ARIN

American Registry for Internet Numbers ®

2005

Annual Report

**Public Participation
Leading to Positive Results**
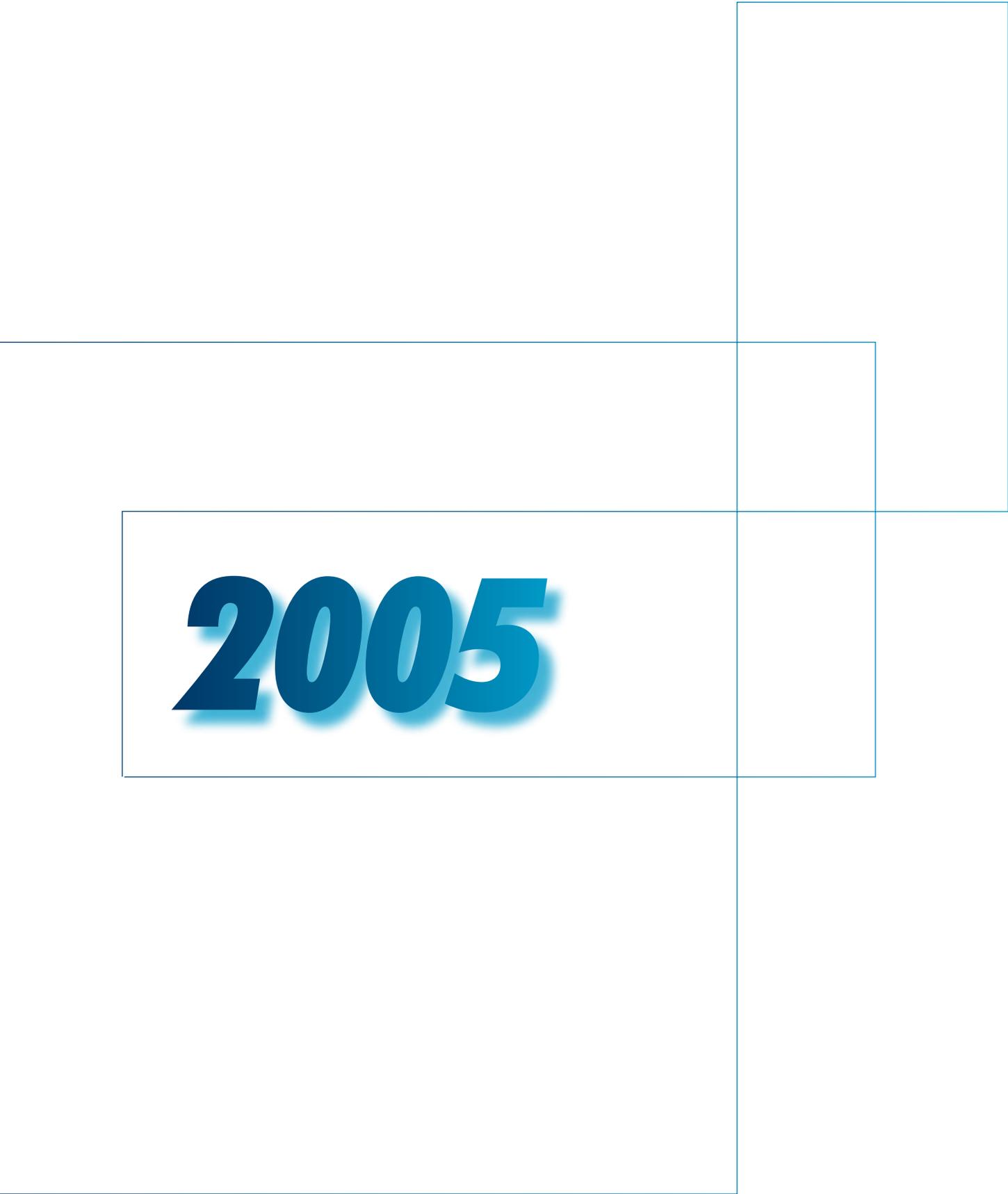
2005

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

Annual Report

Contents

The American Registry for Internet Numbers (ARIN) publishes annual reports to document for its community the operations and activities of the organization. The audited financial statements for fiscal year 2005 will be published separately in mid-2006.

To view this report online or to review the annual reports and financial statements from previous years, please visit the ARIN website at:

www.arin.net/about_us/corp_docs/annual_rprt.html

Chairman's Message

Toward the end of 2005, ARIN marked its eighth year of operation and service to the Internet community. Throughout its existence, there have been many changes both within the ARIN region and throughout the Internet as a whole, while at the same time ARIN's mission has remained the same. Our commitments to stewardship of Internet number resources and providing registration, organizational, and policy facilitation services have never been stronger.

One of the most recent major changes took place in April 2005, when ICANN officially recognized AfriNIC as the fifth Regional Internet Registry. Encompassing the entire continent of Africa, AfriNIC now covers a region previously served by APNIC, ARIN, and the RIPE NCC. ARIN made significant contributions throughout 2005 and before to assist AfriNIC in its formation, and we wish our colleagues there all the best.

Healthy discussions on the nature of Internet governance have been happening since the earliest days of the Internet, and, in 2005, a major effort on this issue was concluded. Under the auspices of the United Nations, a World Summit on the Information Society (WSIS) began in 2003 to discuss issues surrounding Internet governance and stakeholder involvement. WSIS concluded with a Phase II Summit in November 2005 in Tunis, Tunisia. As stated in a Number Resource Organization (NRO) press release after Phase II Summit ended:

"It is a positive result that the role of governments inside the area of Internet governance has been clearly defined, and that there is a clear decision for governments not to become involved in the daily operational and technical matters of the Internet."

The successful result of WSIS was due in part to the participation of ARIN staff, acting through the NRO, and the ARIN community. The open and transparent processes of ARIN and the other RIRs helped make the case that current systems for Internet number resource distribution are all they should be. Of course, WSIS was just the latest iteration of that "healthy discussion" that has been going on for so many years, and there is more work ahead. Not only for ARIN, but for all those in the Internet community that believe in the benefits of the open and transparent, bottom-up processes that we in the community use to govern ourselves.

Closer to home but in the same vein, ARIN's Internet Resource Policy Evaluation Process (IRPEP) continues to be successful in providing a structure for the community to develop reasoned and well-supported policies. It is only through active community participation in policy discussions, elections, and our biannual meetings that ARIN's future will be as bright as its past.

I believe that 2006 will prove to be just as successful for ARIN as years past, with a mix of issues both old and new. I invite and welcome participation by all of ARIN's members and stakeholders in the important work ahead.

John Curran
Chairman
ARIN Board of Trustees

Eight years, thousands of ASNs, millions of templates, hundreds of millions of IP addresses. While ARIN, at its core, is about numbers, as an organization and a community it is just as much about people and the contributions they make. As an example of this, in 2005, the number of Regional Internet Registries increased by one, with ICANN's recognition of AfriNIC. However, behind that "one" stands several years of work by ARIN's staff, its elected officers, and the ARIN community who contributed to ARIN's efforts on behalf of AfriNIC. ARIN's work in supporting the emergence of AfriNIC, while maintaining its own day-to-day operations, marks it as a successful and mature organization. I'd like to thank everyone who contributed to this worthwhile effort.

Throughout 2005, ARIN faced other demands as well, including working within the Number Resource Organization (NRO) on issues like the World Summit on the Information Society (WSIS) and cross-RIR communication and development. In addition, ARIN staff continued their contribution to the Internet community as a whole through participation with other organizations such as the Internet Engineering Task Force (IETF) and the Internet Society (ISOC), as well as many others. Participation by ARIN in these other venues not only increases our ability to keep the channels of communication open with the entire Internet community, but enhances our staff's knowledge of the issues facing the entire ARIN region.

Participation, in all its forms, is the key to ARIN's success as an organization and community. Not only the participation of staff, the Board of Trustees, and Advisory Council with a variety of organizations, but even more importantly the participation of our community and stakeholders with ARIN itself. ARIN completely relies on its community in determining policy, and staff and the Board of Trustees look to the community for direction on the "how," "what," and "why's" of the services we provide. While ARIN staff deserves much credit for the day-to-day operation of ARIN as an organization throughout 2005, the ARIN community deserves the credit for ARIN's accomplishments as a steward of Internet number resources throughout our history.

While participation with ARIN is ideally a year-round activity, twice a year ARIN facilitates Public Policy and Members Meetings to enable the gathering of consensus on issues facing us as a community and an organization. ARIN XV, the first meeting of 2005, was a first-ever integrated meeting with the North American IPv6 Task Force (NAv6TF) held in Orlando, Florida in April. The second meeting, ARIN XVI, was another hugely successful back-to-back meeting with the North American Network Operators' Group (NANOG) in October, and took place in Los Angeles, California. Highlights of these meetings included discussion of twelve policy proposals, roundtables on Directory Services and IPv4, and a hands-on workshop on getting started with IPv6. We look forward to even more success for our 2006 meetings.

Going into 2006, ARIN not only remains strong after eight years, but has continued to grow in terms of the maturity and stability of its processes and the breadth of its capabilities. This growth has been accomplished without a significant increase in staff. Credit for this goes to the efficiency of ARIN staff and the participation of the ARIN community. Further participation by the community will only increase the positive outcomes possible.

ARIN will likely face both new challenges and exciting opportunities in 2006. I know I speak for the entire ARIN staff in saying that we look forward to your participation on these issues and pledge to continue providing you the best possible service.

Thank you,

Raymond A. Plzak
ARIN President and CEO

Who is ARIN?

You Are!

Network Operators

Academic and Research Community

Governments

Users of Internet Resources

ARIN AT A GLANCE

Overview

Established in December 1997, the American Registry for Internet Numbers (ARIN) is a Regional Internet Registry (RIR) incorporated in the Commonwealth of Virginia, USA. ARIN is one of five (5) RIRs. Like the other RIRs, ARIN:

- *Provides services related to the technical coordination and management of Internet number resources in its service region. ARIN's region includes Canada, the United States, and several islands in the Caribbean Sea and North Atlantic Ocean.*

- *Participates in the international Internet community.*

- *Facilitates the development of policy decisions made by its members and stakeholders.*

- *Is a nonprofit, membership-based organization.*

- *Is governed by an executive board elected by its membership.*

Organizational Structure

ARIN is a nonprofit service organization that is responsive to the needs of the public it serves. ARIN is comprised of its members, a 7-member Board of Trustees, a 15-member Advisory Council, and a professional staff of around 40. The Board of Trustees and Advisory Council are elected by ARIN members for three-year terms.

ARIN Membership organizational chart: ARIN Membership → Board of Trustees and Advisory Council. Board of Trustees → Officers (Chairman, Treasurer, Secretary, President) → Executive Assistant, Director of Operations, Director of External Relations, Financial Services, Engineering, Member Services, HR & Administration, Registration Services.

ARIN's organizational structure provides an effective framework for its operation as a service organization that is responsive to the needs of the public it serves. Users in the community organize and drive ARIN's activities. This allows ARIN to keep in step with the community's requirements. The organizational structure remained constant throughout 2005.

Services

The services ARIN provides are grouped in three areas: Registration, Organization, and Policy Development.

Registration Services include coordination and management of IP address space and ASN allocations and assignments, resource transfers, record maintenance, registration transaction information (WHOIS), routing information (Internet Routing Registry), and reverse DNS.

Organization Services include elections, members' meetings, information publication and dissemination, and education and training.

Policy Development Services include facilitating the development of policy related to the technical coordination and management of Internet number resources in the ARIN region. They include maintaining discussion e-mail lists, conducting public policy meetings, and publishing policy documents.

International Community

Internet Community Organizations

ARIN is active in the international Internet community, working in close coordination with such open Internet community organizations as ICANN, ISOC, IETF, and NANOG. ARIN enjoys a comprehensive relationship with each of these bodies and participates in many of their meetings throughout the year. See http://www.arin.net/community for more information about these organizations.

Number Resource Organization

The RIRs have worked together to coordinate their joint activities, including technical tasks and the management of Internet number resources. Recognizing this, the RIRs on October 24, 2003 formed the Number Resource Organization (NRO). The purpose of the NRO is clearly defined in its mission statement:

"Formed by the Regional Internet Registries to formalise their co-operative efforts, the NRO exists to protect the unallocated Number Resource pool, to promote and protect the bottom-up policy development process, and to act as a focal point for Internet community input into the RIR system."

More information on the NRO can be found on its website at http://www.nro.net.

Membership

Membership is not required to participate in ARIN's policy development process. ARIN General Membership is open to any interested individual or entity through completion of a membership application and payment of an annual membership fee. Entities that receive allocations of IP address space directly from ARIN are automatically accorded membership. It is not necessary to become an ARIN General Member prior to applying for any Internet number resource. All applications for Internet number resources are evaluated solely in accordance with policy requirements.

Year in

Public Participation

Positive Results

Review

Highlights of 2005

Number Resource Policy

In 2005, the ARIN community discussed twelve distinct policy proposals. Covering a broad range of topics, the progression of these proposals was determined by the Internet Resource Policy Evaluation Process (IRPEP), with possible outcomes including ratification, abandonment, or a request for continuing work by the author and/or the Advisory Council. The proposals for 2005 were:

Policy Number	Title	Status
2004-3	Global Addresses for Private Network Inter-Connectivity	Adopted
2004-5	Address Space for Multiple Discrete Networks	Adopted
2004-8	Allocation of IPv6 Address Space by the Internet Assigned Numbers Authority (IANA) Policy to Regional Internet Registries	Adopted
2005-1	Provider-independent IPv6 Assignments for End Sites	Under Discussion
2005-2	Directory Services Overhaul	Abandoned
2005-3	Lame Delegations	Adopted
2005-4	AfriNIC Recognition Policy	Adopted
2005-5	IPv6 HD ratio	Adopted
2005-6	IPv4 Micro-allocations for Anycast Services	Abandoned
2005-7	Rationalize Multi-Homing Definition and Requirement	Adopted
2005-8	Proposal to amend ARIN IPv6 assignment and utilisation requirement	Under Discussion
2005-9	4-Byte AS Number	Under Discussion

A detailed accounting of actions taken on these proposals is provided in the Public Policy report on page 18. For an explanation of how ARIN's policy process works, please see the Internet Resource Policy Evaluation Process at http://www.arin.net/policy/irpep.html/.

Elections

In October 2005, ARIN's General Members in good standing voted in ARIN's annual Board of Trustees and Advisory Council elections. The election guidelines describe the process followed, and can be found online at http://www.arin.net/elections/electionguidelines.html

Lee Howard and Bill Woodcock were elected to serve on the Board of Trustees. Their three-year terms begin on January 1, 2006.

Elected to the Advisory Council were: Dan Alexander, Bill Darte, Alec Peterson, Matt Pounsett, and Suzanne Woolf. Each begins serving a three-year term on January 1, 2006.

Martin Hannigan joins Sanford George and Louis Lee as a member of the Number Resource Organization Number Council from the ARIN Region. In 2005, the Board of Trustees appointed Martin Hannigan to serve a three-year term that will start on January 1, 2006.

ARIN's Website

ARIN unveiled the newest version of its website on April 13, 2005. While the overall design was similar to the previous site, both content and the actual code of the site were restructured to provide a more easily navigable site with greater consistency and better organized content. Some highlights include:

- Expanded and revised content, especially the "Registration Services" and "About Us" sections

- Former "Internet Info" section renamed "International Community" and revised

- Billing-related information revised and easily accessible in new top-level "Billing" section

- Former "Library" section revised and renamed "Reference"

- Training and educational materials available in top-level "Education" section

- Improved formatting for announcements, search engine results, and policy proposals

- Design goal of creating W3C XHTML- and CSS-compliant pages

This redesign was the first in three years, and has so far resulted in an approximate increase of 50% in unique visitors to the site, an increase in search engine traffic from about 8% to 22%, and an overall increase in the efficiency of serving and browsing pages on the website for our community. The ARIN website is a core part of our service to the community, and we are always interested in your feedback on the design and content. Please send any comments, suggestions, or questions to webmaster@arin.net.

ARIN Service Fees

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 until 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.

AfriNIC

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. This was the culmination of efforts by the African Internet community and the staff's and stakeholders of the Regional Internet Registries acting through the Number Resource Organization (NRO). ARIN's region formerly contained sub-equatorial Africa, and as a result staff was heavily involved in assisting AfriNIC. In addition to ARIN's assistance immediately preceding AfriNIC's recognition, in previous years ARIN provided AfriNIC with training and financial assistance, and conducted a subregional policy meeting in Dar es Salaam, Tanzania, to increase involvement of the African community in the policy process.

World Summit on the Information Society (WSIS)

Throughout 2005, ARIN participated in the events surrounding the World Summit on the Information Society (WSIS). WSIS ended in Tunis in November, with government delegates reaching a compromise – ICANN was to continue its day-to-day management activities, while the UN Secretary-General would convene an Internet Governance Forum (IGF) to discuss issues outside of the technical management of the Internet.

& Updates
Reports

ARIN Departmental Reports

Human Resources and Administration Department
Director: Mary K. Lee

Function: Performs personnel acquisition, employee compensation management, benefits administration, payroll administration, employee training, office management, office security, and travel administration.

It was another busy year for ARIN's internal activities. The entire company attended an in-house course titled "Mindex, Your Thinking Style Profile." Other training in 2005 included seminars in collections law and leadership skills. Staff also worked on presentation skills, attending classes such as "Effective Presentation Skills," "Using Acting Techniques in Presentations," and "Using MS PowerPoint."

The job analysis project was expanded to include a department analysis along with individual position evaluations. A full market-pricing salary survey was completed in April, resulting in salary adjustments for several positions. Facility improvements were completed in November, and the backup power project will be completed early in 2006.

In 2005, the ARIN team was comprised of 41 full-time positions and a student intern. Two new positions were added to the Member Services Department. Staff included 22 men and 19 women. Six more employees reached the five year mark. Eighteen staff members have been at ARIN for four years or more.

During 2006, the department will continue to concentrate on internal training and staff development. Other plans include an analysis of ARIN's current telephone systems and revamping the performance evaluation program.

Engineering Department
Director: Ginny Listman

Function: Performs hardware, software, and database maintenance, system administration, internal network operations, software development, and hardware acquisition.

During 2005, projects were undertaken to support both external and internal ARIN operations and services. Accomplishments included:

Improvements to Customer-Facing Processes

The department integrated the membership data, namely the Designated Member Representative (DMR) information and the optional member URL, into the registration database. This will improve the interaction between the Membership Services and Registration Services Departments. The department also improved the meeting registration, election, and billing systems. The goal of these efforts was to enhance the community's interactions with ARIN.

Research and Analysis

The Engineering Department worked with Internet community members to research and analyze the data in ARIN's database and compare it to the data in routeviews. This supported the U.S. Department of Homeland Security (DHS) analysis in determining what needs to be done to secure the routing infrastructure.

Operational Improvements

ARIN continued improving its infrastructure and services. During 2005, the Engineering Department replaced the website search engine, migrated ARIN mailing lists to new hardware and new software, and announced an IPv6 presence at its colocation.

NRO Activities

The Engineering Department brought to close two significant projects in 2006. The first was the recognition of AfriNIC as the fifth Regional Internet Registry (RIR). The department designed and developed the AfriNIC Registration System. The second was the completion of the Early Registration Transfer (ERX) Project, where the records of the IPv4 address blocks that are contained in the /8s designated by the IANA as "Various Registries" were transferred from the ARIN database to the appropriate RIR.

Goals for 2006

- Improvements to the Routing Registry

- Site Multi-homing

- Leveraging VoIP Technology

- Integration of the Billing Database with the Registration Services Database

- Redesign of Ticketing System to Improve Reported Statistics

Financial Services Department
Director: Bob Stratton

Function: *Provides ARIN financial services, which include accounts receivable, accounts payable, contracts, budgeting, general accounting activities, and financial reporting.*

The Financial Services Department (FSD), underwent a name change in 2005. Previously known as the Business Department, it was determined that "Financial Services" better represented its function.

Collection of ARIN's overdue accounts receivable generated $1,500,000 (USD) of revenue due from previous years. This was accomplished by following up with customers and tracking down outdated contact information. The department plans to finish the clean up of long term overdue invoices by the end of 2006. In conjunction, ARIN is also pursuing overdue maintenance invoices associated with Autonomous System Numbers (ASNs), end-user assignments, and resource transfers.

The department plans to setup a system to capture additional contact information from customers during the initial registration process to assist with subsequent billing-related communication. Experience has shown that billing contact updates do not necessarily convey to FSD. Thus, the intent is to have additional financial contact information associated with organizations to assist in keeping resource registrations paid and up to date.

Similar to many past years, ARIN's investment program in 2005 had another outstanding year. ARIN takes its fiduciary responsibility seriously and manages its funds conservatively, but with the expectation that they will grow, ensuring the financial stability of the organization.

The Engineering Department provides FSD support as it works on projects. ARIN implemented a new, more secure process for receiving credit card payments. As a part of this project, a new, internal method for sharing data with other departments is being developed. Using this, FSD plans to streamline its sharing of data across the organization in the future. The department also purchased software for fixed asset tracking and migrated information on all assets to the new system. FSD is implementing a new e-mail reminder notice to assist in alleviating invoices from becoming overdue and informing organizations' contacts in WHOIS of their organization's billing status in response to ARIN member feedback.

Overall accounting activities, budgeting, and financial reporting strengthened throughout the year and FSD accomplished a major upgrade to ARIN's accounting software. A new process for presenting budget information to ARIN's department directors was developed, with implementation planned for 2006. As a department, FSD continuously works to improve productivity and work processes to ensure accurate and timely results.

Member Services Department
Director: Susan Hamlin

Function: Provides ARIN member services, which include facilitating the policy development process, managing association services, providing information services, and supporting ARIN outreach activities.

Staff: The Member Services Department (MSD) added three new positions this year to improve and expand communications to various target audiences. The department now consists of seven functional positions, including the new Membership Coordinator, Public Affairs Officer, and Membership Operations Manager positions. Existing staff members were promoted into the latter two positions, and two new staff members were hired to fill the Membership Coordinator and Website Support Specialist positions. The Membership Operations Manager, the newly created second-tier management position, manages the Meeting Planner, Membership Coordinator, and Web Support Specialist. The organization chart below shows the current department staff by name and title.

Director of Member Services Susan Hamlin	Policy Analyst Einar Bohlin	Meeting Planner Erin Centanni
	Membership Operations Manager Jason Byrne	Membership Coordinator Erika Goedrich
	Public Affairs Officer Megan Kruse	Website Support Specialist Lori Nuth
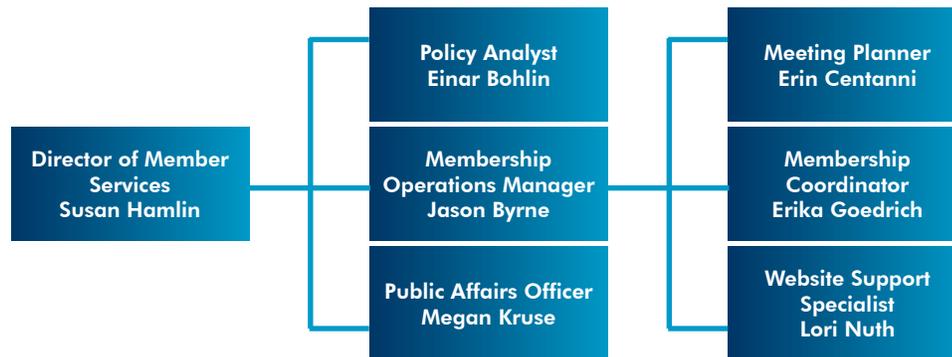
Policy: MSD's efforts in 2006 included successfully facilitating two cycles of the Internet Resource Policy Evaluation Process (IRPEP) for the ARIN community. A new introductory policy page on the ARIN website directs visitors to the documented status of all proposals and details methods of participation in the open and transparent policy development process. MSD updated the Number Resource Policy Manual in September 2005, predicated on the Board of Trustees' adoption of policy proposals and ARIN staff's subsequent implementation.

Association Services: The department benefited from the integration of the membership and registration databases, accomplished with the support of ARIN's engineering staff. This integration made maintaining membership records and designated member representative contact information more efficient and simplified the process of verifying membership status.

Membership in ARIN grew steadily in 2005, with an overall increase of more than 100 organizations throughout the year.

MSD continued its support of the Board of Trustees and Advisory Council throughout 2005 and oversaw the community elections for vacant positions within these bodies.

For the first time in ARIN's history, both biannual Public Policy and Members Meetings were held in conjunction with other associations' meetings. ARIN XV was held in Orlando, Florida, April 17-21, with the North American IPv6 Task Force. ARIN XVI, held October 26-28 in Los Angeles, was held back-to-back with NANOG 35.

Information Services: As mentioned in the "Year in Review" section, MSD, with the assistance of the entire ARIN staff, developed a new website design and revised website content. ARIN released the new website in April. As the website is a core part of ARIN's service to the community, MSD continuously analyzes and evaluates the content and design for possible enhancements.

ARIN's quarterly newsletter was renamed "ARIN Review" and given a fresh look this year. Readership continues to grow and each quarter featured a timely guest article: "IPv6 Deployment State," by Jim Bound, "On the Report from the Working Group on Internet Governance," by LACNIC CEO Raúl Echeberría, "Who's Behind Network Security?" by Tom Vest, and "Internet Going on 33," by Vint Cerf.

Outreach: Throughout 2005, staff in MSD developed communications plans aimed at improving communication with new and existing members, growing community participation in the policy process, and forging new relations with external organizations and the media. Work began to identify suitable contact management tools to provide a centralized database for staff members that interact with the larger Internet community.

Member Services staff coordinated with ARIN's RIR colleagues to manage content for the NRO website and to create educational materials. Staff participated in the NRO booth at the World Summit on Information Society (WSIS) held in Tunis in November. The department continues to support the outreach efforts of the President and CEO, the Director of External Relations, and other Directors who make presentations outside of the biannual ARIN meetings. In 2005, MSD staff and subject matter experts from ARIN also assisted AfriNIC with the creation of a computer-based training module dealing with the AfriNIC registration process.

New in 2006: Implementation of the communications plans discussed above will be top priorities. MSD also plans to create and disseminate new educational and informative collateral.

ARIN serves as the NRO Secretariat in 2006, and MSD will be busy handling updates to the NRO and ASO websites and coordinating the communications activities of the NRO.

Registration Services Department
Director: Leslie Nobile

Function: Allocates and assigns Internet number resources, maintains IP registry and routing registry directories, administers reverse mapping DNS, and operates the ARIN Registration Services Help Desk.

The Registration Services Department (RSD) was very productive and busy in 2005. For the second year in a row, the number of IPv4 allocations made in the ARIN region increased. The total of 2.91 /8s issued in 2005 was almost double the amount of space issued in 2004. The number of ASNs issued in the ARIN region declined for the fourth year in a row with no obvious reason for this continuing decline. IPv6 requests and allocations increased in 2005 with a total of 59 /32s issued, the highest number of /32s issued in the ARIN region to date. RSD also implemented four new policies during the course of 2005. For additional information on Registration Services statistics, please see the Statistics section on page 23.

RSD participated in several large external projects in 2005, including the final transition of appropriate registrations to the AfriNIC registry, the production of an AfriNIC training CBT, and outreach and training to various U.S. government agencies. In addition to their day-to-day activities and external projects, RSD staff planned and completed several internal projects in an effort to enhance the services they provide to the ARIN community.

One of the major issues that RSD worked to address this year centered on routing and reachability of allocations made from /8 blocks that ARIN newly received from the IANA. A common complaint over the years has been that some customers reported having difficulties in routing their ARIN allocations from new /8s received from IANA due to bogon filtering problems. In an effort to alleviate some of these issues, RSD worked with Team Cymru to do reachability testing on all new blocks issued to ARIN by the IANA in 2005. This testing seems effective and has become an on-going project.

RSD worked closely with the Financial Services Department in ARIN's efforts to collect on overdue invoices. As the potential final point in ARIN's collection process, RSD is responsible for reclaiming the Internet number resources associated with overdue accounts. In 2005, RSD actively worked to reclaim both ASNs and IPv4 addresses, and during the last six months of the year, reclaimed 451 ASNs. The department reclaimed more ASNs than it issued over the same time period of time!

To better understand the needs of the ARIN community, RSD conducted a customer survey in the spring. Results of the survey were closely analyzed and interviews were conducted with survey participants to gather further feedback. RSD took the feedback and suggestions and worked hard to implement changes and procedures based on the community input. In addition, RSD worked to increase its overall efficiency by having more templates auto-processed, decreasing response and turnaround times, streamlining internal processes and procedures, and improving the overall level of customer service.

New projects for 2006 include fine tuning and releasing new versions of the templates, enhancing and publicizing ARIN's certificate authority, and reviewing and refining the organization vetting process.

Members

The members of the Advisory Council (AC) for 2005 were:

- Paul Andersen
- Cathy Aronson
- Marla Azinger
- Leo Bicknell
- Ron da Silva, Chair
- Bill Darte
- Andrew Dul
- Mark Kosters

- Alec Peterson, Vice Chair
- Lea Roberts
- Alex Rubenstein
- Rob Seastrom
- John Sweeting
- Stacy Taylor
- Suzanne Woolf

Meetings

The Advisory Council met in person at ARIN's biannual meetings in Orlando and Los Angeles. In addition, they met nine times via teleconference. The minutes from these meetings are available online at http://www.arin.net/meetings/minutes/ac/.

Advisory Council Policy Actions

Moved to Recommend Adoption

- 2004-3: Global Addresses for Private Network Inter-Connectivity

- 2004-5: Address Space for Multiple Discrete Networks

- 2004-8: Allocation of IPv6 Address Space by the Internet Assigned Numbers Authority (IANA) Policy to Regional Internet Registries

- 2005-3: Lame Delegations

- 2005-4: AfriNIC Recognition Policy

- 2005-5: IPv6 HD Ratio

- 2005-7: Rationalize Multi-Homing Definition and Requirement

Moved to Abandon

- 2005-6: IPv4 Micro-allocations for Anycast Services

Continued to Develop

- 2005-1 Provider-independent IPv6 Assignments for End Sites

- 2005-8: Proposal to amend ARIN IPv6 assignment and utilisation requirement

Withdrawn by Author

- 2005-2: Directory Services Overhaul

Members

The members of the Board of Trustees in 2005 were:

Officers

- Chairman: John Curran, Chief Technology Officer, ServerVault
- Secretary: Scott Bradner, University Technology Security Officer, Harvard University Office of the Provost, Harvard University
- Treasurer: David Conrad, Chief Technology Officer, Nominum, Inc. (resigned October 1, 2005, vacancy filled in regular election)
- President: Ray Plzak, Chief Executive Officer, American Registry for Internet Numbers

Trustees

- Bill Manning, Partner, EP.NET, LLC.
- Paul Vixie, President, Internet Systems Consortium
- Bill Woodcock, President and Research Director, Packet Clearing House

Meetings

The Board of Trustees met in person five times in 2005.

March 8, 2005 – Minneapolis, MN
April 18, 2005 – Orlando, FL (ARIN XV)
August 8, 2005 – Chantilly, VA
October 26, 2005 – Los Angeles, CA (ARIN XVI)
November 8, 2005 – Vancouver, British Columbia

The Board also met twice via teleconference in 2005. The minutes from all Board meetings are available online at
http://www.arin.net/meetings/minutes/bot/.

Board of Trustees Policy Actions

- Adopted 2004-3: Global Address for Private Network Inter-Connectivity
- Adopted 2004-5: Address Space for Multiple Discrete Networks
- Adopted 2004-8: Allocation of IPv6 Address Space by the Internet Assigned Numbers Authority (IANA) Policy to Regional Internet Registries
- Adopted 2005-3: Lame Delegations
- Suspended Paragraph 4.8 of the ARIN NRPM effective the date of the formal recognition of AfriNIC

Other Actions

- Elected officers: John Curran, Chairman; Scott Bradner, Secretary; David Conrad, Treasurer
- Adopted updated and revised ARIN Bylaws
- Appointed Martin Hannigan to the Number Resource Organization Number Council (NRO NC)
- Confirmed the results of the 2005 Board of Trustees and Advisory Council elections
- Extended the waiver of initial fees for the transfer of AS numbers and IP addresses through December 31, 2006
- Reviewed and accepted the 2004 audited financial statements
- Reviewed and adopted the 2006 ARIN budget
- Approved editorial updates to the ARIN NRPM
- Discussed the residential customer policy and associated guidelines
- Discussed proposed liaisons between the NRO and the IETF and between the NRO and ITU-T
- Approved the NRO Statement of Ethics and Principles
- ARIN Counsel conducted an ethics training session addressing Conflict of Interest, Fiduciary Obligations, and Duty of Loyalty
- Adopted the Standing Rules for ARIN Board Meetings

ARIN XV

Public Policy Meeting: April 18-20, 2005
Members Meeting: April 20, 2005
Orlando, Florida, USA

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. ARIN XV registrants came from 20 U.S. states and the District of Columbia, 3 Canadian provinces, and 9 other countries.

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 6th Annual ARIN 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 available at http://www.arin.net/meetings/minutes/ARIN_XV/.

An overview of the policy proposals discussed at this meeting are available on page 20.

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," 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.

Sponsors

ARIN would like to thank Native 6 Inc., NTT Communications, and Smart City for generously agreeing to sponsor ARIN XV.

IPv6 Access Provided By

ARIN XVI

Public Policy Meeting: October 26-27, 2005
Members Meeting: October 28, 2005
Los Angeles, California, USA

ARIN XVI and NANOG 35 bring large numbers to L.A.

Taking place October 23-28, 2005, back-to-back NANOG and ARIN meetings proved to be a success once again. ARIN XVI, held from October 26-28, had attendees in near record numbers, featured a first-ever all-day workshop on the basics of setting up IPv6 on a network client, a very popular social event at the L.A. Lucky Strike bowling alley, and two and a half days of very important and informative technical and policy discussions.

The online meeting archive at http://www.arin.net/meetings/minutes/ARIN_XVI/ has copies of the presentations given during the tutorials and meetings, archives of the webcast, and the minutes of the Public Policy and Members Meetings. Information about NANOG 35 can be found at http://www.nanog.org/mtg-0510/.

Nearly 200 people registered for ARIN XVI, with approximately 87 being first-time attendees. In addition, attendees represented a range of geographic locations including 26 U.S. states and the District of Columbia, 4 Canadian provinces, and 16 other countries. The ARIN-related activities began on Sunday, October 23 with a workshop titled "Getting Started with IPv6" hosted jointly with NANOG and led by Jordi Palet Martinez, CTO/CEO of Consulintel. This was followed on Tuesday with three events: a tutorial on "Getting to Know ARIN" presented by ARIN President and CEO Ray Plzak; a tutorial by Randy Bush on secure routing; and the ARIN Open Policy Hour. Wednesday, October 26 and Thursday, October 27 were the two days of the Public Policy Meeting, and the ARIN activities ended on Friday, October 28 with the ARIN Members Meeting.

In addition to the policy proposal discussions at the Public Policy Meeting, roundtables on "The Future of IPv4" and "Directory Services Requirements" were held, with the panel for the Directory Services roundtable including two members of the ARIN Advisory Council and two representatives from U.S. government agencies. One of the highlights of the meeting was the presentation by Richard Hill, a representative from the International Telecommunication Union (ITU), on the ITU and IPv6. His presentation also addressed some of the other issues the ITU is involved in, and sparked an informative and lively discussion.

An overview of the policy proposals discussed at this meeting are available on page 20.

Sponsors

ARIN would like to thank Equinix for its sponsorship of the network connectivity and Terminal Room for ARIN XVI.

Internet Community Organizations

ARIN is active in the international Internet community, working in close coordination with such open Internet community organizations as ICANN, ISOC, IETF, and NANOG. ARIN enjoys a comprehensive relationship with each of these bodies and participates in all of their meetings throughout the year.

Number Resource Organization (NRO)

The NRO devoted most of its efforts to working on issues related to the WSIS. This included preparing position papers, making public comments at open sessions, attending various meetings and consultations, and operating an information booth at the summit meeting in Tunis.

The NRO provided financial and staff support for the effort to obtain ICANN's final recognition of AfriNIC. Several members of the NRO Executive Council participated in meetings of the ICANN Government Advisory Committee, providing tutorials regarding technical functioning of the Internet and providing policy information briefings.

WSIS/WGIG

The World Summit on the Information Society (WSIS), a United Nations forum to discuss the digital divide, consisted of two phases. During the first phase, in Geneva in December 2003, Internet governance emerged as one of the leading discussion issues. The second phase took place in Tunis in November 2005. ARIN staff participated in meetings during both phases, monitoring discussion on Internet governance and the role of the Internet Corporation for Assigned Names and Numbers (ICANN).

One outcome of the first phase was a request to establish a Working Group on Internet Governance (WGIG). The final WGIG report was presented in Geneva on July 18, 2005. Among the findings in the report were:

- to maintain the Internet's stability and robustness, it would be not be advisable to introduce significant changes to the existing Internet governance system;

- that no particular government should exercise an oversight role over any Internet governance component;

- and that an open, multi-stakeholder global discussion forum would improve inter-organizational coordination and facilitate discussion of issues not considered by any specific organization.

The WGIG report presented four oversight models for certain specific Internet functions. ARIN, as part of the Number Resource Organization (NRO), supported the proposal presented as Model 2, which called for no new oversight body, but an enhanced version of the ICANN Government Advisory Committee.

Immediately preceding the second phase of WSIS in Tunis, government delegates reached a compromise – ICANN was to continue its day-to-day management activities, while the UN Secretary-General would convene an Internet Governance Forum (IGF) to discuss issues outside of the technical management of the Internet.

ARIN and the NRO were satisfied with the result of WSIS. They praised efforts to ensure that national governments not become involved in the technical and operational functions of the Internet.

ARIN, primarily via its role in the NRO, and the entire Internet community will continue to monitor Internet governance activities and will participate where appropriate as the process continues.

ICANN

ICANN held three meetings in 2005: April 4-8 in Argentina, July 11-15 in Luxembourg, and November 30 - December 4 in Canada. Throughout the year, discussions focused on ICANN's Strategic Plan, Internationalized Domain Names (IDNs), and Internet governance with respect to the International

Telecommunication Union (ITU) and the World Summit on the Information Society (WSIS).

In April, ICANN formally recognized AfriNIC as the fifth Regional Internet Registry. At the July meeting, Ray Plzak participated in a joint roundtable on IP addressing held by the NRO and the ICANN Government Advisory Committee (GAC). At its last meeting of the year, ICANN participants also discussed the .com settlement agreements and several ICANN Board resolutions.

ARIN's Meeting Participation

In addition to facilitating ARIN's Public Policy and Members Meetings, ARIN staff actively participates in the global Internet community. Below is a listing of meetings where ARIN staff participated. For additional details on these meetings and how ARIN staff participated, please see the archives of ARIN's quarterly newsletter "ARIN Review." Reports on the meetings ARIN staff attend are included on the second page of each quarterly edition of our newsletter.

Meeting	Dates	Location
NANOG 33	January 30 - February 1	Las Vegas, Nevada
ISOC - NDSS '05	February 3-4	San Diego, California
GSMNA Quarterly Meeting	February 7-11	Clearwater, Florida
ESCC/Internet2 Joint Techs Workshop	February 13-16	Salt Lake City, Utah
APNIC 19 / APRICOT 2005	February 16-25	Kyoto, Japan
IETF 62	March 6-11	Minneapolis, Minnesota
ICANN	April 4-8	Mar del Plata, Argentina
AfriNIC - 2	April 26-27	Maputo, Mozambique
RIPE 50	May 2-6	Stockholm, Sweden
NANOG 34	May 15-17	Seattle, Washington
LACNIC VIII	June 27-30	Lima, Peru
ICANN	July 11-15	Luxembourg City, Luxembourg
IETF 63	July 31 - August 5	Paris, France
APNIC 20	September 6-9	Hanoi, Vietnam
WSIS PrepCom-3	September 19-30	Geneva, Switzerland
NANOG 35	October 23-25	Los Angeles, California
IETF 64	November 6-11	Vancouver, BC, Canada
ICANN	November 30 - December 4	Vancouver, BC, Canada
AfriNIC-3	December 12-14	Cairo, Egypt

INTERNET NUMBER RESOURCE POLICY

Introduction

The community in the ARIN region decides how ARIN will manage and administer Internet number resources. These community decisions are recorded as polices. The ARIN Number Resource Policy Manual (NRPM) is the repository for all policies.

Policy development is an open and transparent process. Anyone may participate in the process -- a prior relationship as an ARIN member or customer is not a requirement nor is it a requirement for a person to become a member. The Internet Resource Policy Evaluation Process (IRPEP) describes the process structure and details how a proposal becomes a policy. The ARIN Board of Trustees ratifies policies only after:

- a discussion is conducted on mailing lists and at biannual Public Policy meetings;

- the ARIN Advisory Council makes a recommendation that, based on these discussions, community consensus has been reached that the proposal should be a policy.

The Policy Proposal Archive (http://www.arin.net/policy/proposals/proposal_archive.html) contains the status of current proposals as well as complete information concerning previous policy proposals.

How to Participate in the Process

- Subscribe to the Public Policy Mailing List (PPML) and join in the discussions. The community uses this public forum to raise and discuss policy-related ideas and issues surrounding existing and proposed ARIN policies. All new policy proposals are introduced and discussed on this mailing list. Find subscription information at http://www.arin.net/mailing_lists/.

- Attend biannual ARIN Public Policy Meetings or participate remotely through the meeting webcasts. Current policy proposals are presented and discussed at each meeting. Meeting information is available at http://www.arin.net/meetings/.

- Submit a policy proposal to create a new policy or revise current policy. After reading IRPEP to understand the proposal process, follow the template instructions to submit your proposal.

Internet Resource Policy Evaluation Process

The ARIN Board of Trustees ratifies Internet resource policies only after a full public discussion, a recommendation from the ARIN Advisory Council, and expressed consensus in support of the policy among the community.

The IRPEP governs the steps necessary to adopt a policy proposal, and is available on ARIN's website at http://www.arin.net/policy/irpep.html.

The document remained unchanged throughout 2005.

Policy Proposal Discussions and Actions in 2005

Policy text, mailing list archives, and meeting minutes are available at the following URLs:

Policy Proposal Text and Status Reports

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

Mailing List Archives

http://www.arin.net/mailing_lists/

ARIN Public Policy and Members Meeting Minutes

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

Board of Trustees Meeting Minutes

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

Advisory Council Meeting Minutes

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

Policy Proposal Discussion Summaries and Status

The following are the policy proposals that were either discussed or acted on in 2005. For additional details, please see the URL for each specific proposal.

2004-3

Title: Global Addresses for Private Network Inter-Connectivity

http://www.arin.net/policy/proposals/2004_3.html

ARIN XV Discussion: The AC determined that this proposal had community support.

Status as of 12/31/2005: Adopted by the Board of Trustees on June 16, 2005 and implemented by staff on September 7, 2005.

2004-8

Title: Allocation of IPv6 Address Space by the Internet Assigned Numbers Authority (IANA) Policy to Regional Internet Registries

http://www.arin.net/policy/proposals/2004_8.html

ARIN XV Discussion: The AC determined that this proposal had community support.

Status as of 12/31/2005: Adopted by the Board of Trustees on June 16, 2005. This is a proposed global policy; implementation is pending adoption as a global policy.

2004-5

Title: Address Space for Multiple Discrete Networks

http://www.arin.net/policy/proposals/2004_5.html

ARIN XV Discussion: The AC determined that this proposal had community support.

Status as of 12/31/2005: Adopted by the Board of Trustees on June 16, 2005 and implemented by staff on September 7, 2005.

2005-1

Title: Provider-independent IPv6 Assignments for End Sites

http://www.arin.net/policy/proposals/2005_1.html

ARIN XV Discussion: The AC found community support to revise the text and shepherd the proposal.

ARIN XVI Discussion: The AC found community support to revise the text and shepherd the proposal.

Status as of 12/31/2005: A revised version of the proposal will be presented at ARIN XVII.

2005-2

Title: Directory Services Overhaul

http://www.arin.net/policy/proposals/2005_2.html

ARIN XV Discussion: The AC found community support to revise the text and shepherd the proposal. The proposal was subsequently withdrawn by the author.

Status as of 12/31/2005: Closed

2005-3

Title: Lame Delegations

http://www.arin.net/policy/proposals/2005_3.html

ARIN XV Discussion: The AC determined that this proposal had community support.

Status as of 12/31/2005: Adopted by the Board of Trustees on June 16, 2005. Implementation is pending.

2005-4

Title: AfriNIC Recognition Policy

http://www.arin.net/policy/proposals/2005_4.html

ARIN XV Discussion: The AC determined that this proposal had community support.

Status as of 12/31/2005: The AC recommended adoption. The proposal is awaiting review by the Board of Trustees.

2005-5

Title: IPv6 HD Ratio

http://www.arin.net/policy/proposals/2005_5.html

ARIN XV Discussion: The AC determined that this proposal had community support.

Status as of 12/31/2005: The AC recommended adoption. The proposal is awaiting review by the Board of Trustees.

2005-6

Title: IPv4 Micro-allocations for Anycast Services

http://www.arin.net/policy/proposals/2005_6.html

ARIN XVI Discussion: The AC abandoned this proposal due to lack of community support.

Status as of 12/31/2005: Abandoned.

2005-7

Title: Rationalize Multi-Homing Definition and Requirement

http://www.arin.net/policy/proposals/2005_7.html

ARIN XVI Discussion: The AC determined that this proposal had community support.

Status as of 12/31/2005: The AC recommended adoption. The proposal is awaiting review by the Board of Trustees.

2005-8

Title: Proposal to amend ARIN IPv6 assignment and utilisation requirement

http://www.arin.net/policy/proposals/2005_8.html

ARIN XVI Discussion: The AC found community support to revise the text and shepherd the proposal.

Status as of 12/31/2005: A revised version of the proposal will be presented at ARIN XVII.

2005-9

Title: 4-Byte AS Number

http://www.arin.net/policy/proposals/2005_9.html

Introduction on PPML: The ARIN Advisory Council concluded its review of this proposed policy and agreed to forward it as a formal proposal for discussion by the community. It will be presented at ARIN XVII.

Status as of 12/31/2005: Under discussion.

2005 NRPM Updates

Version 2005.1 of the NRPM was released on September 7, 2005. Ratification of the policy proposals that necessitated this update came from the ARIN Board of Trustees at its meeting on June 16, 2005.

The 2005.1 release incorporated policy text from the adoption and implementation of the following:

- Policy Proposal 2004-3: Global Addresses for Private Network Inter-Connectivity
- Policy Proposal 2004-5: Address Space for Multiple Discrete Networks

Policy Proposal 2004-8 was inserted into Chapter 10 of the ARIN Number Resource Policy Manual (NRPM) as a proposed global policy.

In addition, editorial updates were made in the NRPM per the recommendation of the Advisory Council and the subsequent adoption by the Board of Trustees at its meeting on August 8, 2005.

Appendix A of the NRPM contains information regarding changes to the manual.

References

The Number Resource Policy Manual (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

Board of Trustees minutes can be found at:
http://www.arin.net/meetings/minutes/bot/index.html

REGISTRATION SERVICES STATISTICS

Below are charts with information about highlighted ARIN statistics. Data is shown both in the context yearly for the period of 1999 - 2005 and also aggregated by month for the current year. These statistics, both historical and for the current year are available at http://www.arin.net/statistics/.

IPv4 Requests by Category 1999 - 2005
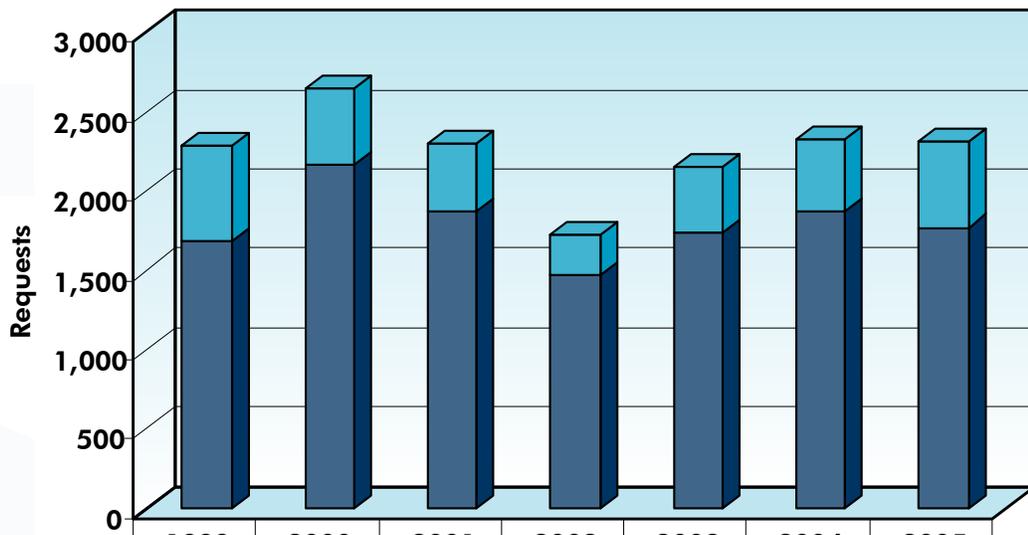
	1999	2000	2001	2002	2003	2004	2005
■ New End-user Requests	595	471	418	254	403	459	539
■ New ISP Requests	1,693	2,174	1,879	1,470	1,746	1,876	1,774

2005 Requests for IPv4 Address Space
(by category)
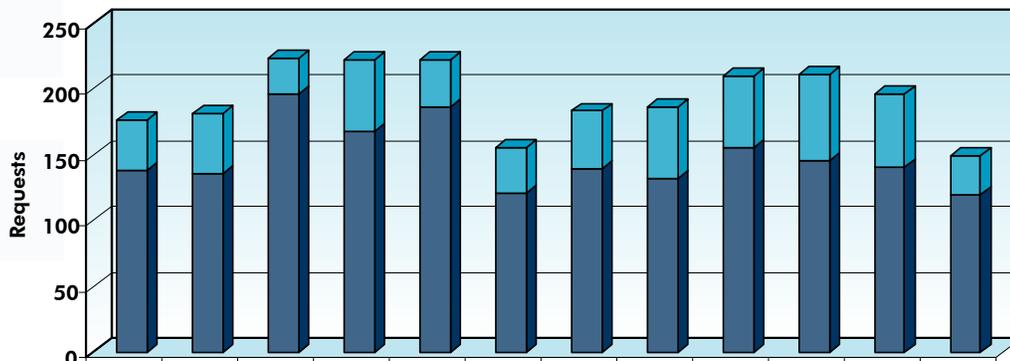
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
■ New End-user Requests	38	46	27	54	36	34	44	54	54	66	56	30
■ New ISP Requests	138	135	196	168	186	121	139	132	155	145	140	119

ARIN IPv4 Delegations by Category 1999 - 2005

	1999	2000	2001	2002	2003	2004	2005
/24s Issued to End-users	3,800	5,008	4,070	2,657	3,338	5,135	2,803
/24s Issued to ISP's	81,039	129,321	143,696	87,708	79,168	103,545	188,159
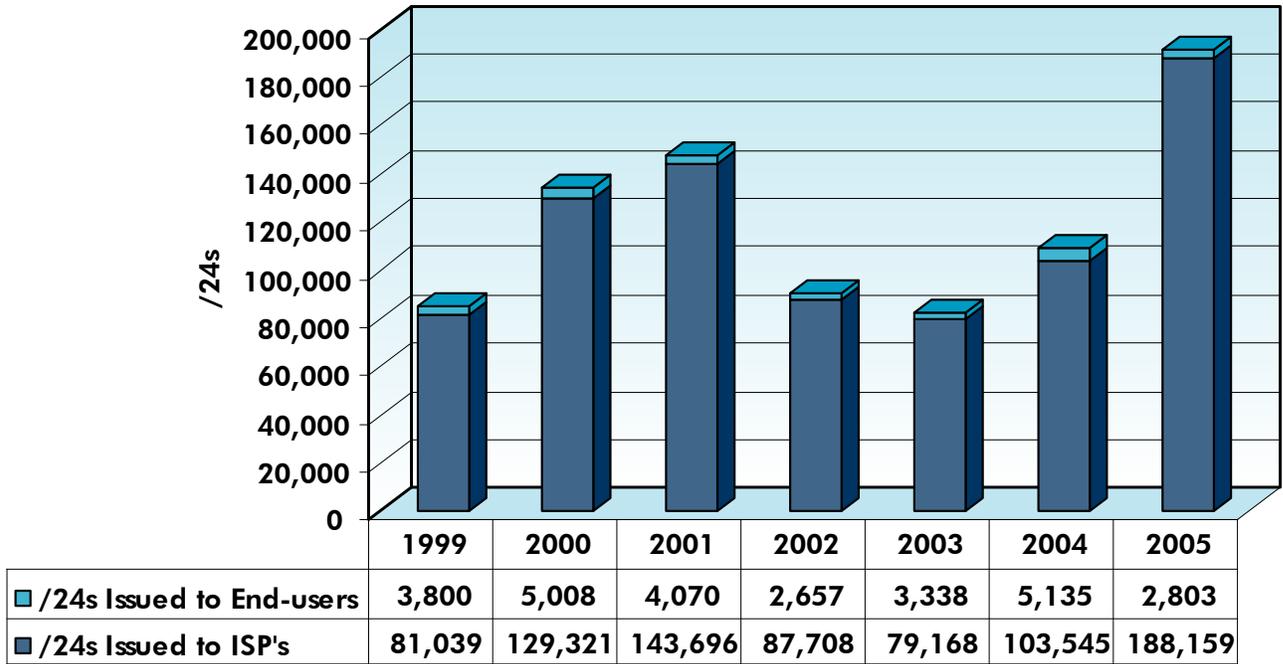
2005 IPv4 Delegations Issued By ARIN
(listed in /24s)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
/24s Issued to End-users	129	392	228	410	286	136	208	204	108	144	186	372
/24s Issued to ISPs	13,805	5,948	58,500	15,469	8,176	13,932	9,364	16,784	10,560	7,057	17,036	11,528
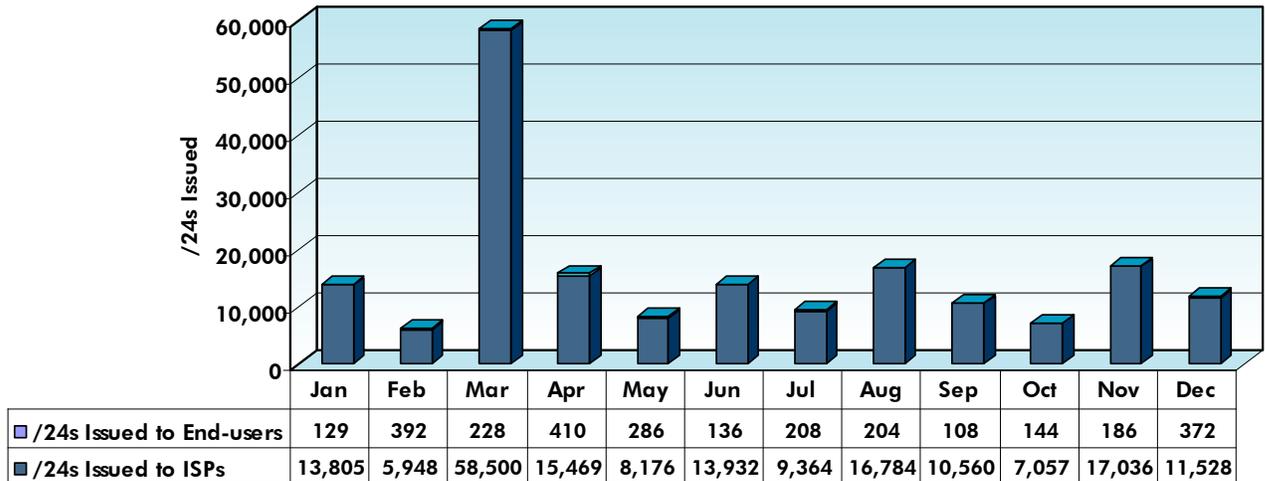
ARIN uses /24 equivalents as the "common denominator" for measuring the larger (/19, /16, etc.) IPv4 address blocks that ARIN actually delegates. In IPv4, one /19 equals thirty-two /24s, and one /16 equals two hundred and fifty-six /24s.

ARIN IPv6 Initial Allocations 1999 - 2005
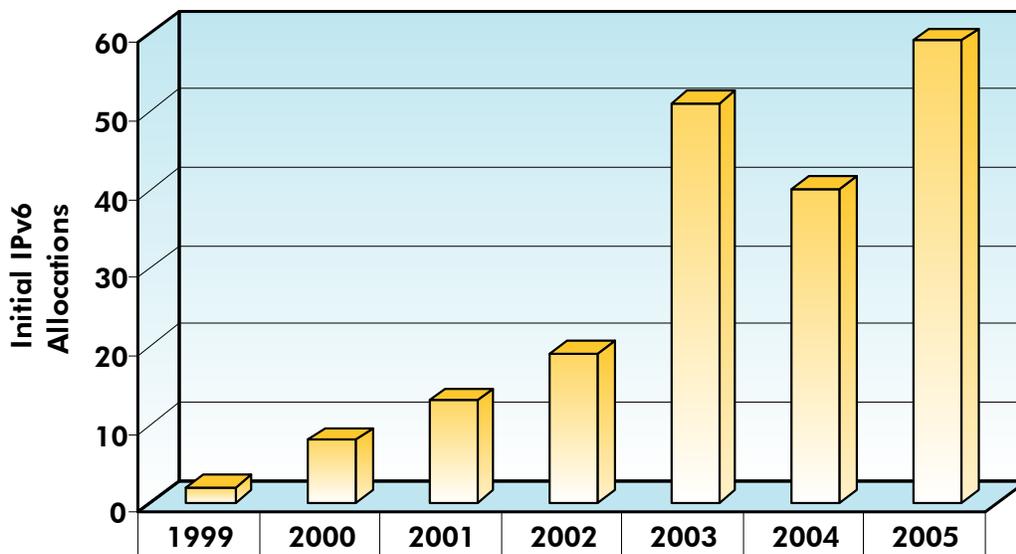
	1999	2000	2001	2002	2003	2004	2005
IPv6 Initial Allocations Issued	2	8	13	19	51	40	59

## 2005 IPv6 Address Requests and Allocations Issued By ARIN
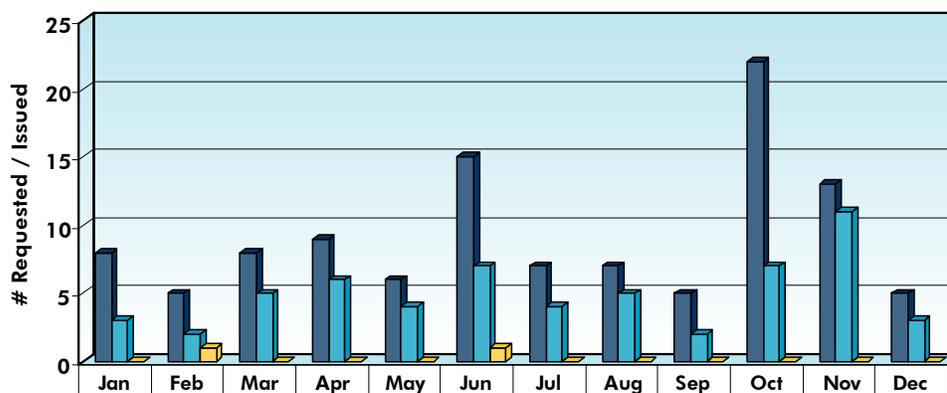
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
■ Total v6 requests	8	5	8	9	6	15	7	7	5	22	13	5
■ IPv6 /32 Allocations Issued (Initial)	3	2	5	6	4	7	4	5	2	7	11	3
■ IPv6 /48 Allocations Issued (Micro-allocations)	0	1	0	0	0	1	0	0	0	0	0	0

AS Numbers

AS Numbers Issued by ARIN 1999 - 2005

	1999	2000	2001	2002	2003	2004	2005
ASNs Issued	1,685	2,901	2,635	1,933	1,773	1,654	1,546

2005 AS Numbers Issued By ARIN

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ASNs Issued	96	116	171	126	146	154	143	123	99	112	126	134
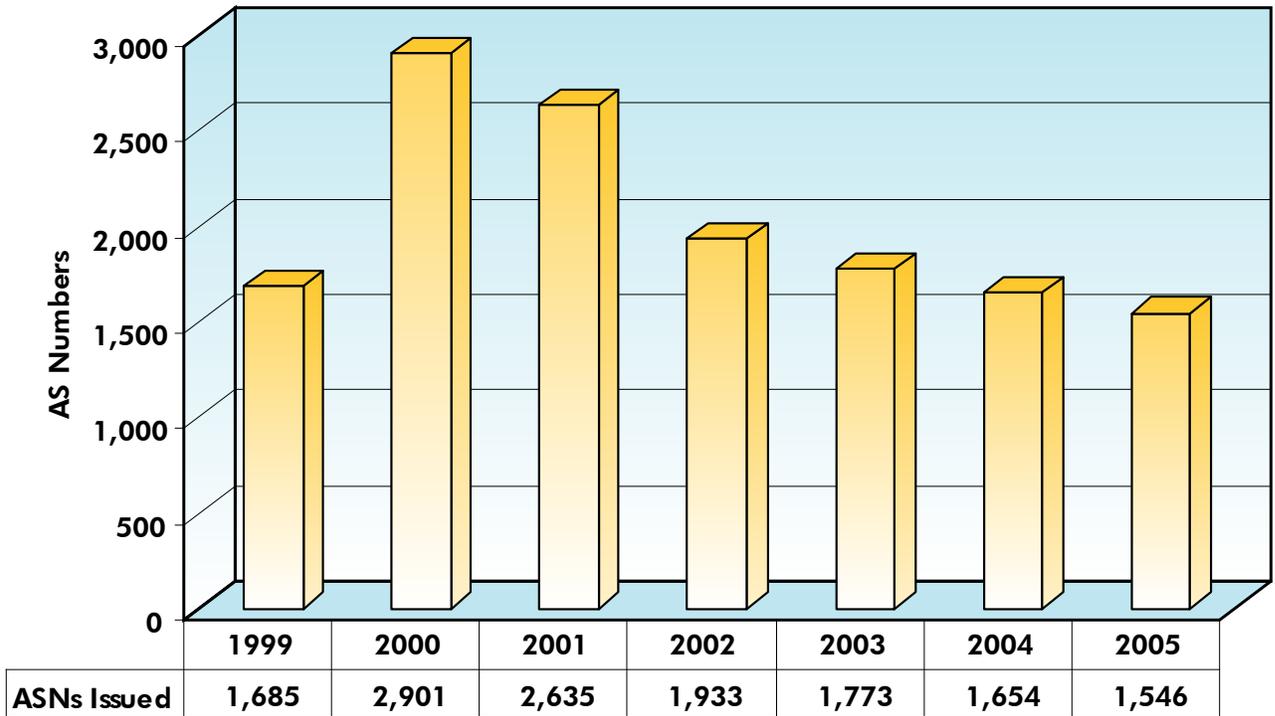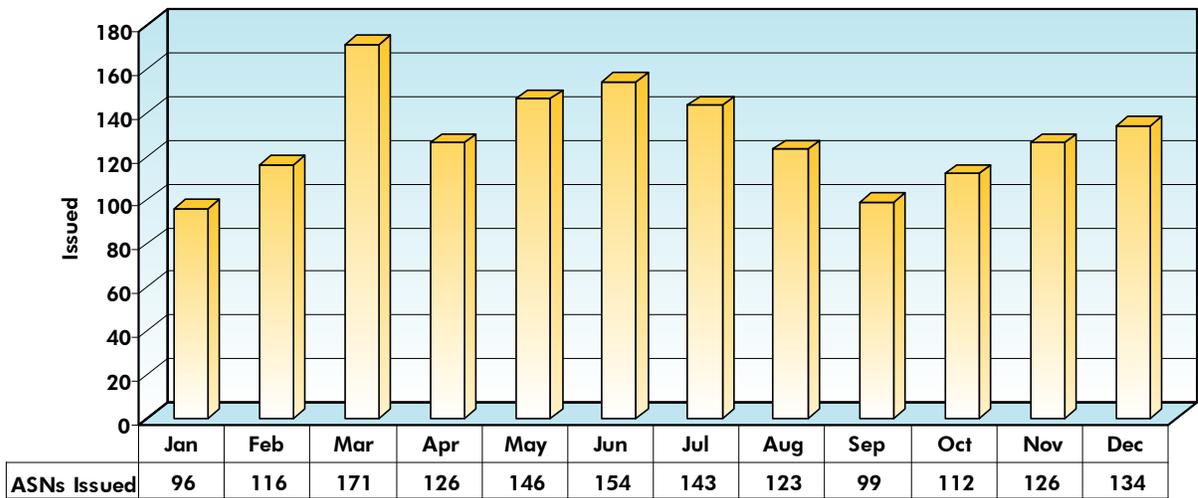
SWIP Templates Processed by ARIN 1999 - 2005
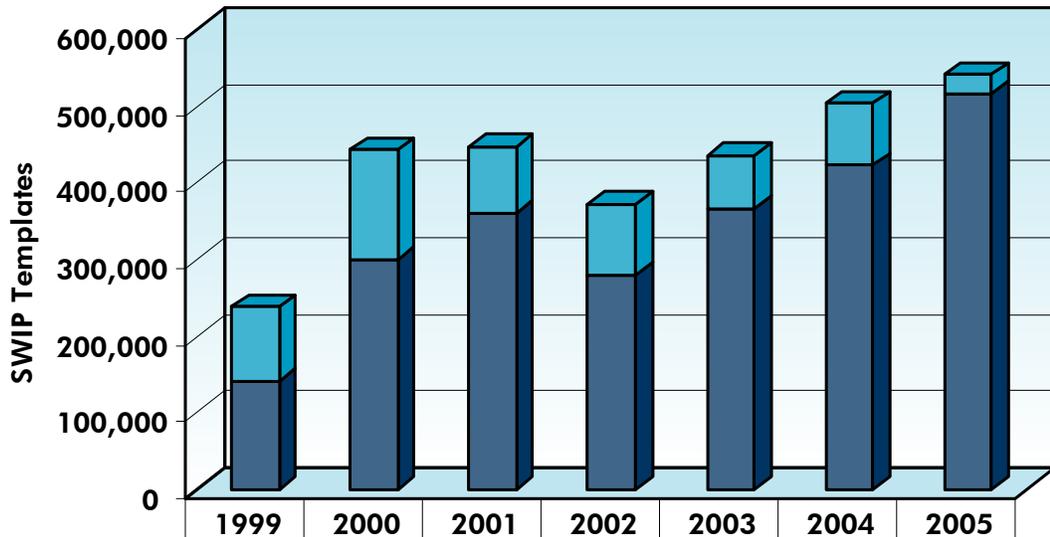
|	1999	2000	2001	2002	2003	2004	2005
☐ SWIPs Processed - Manually	96,855	142,333	86,536	92,901	68,347	81,615	24,531
☐ SWIPs Processed - Automatically	141,232	300,101	360,519	278,975	366,828	422,055	515,747

2005 SWIP Templates Processed By ARIN
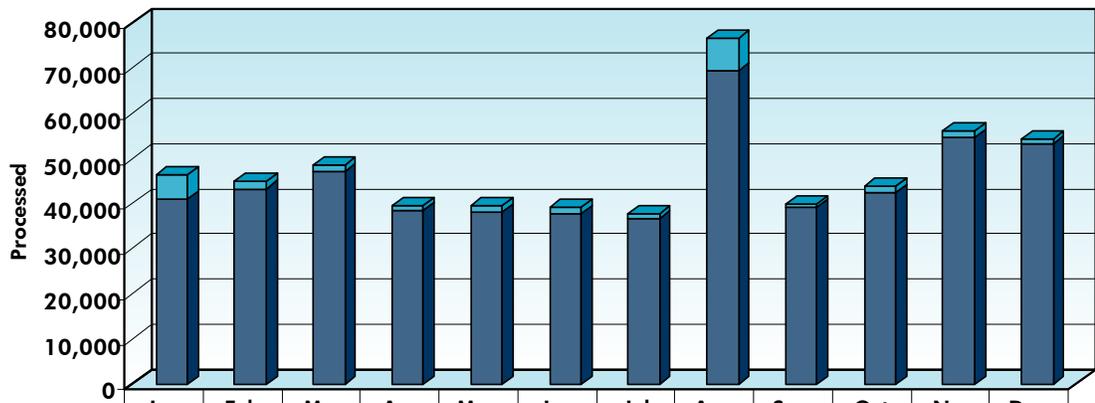
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
☐ SWIPs Processed - Manually	5,088	1,457	1,229	1028	1,208	1,202	1,162	7,306	1,032	1,508	1,201	1,110
☐ SWIPs Processed - Automatically	41,060	43,246	47,090	38,543	38,114	37,786	36,418	69,168	38,934	42,178	54,697	53,045

## Total Transfers Completed 1999 - 2005
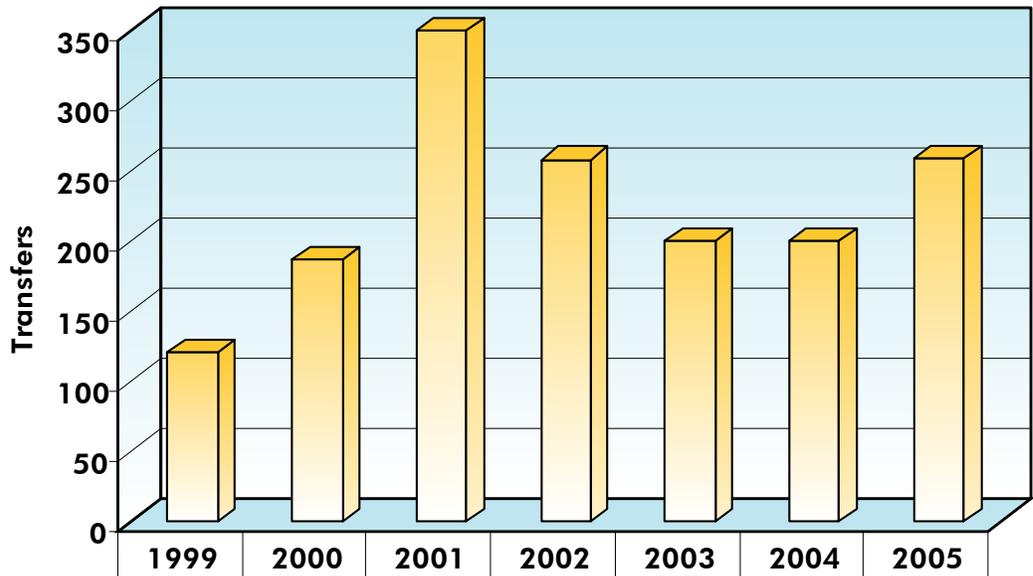
	1999	2000	2001	2002	2003	2004	2005
Completed Transfers	121	187	350	258	200	200	259

2005 New Requests for Transfers and Completed Transfers
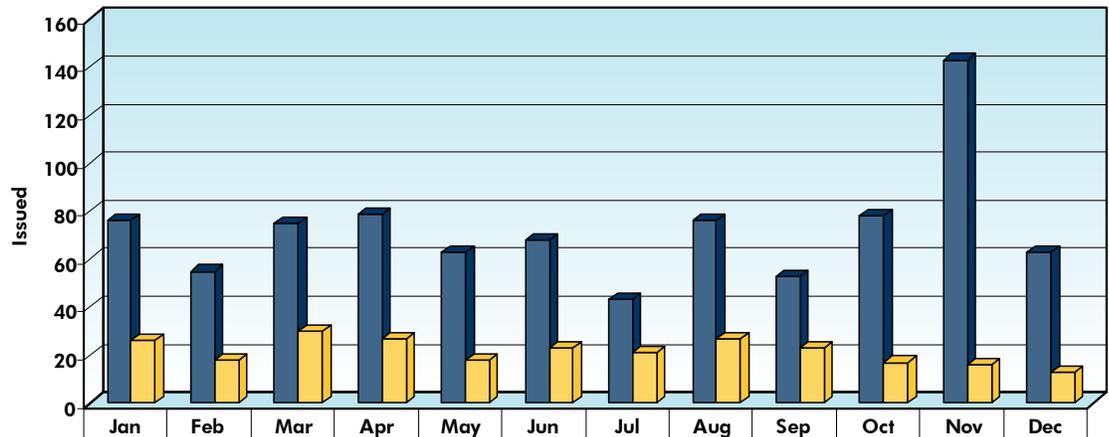
|	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
New Transfers requested	76	55	75	79	63	68	43	76	53	78	143	63
Completed Transfers	26	18	30	27	18	23	21	27	23	17	16	13

E-Mail Received at hostmaster@arin.net 1999 - 2005
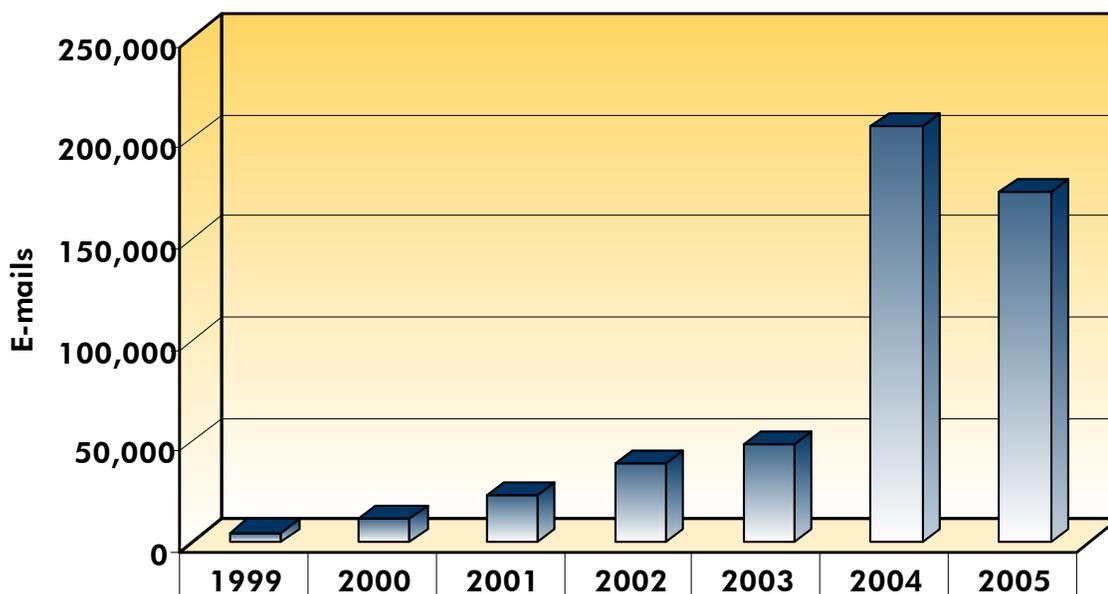
	1999	2000	2001	2002	2003	2004	2005
E-mail Received at hostmaster@arin.net	5,070	11,548	23,334	38,882	48,772	205,622	173,131

Numbers above do not include e-mails containing template submissions.

2005 ARIN Membership
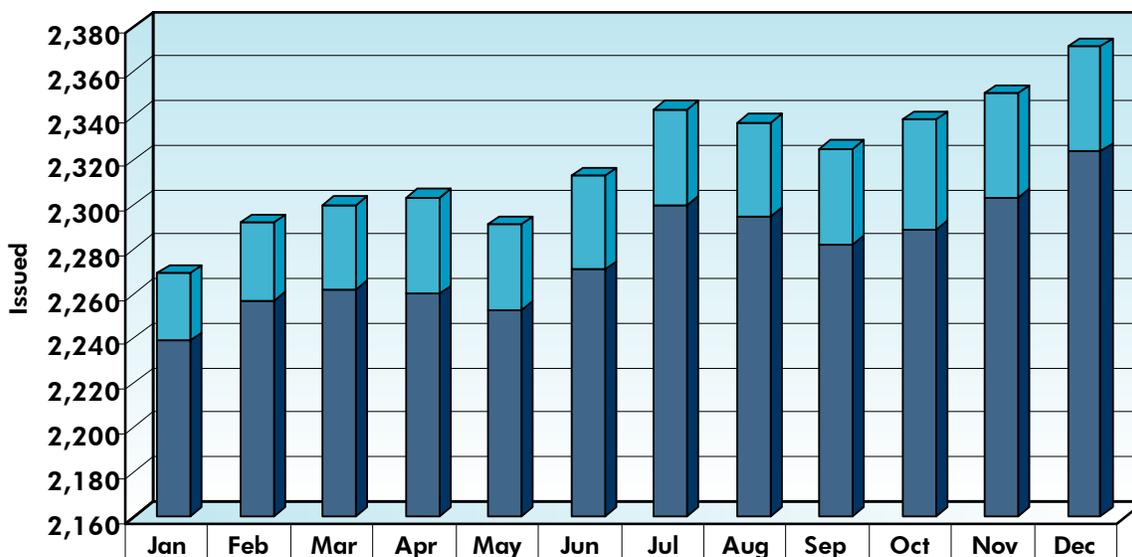
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
☐ Non-subscribers	30	35	38	43	38	42	43	42	43	49	47	47
☐ Subscribers	2,239	2,257	2,262	2,260	2,253	2,271	2,300	2,295	2,282	2,289	2,303	2,324

Any individual or entity may become a General Member of ARIN by receiving and paying for a direct allocation of IP address space from ARIN or by completing a Membership Application Form and paying an annual membership fee. Membership remains active as long as the organization remains General Member in good standing.

As of December 31, 2005, ARIN membership was comprised of 2,129 organizations from the United States, 215 from Canada, 20 organizations based in the Caribbean, and 6 from outside the ARIN region.

American Registry for Internet Numbers