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ARIN Mission Statement Unveiled at Fall Meeting

In an effort to more succinctly describe ARIN to the general public, the Board of Trustees developed the following mission statement based on the Articles of Incorporation:

Applying the principles of stewardship, ARIN, a non-profit corporation, allocates Internet Protocol resources; develops consensus-based policies; and facilitates the advancement of the Internet through information and educational outreach.

ARIN VIII Highlights



One hundred and fifteen attendees participated in three days of meetings and discussion at the ARIN VIII Public Policy and Members meetings, held 29-31 October in Miami, Florida. Full meeting minutes and links to all the presentations are available on the ARIN website at:

http://www.arin.net/minutes/ARIN_VIII/index.html

Below is a list of the prominent meeting discussions, actions and announcements:

Policy Discussions:

See: http://www.arin.net/announcements/2001_policies_lastcall.html

- Policy Proposal 2001-1 (Reassignments /29 to /28) – there was consensus not to change the current policy
- Policy Proposal 2001-2 (multi-homing as justification for /24 reassignments) – majority of attendees in favor of this policy change
- Policy Proposal 2001-3 (IPv6 Micro-assignments) – discussion resulted in agreement that a definition of exchange points was needed before moving forward to adopt this policy, discussion will take place on the ARIN v6 mailing list
- Policy Proposal 2001-4: (Modification of the IPv6 allocation policies) – Presentations of recent APNIC and RIPE discussions were given. Following significant discussion a consensus vote revealed that the proposal should go out to the newly created global IPv6 list for further discussion

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- Policy Proposal 2001-5 (micro-assignments for multi-homed sites) – meeting attendees expressed no interest in this proposal, proposal was dropped
- Policy Proposal 2001-6 (single org with multiple aggregation points) – there was agreement to this proposal pending some additional language modification, consensus that ARIN should make this an option in addition to the current operating procedures
- Policy Proposal 7 (Bulk copies of ARIN WHOIS DB) – the majority of attendees supported this proposal as written

Working Group Actions:

- The RFC 2050 Working Group discussed the need for a document or documents to replace RFC 2050. Attendees were asked to subscribe to the global mailing list that is run by ARIN to help develop a requirements document prior to the January 2002 RIPE NCC meeting <http://www.arin.net/members/mailing.htm>
- Database Working Group discussed the authorization and authentication schemes for the new ARIN database expected to be rolled-out in Q2 2002
- Discussion of policy proposals 2001-5, and 2001-6 took place during the RTMA working group session. Much of the time was spent discussing multiple maintainer ids, and consensus was reached that ARIN must continue to allow for multiple maintainer accounts while moving ahead with an alternative for single organizations with multiple aggregation points

Meeting Announcements

The following announcements were made:

- ARIN will assume the duties as the Secretariat of the ASO on January 1, 2002. This duty is rotated amongst the RIRs.
- RWHOIS
 - A new beta version of RWHOIS should be available by the next ARIN meeting
 - The fix for RWHOIS bug can be found at:
 - <http://www.rwhois.net/>
 - <ftp://ftp.arin.net/pub/rwhois/rwhoisd-1.5.7.2.tar.gz>
- The Board of Trustees announced a 10% reduction in anniversary subscription renewals across the board beginning January 1, 2002
- Eric Decker was announced as the winner of a seat on the ASO AC from the ARIN region, for a three-year term beginning January 1, 2002

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ARIN Board of Trustees Actions

During its December 11 meeting in Salt Lake City, the Board took the following actions:

- Adopted a procedure for nominating and electing ARIN representatives to outside positions
- Moved to create a Finance Committee to function in the areas of finance, investment, and others as directed by the Board
- Approved several bylaws changes:
 - Changed the fiscal year to a calendar year to reflect current operations beginning in 2002
 - Added a new section regarding the approval of Board meeting minutes
 - Modified the language for nomination of Advisory Council candidates so that it more closely resembles the process for Board of Trustees nominations
 - Asked that Policy Proposal 2001-2 and 2001-6 be returned to ARIN staff for language clarification and be presented to the Board in January at its teleconference meeting
 - Adopted Policy Proposal 2001 – 7, Copies of the WHOIS database with minor language change

ARIN Election Results

On-line elections were held November 6-13, 2001 to fill two seats on the ARIN Board of Trustees and six seats on the ARIN Advisory Council. All ARIN member representatives were eligible to cast their company's vote. In addition, an on-line election combined with open on-site voting during the October 29 Public Policy meeting was held to fill a seat from the ARIN region on the ASO Address Council.



Board of Trustees:

3-year terms beginning January 1, 2002

- Lee Howard, MCI/WorldCom
- Bill Manning, ep.net,llc.

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ARIN Advisory Council:

all terms beginning January 1, 2002 for terms as indicated

- Lyric Apted, Verio – 2 years
- John Brown, Chagres Technologies – 3 years
- Sanford George, Los Nettos (USC/ISI) – 3 years
- Dawn Martin, WorldCom/UUNET – 3 years
- Ron da Silva, AOL Time Warner, Inc. – 3 years
- Cathy Wittbrodt, Packet Design – 3 years

ASO AC Representative from the ARIN Region:

3-year term beginning January 1, 2002

- Eric Decker, retired

Internet Community Calendar

[RIPE 41, 14-18 January, 2002 Amsterdam](#)
[AfriNIC BoT, 17 January, 2002 Cairo Egypt](#)
[IPv6 Summit, 23-25 January, 2002 Bangalore, India](#)
[NDSS '02, 7-8 February, 2002 San Diego CA.](#)
[NANOG 24, 10-12 February, 2002 Miami, FL](#)
[13th APNIC Open Policy Mtg., 3-7 March, 2002 Bangkok, Thailand](#)
[ASO General Assembly, 5 March, 2002 Bangkok, Thailand](#)
[ICANN, 10-14 March, 2002 Accra, Ghana](#)
[IPv6 Summit, 13-15 March, 2002 Madrid Spain](#)
[IETF 53rd, 17-22 March, 2002 Minneapolis, MN](#)

Internet Community Meeting Reports

October 1-5 - RIPE 40, Prague, Czech Republic. Much of the discussion during this meeting centered around IPv6 issues. New IPv6 Address Allocation Policy proposals, similar to those made at the APNIC meeting, were presented. These proposals were also presented at the ARIN meeting in Miami, Florida. With no final agreement yet, RIPE NCC together with a small editorial team will draft an interim policy.

A mailing list was created to discuss IPv6 allocation policy on a global level (<mailto:global-v6@lists.apnic.net>). It was agreed that allocations made by RIRs to LIRs should be on nibble boundaries.

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The interim IPv6 Assignments for IXPs policy agreed on before the RIPE meeting was adopted with the modification that the default assignment size to IXPs would be a /48 instead of a /64.

The Database Working Group reported on its database cleanup efforts, the migration to RPSL from RIPE-181 format, and discussed the planning for new functionality for its database. There were requests from the participants to begin considering various extensions to RPSL including IPv6 support.

During the plenary session, Hans Petter Holen was re-elected to serve on the ASO Address Council for another 3-year term.

October 21-23 – NANOG 23, Oakland, California. The tutorials focused on IP routing protocol scalability, ISP security, and BGP multi homing. The general sessions included discussions about DoS attacks, routing table growth, and network management. ARIN offered an open microphone session which began with an introduction of the ARIN Internet Resource Policy Evaluation Process. A summary of the seven policy proposals that were currently being discussed on ARIN public mailing lists was given. NANOG attendees were invited to participate in discussions at the meeting and on the ARIN public mailing lists.

November 12-15 – ICANN, Marina del Rey, California. The latest ICANN meeting was unlike any other ICANN meeting. Because of the events of 11 Sept 01, a special program committee was formed to develop a meeting agenda focused on the security of the Internet in general and the Domain Name System in particular. The first two days consisted of presentations and panel discussions on various topics related to the theme. The rest of the meeting had the usual open microphone sessions and the open Board of Directors meeting. ARIN staff members participated in the discussions related to the development of the ICANN budget for the upcoming fiscal year and in several of the panels. ARIN staff members met with members of the other RIRs to discuss ongoing IPv6 policy issues. ARIN staff had several working meetings with the LACNIC Interim Board to discuss the application of LACNIC to ICANN for recognition as an RIR.

November 27 - CANARIE, Toronto, Canada. CANARIE's 7th Annual Advanced Networks Workshop. ARIN was invited to present an evening BOF to explain its mission, its process for developing consensus-based policy, and to give an overview of its IP Registration services and procedures.

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December 6 - IPv6 Seminar, Ft. Monmouth, New Jersey. Several ARIN staff attended this seminar addressing the next generation Internet protocol (IPv6) and its impact on both the commercial Internet and the military. This one-day seminar was designed for all engineers, supervisors, project leaders, and managers, both Government and contractors, involved in networked communications systems. Speakers included key Government decision makers and industry leaders who presented technical and functional material to benefit anyone interested in successful systems migration to IPv6 and coexistence with legacy systems. Attendees were able to gain a broad understanding of the Next Generation Internet Protocol (IPv6), why it is needed, where it's being implemented now, current Government initiatives and how new features may impact Army systems.

December 9-14 - IETF 52, Salt Lake City, Utah. ARIN staff recently participated in various working group meetings of IETF which were quite productive. During both the DNS Operations and IPv6 [formerly IPNG] working groups, a presentation which set out the various methods for DNS operations with IPv6 generated a good bit of hallway discussion. Of particular interest were the discussions about the transition from ip6.int to ip6.arpa domain. During the Inter-Domain Routing (IDR) Working Group, two inter-operable implementations of a four-octet AS number were noted and discussed as a solution for AS Number depletion. Details of the working group documentation can be found at: <http://www.ietf.org/html.charters/idr-charter.html>

ARIN staff also had the opportunity to meet with representatives of the other RIRs to discuss matters under joint policy consideration, e.g., IPv6 allocation policy and RFC 2050 review. Some technical coordination was held on such matters as wider deployment of co-location equipment and next steps for the Legacy Network Transfer project.

ARIN Support LACNIC Efforts to become an RIR

The Latin American and Caribbean Network Information Center (LACNIC) is the emerging Regional Internet Registry (RIR) for Latin America and portions of the Caribbean. Once LACNIC has obtained approval from the ISPs in their proposed region and they have been formally recognized by ICANN, they will join the existing RIRs (ARIN, APNIC, and RIPE NCC) in providing registration services for IP and AS numbers for their respective region.

ARIN Today

Volume I, Issue 3

memsvcs@arin.net

December 2001

Over the past year ARIN has supported the efforts of LACNIC through various forms of coordination and training. A few of the most notable efforts of the last year include:

- Participation at LACNIC public policy meetings
- Training of LACNIC registration and technical staff
- Assistance in preparing application for recognition to ICANN
- Development of an ARIN to LACNIC transition plan

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LACNIC held their second open public policy meeting in Sao Paulo, Brazil on November 28. During this meeting the LACNIC Interim Board of Directors submitted their formal application to ICANN to be recognized as a RIR. This application will undergo a review process by ICANN as outlined in the ICP-2, ICANN's Criteria for Establishment of New Regional Internet Registries. This document can be found at: <http://www.icann.org/icp/icp-2.htm>.

In concert with ARIN's training commitment and the need for a smooth transition to LACNIC services following their recognition by ICANN, ARIN and LACNIC have commenced a joint review process for IP and AS number applications submitted by organizations that will soon become part of the new LACNIC region. This process will continue until LACNIC has been formally recognized by ICANN as a RIR.

ARIN looks forward to a strong coordination relationship with LACNIC in the future.

ARIN Department Updates

Member Services – Bernadette Mimna is ARIN's new Event Coordinator. In addition to planning the biannual Public Policy and Members meetings, Bernadatte maintains the membership database, responds to e-mail in the member services role account, and will be developing a meeting sponsorship program. For any questions concerning ARIN membership or meeting sponsorship you may contact Bernadette at memsvcs@arin.net or bmimna@arin.net.

Administration -

On January 11, 2002, ARIN staff will move into their new facility, located at 3635 Concorde Parkway, in Chantilly, Virginia. It's roughly two miles from our current location, so our daily commutes will remain about the same! The new



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location is about twice the size of our offices on Daly Drive, or about 15,000 square feet. When we moved into our current location, there were 15 ARIN employees. We have grown to 35 staff members so the additional space will be well-utilized. The new computer room will have ample room for additional equipment and the new racks we have ordered. There will be two conference rooms, an "idea" room and a small library. The kitchen is full of light and bright colors and will be a very pleasant place to have morning coffee and lunch. There is enough extra space to allow for some additional growth over the next few years.

Registration Services & Engineering Departments - New ARIN Database: You've asked for it; we've promised it; it's nearly here!

Over the past year, ARIN has completed the design of its new database and has been industriously preparing the accompanying software. The most significant change is the introduction of an Organization object, which is used to gather together all the information for a specific organization including resources and contacts. It will also allow multiple "maintainers" to be associated under a single parent organization if they so choose.

As a consequence of the various changes to the database schema, ARIN has re-designed the existing templates and developed some new templates. These templates were developed in close cooperation with the Registration Services Department and feedback from the Database Working Group. Many of templates are available on ARIN's ftp site at: <ftp://www.arin.net/pub/proposed/>

ARIN will be introducing its new database and the rest of the new templates in the first quarter of 2002, with cutover to the new system expected at the end of Q2. Watch for announcements via email and on the website.

Training: Flowcharts Provide Quick Reference



New Tutorials now on-line!

Want to know the ABC's of how ARIN allocates or assigns IP address space and AS Numbers? Do you need to transfer IP blocks to your current organization? Visit ARIN's library at:

<http://www.arin.net/docs.html> and explore

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the interactive flowcharts for each one of these processes: "From Registration to Allocation", "From Request to Assignment", Registering an AS Number and Transfer Request. Start by filling out the appropriate template, understand the criteria you must meet for each process, and follow it to the end by submitting billing forms, fees, and ARIN's Registration Services agreement. You will find all the links to ARIN's website on each flowchart to successfully complete each request.

Also Available:

Get to know the ins and outs of Internet policy, procedures, and guidelines through the tutorial ARIN – The Basics, which is located in ARIN's Library, <http://www.arin.net/docs.html>. This tutorial will help newcomers to ARIN understand Global Internet Coordination, ARIN services and its current organizational structure. Newcomers will be able to identify ARIN's role in the industry and explain how IP address space is allocated to ISPs and how blocks of IP Addresses are assigned to end users. It also provides an overview of how AS Numbers are assigned and the entire transfer process of IP address space and AS Numbers.

Registration Services: Top Ten FAQ's

1. *How do I change my organization name?*

You must complete the transfer request template located at:
<http://www.arin.net/regserv/templates/transfer.txt>

2. *What kind of legal documentation is ARIN looking for to complete a transfer?*

Legal documentation consists of an authenticated copy of the instrument(s) effecting the transfer of assets, e.g., bill of sale, certificate of merger, contract, deed, or court decree.

3. *What do I do if I can't get the name of a contact from my upstream to put on the AS Number request?*

You may list the actual Autonomous System Numbers that you will be connecting to in lieu of an actual POC.

4. *What do I put in the POC handle field if I don't have a POC handle?*

Leave the POC handle field blank but fill in all POC information and a POC handle will be created when the template is processed.

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5. *How do I change my server information?*

Directly registered blocks use the modification template located at:
<http://www.arin.net/regserv/templates/modifytemplate.txt>

Reassignments must have their upstream provider submit a swip template to make desired server changes. Important to note: servers cannot be placed on reassignments coming from an allocation of a /16 or larger.

6. *Can I buy IP's from a company that went out of business?*

It should be understood that neither IP addresses nor AS Numbers can be bought or sold. IP addresses and Autonomous System numbers are considered to be a public Internet resource. Thus, if a company goes out of business, regardless of the reason, the point of contact (POC) listed for the IP number does not have the authority to sell, transfer, assign, or give the address space to any other person or organization.

7. *Why is ARIN spamming/hacking my computer?*

ARIN does not send unsolicited e-mail nor do we run port scanners over the Internet. We are a regional Internet registry that provides IP registration services, including maintaining updated IP addressing information through our WHOIS server. ARIN is not the Internet police; however, our WHOIS server may be of some help to you.

To determine who is responsible for the network where the e-mail/attack originated, visit <http://www.arin.net/whois> and perform a query on the IP address of the suspected offender. You can use the links from the page displayed to find contact information on either the upstream provider or the owner of the network causing the offense. This contact is the best place to start looking.

If it is available, you can also use nslookup to obtain the name of the machine in question. We hope this helps resolve your problem.

8. *What information do I have to provide to get an additional AS Number allocation?*

Please provide a detailed explanation to distinguish the uniqueness of the additional requested AS Number from that of your company's original AS Number. You may want to provide this information in the form of a network topology diagram. You may fax this or provide it as a URL or FTP-able (postscript) document. **You may fax the documents to 703.227.0676.**

9. *How do I modify my network?*

Directly registered blocks use the modify template located at:
<http://www.arin.net/regserv/templates/modifytemplate.txt>

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10. How does policy get made or changed?

Anyone can get involved in the policy making process in the ARIN region. ARIN holds biannual Public Policy meetings open to all parties and individuals interested in becoming involved in discussions of IP related issues, development of regional policies, and overall advancement of the Internet. In addition there are numerous open mailing lists to which you can subscribe. You can find all details and the actual policy making process at the url below:**

http://www.arin.net/arin/policy_eval_process.html
<http://www.arin.net/members/mailing.htm>

News Flash

PASSAGE OF CONVENTION ON CYBERCRIME

The Council of Europe recently completed an international accord that will allow governments to investigate cybercrime and could affect all users of the Internet. The U.S. is a signatory to the accord.



The Wall Street Journal states: "If you or your company use the Internet, you should know about this treaty. If you operate any kind of computer network, you may find yourself fielding a subpoena or subject to corporate liability because of it. And if you communicate with others online, your data could be monitored as part of an international investigation." *

The main concern expressed by companies about this treaty is the cost of compliance. If they are overwhelmed with requests and subpoenas for data, the expenses of supplying the records could be substantial. They will also have to allocate resources to retrieve these records and network performance may suffer.

If you are not familiar with this treaty, the document can be found at:

<http://conventions.coe.int/Treaty/EN/projets/FinalCybercrime.htm>

*Wall Street Journal, Monday December 3, 2001, Section B, Page #1; "Treaty on Cybercrime Flew under the Radar Despite Potential Risks"

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Hint – all of these words can be found in the ARIN VIII minutes posted at: http://www.arin.net/minutes/ARIN_VIII/PPM.html

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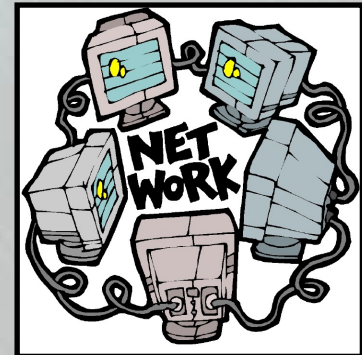
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Unscramble the four words above, then unscramble the letters in the circled boxes to solve the mystery. See answers in the next issue.

What satisfied ISP customers provide ARIN?

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Answers from last issue:
PEER, APNIC, HANDLE, POLICY

What the "classless" member coordinator enjoys drinking.
APPLE "CIDR"

ARIN Today is a newsletter produced quarterly by ARIN staff for ARIN members. Articles and contributions from the community are not only welcome, they are solicited. For questions, comments, and article submissions contact us at arintoday@arin.net.

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