposal is based on the fact that the implementation of the principles that were agreed during the first phase of the summit (transparency, multi-stakeholderism, openness, democracy, and participation) in the different organizations involved in Internet Governance, together with the existence of the new forum, would already allow the community to exercise oversight in a natural manner, based on transparency, and that therefore it would be unnecessary to establish new organizations for this specific purpose.

The other three options present different levels of government involvement in the oversight of the functions mentioned above, anging from mild to strong involvement of governments in the development of policies relating to the administration of Internet resources.

The report is positive from the point of view of the addressing community, as there is an implicit acknowledgement that the current systems are functioning correctly and it includes only

one recommendation in the sense that allocation policies need to guarantee equal access to numbering resources, specifically relating to IPv6. This concern is widely shared and considered by RIRs and their communities in their daily work.

It is important to highlight that the report talks about "equitable access to the resources" and not "equitable distribution of the resources," as had been mentioned previously on several opportunities by some governments in different documents and public positions. This is a significant change, as the expression "equitable distribution" was extremely imprecise and did not clarify what parameters would have to be used to evaluate said equality (population, economy, Internet penetration, or others)

The negotiation phase leading up to the Tunisia summit is only beginning. We must keep a close eye on this new stage of the process, trying to maintain a good level of participation and ensuring that the voice of the addressing community is represented on a permanent basis.

Raul Echeberria is Executive Director/CEO of LACNIC, the Latin American and Caribbean Internet Address Registry. He also served as a member of the Working Group on Internet Governance.

Migration of ARIN Mailing Lists

During July, ARIN will be converting its public mailing lists from Majordomo to Mailman. As part of this process, ARIN will also attempt to clean up the subscription information for these mailing lists by sending invitations to join.

If you do not respond to the invitation(s), you will no longer be subscribed to the ARIN mailing lists and therefore will not receive any further information sent to these lists.

For more information about Mailman list subscriptions, visit:

http://www.gnu.org/software/mailman/mailman-member/

Thank you for your patience while we migrate our lists. If you have any questions or problems, please e-mail **postmaster@arin.net**.

Transfer Fee Waiver Extended

At its meeting on June 14, 2005, the ARIN Board of Trustees voted to extend the waiver of initial fees associated with the transfer of Internet Number Resources to December 31, 2005. The Board extended this waiver to further assist the efforts of resource holders to ensure that their data is accurate in the ARIN database.

Board of Trustees Report

The ARIN Board of Trustees met on March 8, April 18, and June 16, 2005. The report on March 8 meeting activities are included in this issue as the minutes were not available for the last newsletter.

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

- ARIN Counsel conducted an ethics training session that included topics such as Conflict of Interest, Fiduciary Obligations, and Duty of Loyalty.

- Suspended Paragraph 4.8 of the ARIN NRPM effective the date of the formal recognition of AfriNIC.

- Approved a number of changes to the ARIN Bylaws.

- Ratified Policy Proposals 2004-3, 2004-5, 2004-8, 2005-3 (see Page 4 for additional details).

- Extended waiver of fees paid for registration of transfers, which had been set to expire on June 30, 2005 (see above).

- Reviewed and accepted the 2004 audited financial statements.

NRO Announcements

Activities for the Number Resource Organization (NRO) continued to focus on the World Summit on the Information Society (WSIS) process and the Working Group on Internet Governance (WGIG). The organization also saw the culmination of the effort to create a Regional Internet Registry for Africa, with ICANN's formal recognition of AfriNIC as the fifth RIR in April.

To assist those who may not have been able to follow the announcements from the NRO this past quarter, below is a list of announcements with URLs to the relevant pages.

If you would like to receive these announcements, please visit **http://www.nro.net/interact/** for information on how to subscribe to the nro-announce mailing list. In addition, announcements are available on the NRO website and the three most recent announcements are available on the home page of every RIR.

July 18, 2005
Presentation of the WGIG Report
http://www.nro.net/archive/news/20050719-wgig-report.html

June 17, 2005
NRO comments submitted to ICANN regarding Policy Proposal Review Procedure
http://www.nro.net/documents/nro25.html

June 14, 2005
NRO document presented to the WGIG during its 4th open consultation meeting
http://www.nro.net/documents/nro24.html

May 31, 2005
ICANN call for public comments on updated Proposed Review Procedure for ASO Policy Proposals
http://www.nro.net/archive/news/20050531-icann-call-2.html

April 27, 2005
Transfer of Authority to AfriNIC and Joinder to NRO MoU
http://www.nro.net/archive/news/20050427-afrinic-transfer.html

April 15, 2005
Transfer of Authority to AfriNIC and Joinder to NRO MoU
April 15, 2005
NRO response to WGIG Paper on IP Numbers
http://www.nro.net/documents/nro23.html

April 14, 2005
Adoption of a global policy on IANA Allocation of IPv4 address space to the Regional Internet Registries
http://www.nro.net/archive/news/20050414-gp-adoption.html

April 11,2005
Recognition of AfriNIC as the Fifth Regional Internet Registry
http://www.nro.net/archive/news/20050411-afrinic-final-recognition.html

April 7, 2005
ICANN Calls for Comments on the Proposed Review Procedure for ASO Policy Proposal
http://www.nro.net/archive/news/20050407-icann-call.html

ARIN Review

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NRO