ARIN

American Registry for Internet Numbers

ANNUAL REPORT 2023

The American Registry for Internet Numbers, a nonprofit, member-based organization, supports the operation of the Internet through the management of Internet number resources throughout its service region; coordinates the development of policies by the community for the management of Internet Protocol number resources; and advances the Internet through informational outreach.

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ABOUT ARIN

What is ARIN?

The **American Registry for Internet Numbers** (ARIN) is a nonprofit, member-based organization whose primary role is managing the distribution of Internet number resources (IPv4 and IPv6 addresses and Autonomous System Numbers [ASNs]) to entities within its service region. Established in December 1997 in Chantilly, Virginia, ARIN is one of five Regional Internet Registries (RIRs) that not only ensure the uniqueness of IP addresses and ASNs but also support the operation and growth of the Internet through technical coordination, collaboration, and the promotion of the participatory policy development model. ARIN, as a responsible steward of Internet number resources within its region, contributes to sustainable Internet development by ensuring the transparency of the distribution process, the accuracy of registration data, and the openness of the community-driven policy development process.

Services Offered

Registration Services
ARIN's primary function is the allocation and transfer of Internet number resources, but ARIN also maintains Whois and Whowas records, reverse delegation registration (also known as reverse Domain Name System [DNS]), and help desk and customer support services.

Technical Services
ARIN develops, implements, and supports both internal systems and community services like ARIN Online, Registration Data Access Protocol (RDAP), the Internet Routing Registry (IRR), and Resource Public Key Infrastructure (RPKI).

Organization Services
ARIN coordinates meaningful interaction between members, stakeholders, and the organization through the facilitation of an inclusive policy development process, information services and mailing lists, outreach and education, and community engagement through events.

ARIN's Service Region

ARIN currently serves approximately **40,000** organizations and manages roughly **8 million** registration records, including both public Whois records and internal database records.
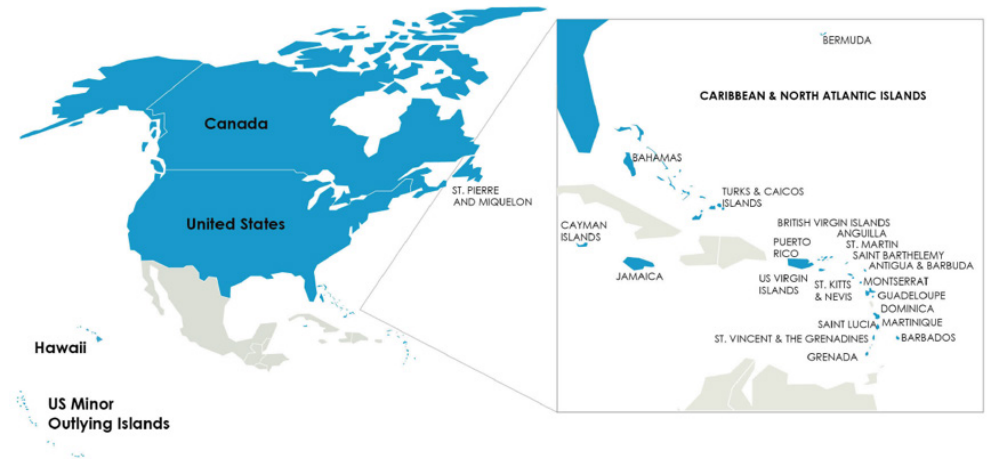
The ARIN region includes Canada, more than 25 Caribbean and North Atlantic economies, Antarctica, and the United States and minor outlying areas.

FROM THE PRESIDENT AND BOARD

Greetings from John Curran, President and CEO, and Bill Sandiford, Chair of the Board of Trustees.

We cannot emphasize enough the critical role community engagement plays in the vitality and progress of ARIN. Throughout 2023, we have upheld our dedication to excellence in Internet number registry services, with a keen focus on enhancing Internet routing security, safeguarding the collaborative governance of the Internet, fortifying ARIN's organizational structure and practices, and expanding our support and outreach, particularly for our members in the Caribbean.

This year's annual report highlights our strategic achievements, showcasing comprehensive updates on our customer-centric initiatives, enhancements to our tools and services, and significant accomplishments in information security and data protection.

As always, engaging with our community and seeking your input has been a cornerstone of our operations. Your feedback throughout the year has been instrumental in guiding decisions regarding ARIN's governance and offerings. ARIN thrives on the active involvement of its members, who contribute in various ways—be it voting, attending meetings, or engaging in the Internet number resource policy development process. This collective effort ensures our mission's success.

We extend our deepest gratitude to each of you for your indispensable support and commitment, which have been crucial to ARIN's achievements in 2023. As we look forward to 2024, we are excited to continue this collaborative journey, embracing further positive developments.

With appreciation,

John Curran
President and CEO, ARIN

Bill Sandiford
Chair, ARIN Board of Trustees

ARIN President and CEO John Curran, left, and ARIN Board of Trustees Chair Bill Sandiford at ARIN 52 in San Diego, California.

BOARD OF TRUSTEES

The Board establishes and maintains authority over ARIN's scope, mission, and strategic and fiscal direction. The Board also oversees committee nominations, appointments, and elections, and votes on community-developed draft policies in accordance with the Policy Development Process (PDP).

In 2023, the Board of Trustees consisted of seven members and a Board Secretary, following the resignation of an eighth Trustee, Bram Abramson, early in the year. Six members were elected by ARIN's membership, and the President and CEO of ARIN, John Curran, served as the seventh member. The role of Board Secretary was fulfilled by ARIN's General Counsel, Michael Abejuela.

In 2023, the Board held four in-person meetings. The rest of the meetings were held via teleconference.

2023 ELECTION RESULTS

In October 2023, Dan Alexander was elected to the ARIN Board of Trustees, and incumbents Nancy Carter and Tina Morris were reelected to the Board of Trustees. Each will serve a three-year term commencing 1 January 2024. In addition, Chris Tacit was elected to a one-year partial term to fill the seat left open by Bram Abramson's resignation.
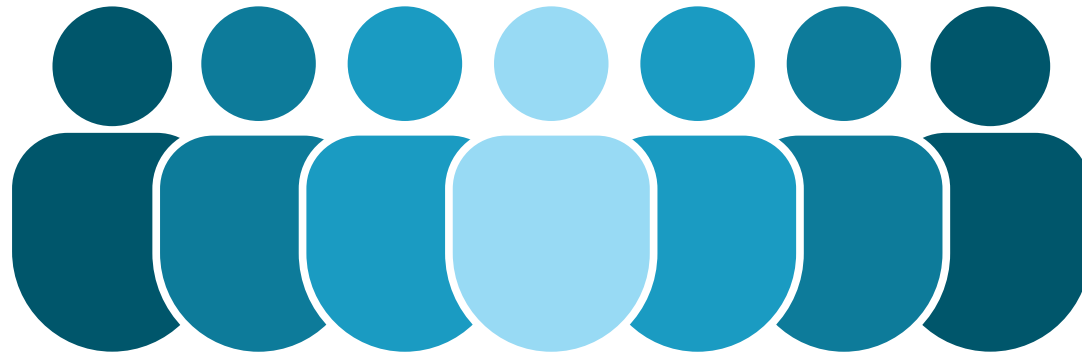
LEARN MORE ABOUT THE PDP

2023 BOARD MINUTES

ARIN ELECTION PROCESSES

BOARD ACTIONS

Adopted ARIN Board Standing Rules

Elected officers:
  Bill Sandiford, Chair
  Tina Morris, Vice Chair
  Michael Abejuela, Secretary
  Nancy Carter, Treasurer

Accepted committee charters
  Compensation Committee Charter, Mailing List AUP Committee Charter, Finance Committee Charter, Nominations Committee Charter, Governance Committee Charter, and Risk and Cybersecurity Committee Charter

Appointed Board members to committees
  Compensation: Bill Sandiford (Chair), Nancy Carter, Tina Morris
  Finance: Nancy Carter (Chair), Hank Kilmer, Tina Morris, Rob Seastrom
  Governance: Nancy Carter (Co-Chair), Peter Harrison (Co-Chair), Hank Kilmer
  Mailing List AUP: Hank Kilmer
  Risk and Cybersecurity: Peter Harrison (Chair), Tina Morris, Rob Seastrom
  Nomination: Peter Harrison (Co-Chair), Hank Kilmer (Co-Chair)
  Election Officer/Vote Counter: Rob Seastrom
  Number Resource Organization (NRO) Executive Council Observer: Bill Sandiford

Adopted ARIN Draft Policies
  • *ARIN-edit-2022-10: Editorial Clean-Up of NRPM Sections 2.4 and 2.5*
  • *Recommended Draft Policy ARIN-2021-8: Depreciation of the 'Autonomous System Originations' Field'*
  • *Recommended Draft Policy ARIN-2022-2: Remove Barrier to BGP Uptake in ASN Policy*
  • *Recommended Draft Policy ARIN-2022-3: Remove Officers Attestation Requirement for Section 8.5.5*
  • *Recommended Draft Policy ARIN-2022-4: Clean-up of NRPM Sections 2.1 and 2.2*
  • *Recommended Draft Policy ARIN-2022-5: Clean-up of NRPM Section 2.11*
  • *Recommended Draft Policy ARIN-2022-8: Streamlining Section 11 Policy Language*
  • *Recommended Draft Policy ARIN-2022-11: Clean-up of NRPM — Introduction of Section 2.17*

Approved the 2022 Elections Report.

Approved the entry of ARIN into a lease agreement for equipment.

Approved having ARIN Board, Advisory Council, and NRO NC members participate in Sexual Harassment Prevention training.

Adopted updated Election Process documents.

Authorized Treasurer to approve future commitments.

Accepted the 2022 Auditor's Report and 2022 audited financial statement.

Adopted the 2022 Board Guidance Letter and Board Nominee Questionnaire.

Accepted ARIN's 2022 IRS Form 990 and 990T.

Approved funding of recommended grants.

Approved Qualified Facilitator Program.

Approved ARIN Strategic Direction.
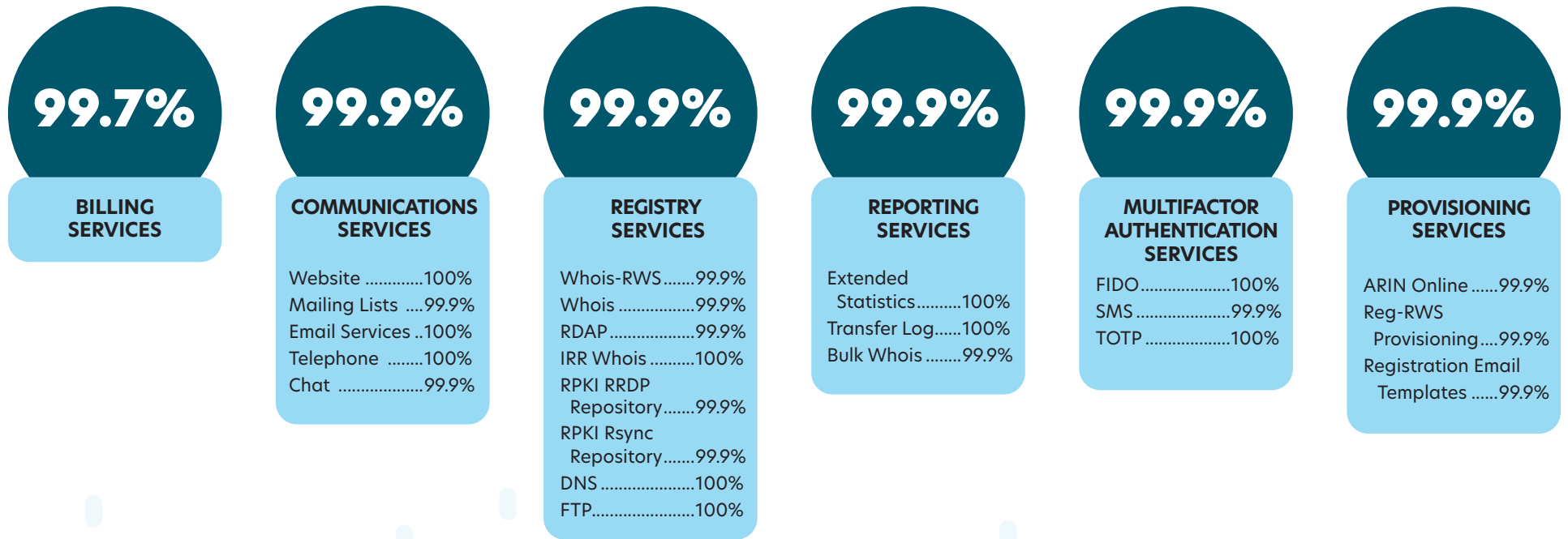
Approved the ARIN 2024 budget.

Adopted 2024 Fee Schedule.

Updated ARIN Succession Plan documents.

Approved IETF financial contribution.

SERVICE LEVEL REPORTS

ARIN reports on service level commitments and performance against those commitments for community-provided services. Visit https://arin.statuspage.io for more information or to subscribe to service level updates.

99.7%
BILLING SERVICES

99.9%
COMMUNICATIONS SERVICES

Website 100%
Mailing Lists 99.9%
Email Services ..100%
Telephone 100%
Chat 99.9%

99.9%
REGISTRY SERVICES

Whois-RWS 99.9%
Whois 99.9%
RDAP 99.9%
IRR Whois 100%
RPKI RRDP
   Repository.......99.9%
RPKI Rsync
   Repository.......99.9%
DNS 100%
FTP......................100%

99.9%
REPORTING SERVICES

Extended
   Statistics.........100%
Transfer Log......100%
Bulk Whois 99.9%

99.9%
MULTIFACTOR AUTHENTICATION SERVICES

FIDO...................100%
SMS 99.9%
TOTP 100%

99.9%
PROVISIONING SERVICES

ARIN Online 99.9%
Reg-RWS
   Provisioning....99.9%
Registration Email
   Templates 99.9%

RICHARD JIMMERSON

Chief Operating Officer

Key Takeaways

Sustained high levels of productivity.

Updated succession planning documentation and processes.

Maintained software and technical infrastructure.

FROM THE COO

I am pleased to present this report for the 2023 operating year. ARIN sustained high levels of productivity in delivering vital Internet infrastructure services to our community this year, as made possible by your continued support. Our scheduled projects and enhancements to registry services were executed in accordance with the goals and objectives set by ARIN's membership-elected Board of Trustees.

We completed several registry improvements this year, including strengthening our security posture by successfully completing a full-year cycle of our Service Organization Controls (SOC) 2 Type 2 audit of our Resource Public Key Infrastructure service. You can find information about our work in that area by reviewing our SOC 3 report. Early in the year, we completed the work necessary to implement mandatory multifactor authorization for all ARIN Online accounts to better secure your records with ARIN and prevent unauthorized access to your important routing and other registry settings. You can find other notable achievements beyond these highlights in other sections of this Annual Report.

At the staff operations level, we concentrated on our succession planning activities this year, as it is important to the strength of the registry that we ensure successful continuation of staff knowledge and leadership. Working together with the Board, we updated our succession planning documentation and implemented testing measures to ensure we keep this activity prioritized into the future.

Along with our service and operations improvements, we also completed several updates to our software and technical infrastructure in 2023. Like many organizations, we have infrastructure and software that needs to be refreshed — some of which has been with us for much of our 25+ years of operations. In addition to implementing new features for you at ARIN, we worked hard this year to ensure our existing code and infrastructure received the care needed to ensure registry excellence.

We would like to express our gratitude for the support that we have received from you throughout the year. We look forward to another successful year in 2024 and remain committed to serving the needs of the Internet community.

Key Takeaways

Established Customer Experience and Strategy (CXS) Department.

Attended 25+ industry events to connect with community members.

Communicated 2024 Fee Schedule changes and Legacy Fee Cap expiration.

Completed a clean external audit of Registration Services processes.

Hosted two Public Policy and Members Meetings and Fellowship Programs.

Funded three projects benefiting the Internet industry and ARIN user environment.

Conducted five community consultations and fielded 20 suggestions for software improvements.

FROM THE CCO

Throughout 2023, the Office of the Chief Customer Officer (CCO) persisted in its pursuit of excellence, aiming to enhance the quality and delivery of services provided by ARIN. Our dedication to improving our offerings and operational efficiency through data-driven analysis led to significant achievements and strategic advancements, ultimately raising the standard of service provided to our members.

In line with ARIN's mission, we bolstered member support by establishing the Customer Experience and Strategy (CXS) Department. The collaboration among the three departments within the CCO office — CXS, Registration Services, and Communications — reaffirmed our steadfast commitment to our members while also demonstrating our broader objective of fostering a dynamic and responsive service environment.

In 2023, ARIN expanded its outreach by participating in more than 25 external events and hosting two ARIN on the Road events in Denver, Colorado, and Rochester, New York. By actively engaging with our customers at these events and through other feedback channels, we ensured that their perspectives remained central to our ongoing progress.

Our initiatives in 2023 were characterized by robust support and transparent communication regarding the 2024 Fee Schedule and the retirement of the legacy fee cap. Following outreach about the legacy fee cap's retirement, the Registration Services Department (RSD) received more than 750 requests from organizations to sign the Legacy Registration Services Agreement in 2023. These changes, coupled with significant modifications to our membership

structure, have expanded eligibility for participation in ARIN Elections and governance, reflecting our unwavering commitment to inclusivity and community engagement.

RSD has upheld its commitment to adhering to community-developed policies, ensuring strict compliance with ARIN's Number Resource Policy Manual and internal procedures. This commitment was underscored by our most recent external audit in November, which confirmed zero instances of noncompliance.

The CXS Department collaborated closely with ARIN's routing security product owner to enhance the organization's routing security services in 2023. These enhancements included developing a simplified user interface for Hosted Resource Public Key Infrastructure (RPKI), releasing a new RESTful API, and streamlining

JOHN SWEETING

Chief Customer Officer

2023 Community Grant Program Recipient Projects

"Open Source RegCtl and PrefixCtl" by FullCtl

"IPv6 Test Pod" by Internet2

"Network Time Protocol Transmission Control Protocol Services Daemon" by Network Time Foundation, Inc.

FROM THE CCO

processes to improve the user experience. We anticipate that these changes will expedite the adoption of routing security services, thereby enhancing the security of the global Internet infrastructure.

The Communications Department successfully hosted two Public Policy and Members Meetings, ARIN 51 in April and ARIN 52 in October, with attendance and participation exceeding pre-pandemic levels. Conducting an ARIN Fellowship Program at each meeting and effectively managing the annual ARIN Elections process underscore our commitment to nurturing the next generation of Internet leaders and facilitating robust policy development discussions and community engagement. In May, in collaboration with the Advisory Council, ARIN released a revised Policy Development Process (PDP).

Through the Community Grant Program, ARIN funded three innovative projects in 2023, contributing $47,000 to enhancing the Internet industry and user

environment within the ARIN region.

The past year was also marked by significant achievements such as:

- Implementing mandatory multifactor authentication for all ARIN Online account holders
- Reclassifying Autonomous System Number-only holders to Service Members
- Making structural changes to ARIN membership
- Launching the new Qualified Facilitator Program

Looking ahead to 2024, the CCO Office remains committed to surpassing customer expectations and delivering exceptional service, prioritizing the needs of our members, customers, and the broader community in all our endeavors. We sincerely thank you for your continued support and eagerly anticipate the opportunity to serve you in the years ahead.

COMMUNITY GRANT PROGRAM

ARIN FELLOWSHIP PROGRAM

ARIN ELECTIONS INFORMATION

ARIN 51 MEETING REPORT

ARIN 52 MEETING REPORT

BRIAN KIRK

Chief Financial Officer

Key Takeaways

Prepared 4% more invoices than 2022.

Saw a nearly 8% increase in revenue.

Added an eCheck payment option.

Oversaw increased investments and returns.

FROM THE CFO

The ARIN Financial Services Department navigated a dynamic economic landscape in 2023, marked by both challenges and opportunities. We are proud to say the department has demonstrated resilience, adaptability, and strategic foresight in managing ARIN's financial resources.

The Financial Services team prepared 32,000 invoices in 2023, which was a 4 percent increase over the total number of invoices for 2022. For 2023, the total amount billed to our customers for their resources and services was $28.8 million, a revenue increase of just under 8 percent. We were pleased to support our customers in 2023 as well, answering just under 3,000 customer service calls relating to billing questions. We look forward to continuing to provide a positive experience for our customers.

To make invoice payment a bit easier for our customers, ARIN added an eCheck payment option in early 2023. More than 200 customers used this option last year, and the avoidance of credit card fees resulted in savings of almost $25,000 for ARIN.

Although ARIN's long-term investment reserves took a dip in 2022 due to the volatile market conditions, we were pleased to see a good rebound in 2023, with positive investment returns of 10.5 percent. We also secured a line of credit with our financial institution, which allowed ARIN to invest more of its cash on hand, resulting in additional earnings of nearly $300,000. ARIN goes into 2024 in a strong financial position, with available cash and investments totaling $30.5 million.

We are looking forward to the positive changes coming to the Financial Services Department in 2024, including upgrades to ARIN's accounting system software. We will also be working closely with ARIN's Customer Experience and Strategy Department to plan and implement automation of key customer-facing and billing processes. We will continue to deliver the customer service you have come to expect from ARIN, and we look forward to a prosperous 2024.

ARIN 2023 BUDGET

MARK KOSTERS

Chief Technology Officer

Key Takeaways

Increased security of API key display.

Added a Routing Security dashboard.

Improved Route Origin Authorization management, including auto-renewal.

Prepared for the retirement of email templates.

FROM THE CTO

2023 was another productive year for the Engineering Department. We deployed five major and 20 minor releases of ARIN Online throughout the year. We also supported an annual security audit and created and implemented processes as required for our successful Service and Organization Controls (SOC) 2 Type 2 and PCI-DSS audits.

We began the year by making multifactor authentication mandatory for ARIN Online users, effective on 1 February. To help support our users, as part of our 3 January release, we added FIDO2/Passkey as an option for authentication. We also improved the security of how ARIN Online displays an organization's API Keys; users are now only shown the full API Key at creation time.

A large focus for the Engineering Department in 2023 was improvements to ARIN's routing security services, some of which began as suggestions by our community as part of our ARIN Consultation and Suggestion Process. In our 27 February and 7 August releases, we improved the user experience for customers by adding a routing security dashboard to ARIN Online to make it easier for organizations to access and manage Resource Public Key Infrastructure (RPKI) and Internet Routing Registry (IRR) services for their resources, as well as making it simpler for organizations to see which of their resources are eligible to use ARIN's routing security services.

In our 13 May release, big changes were made to how Route Origin Authorizations (ROAs) were managed. We removed the requirement for users to generate a public/private key pair to create Resource Certificates and ROAs in ARIN Online, and all ROAs in the repository created using ARIN Online will automatically renew each year. Additionally, we adjusted the RESTful API for ROA management for ARIN's Hosted RPKI services. It is now possible to create and delete multiple ROAs through a single API call, and all ROAs created with the new RESTful API will auto-renew each year. In our 9 October release, we also added notification functionality; when a ROA is deleted in ARIN Online or through Reg-RWS, it will generate a message to the Admin, Tech, and Routing Points of Contact linked to the organization.

RPKI wasn't the only focus for 2023, though. The Engineering Department put forth multiple improvements to ARIN Online, including updating our Fee Calculator to reflect the 2024 Fee Schedule, adding the ability for interested parties to apply for ARIN's Qualified Facilitator Program, and providing new navigation options.

Beyond ARIN Online, the Engineering Department rolled out an open-source template processor in anticipation of the retirement of email templates in 2024, implemented a redesign of the ARIN Vault, focused on reducing our technical debt, and began the work of redesigning our public-facing sites. We also started on a redesign of our deployment model of ARIN Online that is slated to be released in 2024.

We managed the technical aspects for our two Public Policy and Members Meetings, ARIN 51 and ARIN 52, and supported our voting vendor, eBallot, for the 2023 election cycle. We also added the ability for customers to pay their invoices using eCheck, which multiple customers used throughout the year.

2024 promises to be another busy year for our team, but we are looking forward to the challenges ahead and to serving you as best as we can. Keep your feedback and ideas coming!

CHRISTIAN JOHNSON

Chief Information Security Officer, American Registry for Internet Numbers

Key Takeaways

Implemented mandatory multifactor authentication.

Completed SOC 2 Type 2 audit

Achieved PCI DSS compliance.

Conducted security training and assessments.

FROM THE CISO

As organizations increasingly rely on technology to fulfill their missions, the protection of sensitive data, critical infrastructure, and personal information is paramount. With this in mind, ARIN continues to evolve its cybersecurity strategy against a rising tide of digital threats.

In 2023, the Risk and Cybersecurity Committee of ARIN's Board of Trustees, along with ARIN staff, conducted in-depth reviews of the top risks faced by ARIN and ensured that impactful plans are in place to mitigate them.

Beginning in February, mandatory multifactor authentication for all ARIN Online accounts was enforced to help protect registry and customer data. Customers have the option to use SMS, a third-party authenticator, or a security key to validate their login information.

In October, ARIN successfully completed the Service Organization Control (SOC) 2 Type 2 audit of its Resource Public Key Infrastructure (RPKI) and demonstrated compliance with the Payment Card Industry Data Security Standard (PCI DSS) for ARIN Online. ARIN has been working toward these security milestones for several years, and we are pleased to demonstrate our commitment to safeguarding our systems, services, and customer data.

Throughout the year, ARIN's information security training program ensured that staff and volunteers completed security awareness workshops, and we conducted internal cyber incident response exercises to test and validate our policies and procedures. The ARIN executive team and Board of Trustees also participated in a third-party facilitated cyber incident exercise that highlighted our key successes and growth opportunities.

Reaching these milestones represents a deliberate investment in ARIN's security infrastructure, tools, and processes, and, while there is no finish line in security, we are striving for an even more secure 2024 and beyond.

ABOUT SECURITY AT ARIN

ERIN ALLIGOOD

Chief Human Resources Officer

Key Takeaways

Adminstered mandatory training.

Introduced Ombudsperson support at ARIN Public Policy and Members Meetings.

Prepared to comply with requirements for organizations with 100+ employees.

Maintained average employee tenure of 8+ years.

FROM THE CHRO

ARIN's Human Resources and Administration Department had another successful and productive year in 2023. The Human Resources and Administration Department administered two mandatory training courses to all ARIN employees and volunteers: Harassment Prevention and Diversity, Equity, and Inclusion. In addition, as part of ARIN's ongoing commitment to provide an inclusive and safe environment for our employees, volunteers, and community, the presence of an ombudsperson was introduced at the ARIN 52 meeting in San Diego, California, and will now be included at each future ARIN meeting.

As the ARIN organization matures to a staff of nearly 100 employees, the Human Resources and Administration Department spent much of 2023 preparing for various state and federal compliance requirements to which it will be subject going forward. Over the last year, we have also actively enhanced our succession planning documents to ensure appropriate continuity and career paths for potential future leaders in our key roles.

Ombudsperson services have been included in ARIN Public Policy and Members Meetings since ARIN 52.

We are pleased to report that ARIN continues to enjoy an outstanding employee tenure record, with our current average employee tenure exceeding eight years of service. We thank our employees for their ongoing dedication and service to the ARIN community and organization. In particular, we would like to thank Michael O'Neill for 25 years of outstanding service within ARIN's Engineering Department. Michael celebrated this milestone anniversary in March 2023.

ARIN employees continued to work in our hybrid work model throughout the year, and we were pleased to see new and familiar faces roaming the ARIN halls at in-office events and throughout the work week.

Our team looks forward to continued success in 2024.

EINAR BOHLIN

Vice President of Government Affairs

Key Takeaways

Strengthened engagement with Law Enforcement and Public Safety communities.

Encouraged IPv6 adoption, Internet Exchange Point deployment, and digital resilience in the Caribbean.

Communicated ARIN's priorities and programs to the Organization of American States/ Inter-American Telecommunication Commission and the International Telecommunications Union.

Continued partnership with the Messaging, Malware, and Mobile Anti-Abuse Working Group to promote security and anti-abuse efforts.

GOVERNMENT AFFAIRS

The Government Affairs Department (GAD) continued to perform its mission in 2023 by: developing and overseeing outreach and support to the law enforcement community; conducting outreach to cultivate and maintain relationships with governments and Internet industry groups in the Caribbean part of the ARIN region; and continuing engagement with governments and key intergovernmental organizations to support their needs and keep them informed of the perspective of the Internet numbers community. GAD submitted documents to both the Organization of American States (OAS)/ Inter-American Telecommunication Commission (CITEL) and the International Telecommunications Union (ITU) Development Sector highlighting the importance of continuing efforts to deploy IPv6, Internet exchange points, and Resource Public Key Infrastructure (RPKI) as well as the availability of both Grant and Fellowship programs.

GAD also participated in the ITU's Partner2Connect program intended to help connect the unconnected. ARIN pledged funding already earmarked toward helping hardest-to-connect communities and small island developing states.

Our department's ongoing engagement with law enforcement and public safety was strengthened through targeted outreach, education, and collaboration. Some of the organizations we directly engaged with in 2023 included the Federal Bureau of Investigation, the Federal Trade Commission, the Department of Homeland Security (DHS), the DHS Office of the Inspector General, the Assistant Secretary for Cyber, Infrastructure, Risk, and Resilience at DHS, the Office of the Director of National Intelligence, the Canadian Radio and Telecommunications Commission, Interpol, Interpol Americas, the Irish Garda National Cybercrime Bureau, and the New Zealand Department of Internal Affairs.

GAD continued our partnership with the Messaging, Malware, and Mobile Anti-Abuse Working Group (M3AAWG) through our ARIN and Number Resource Organization memberships, as well as our role as a co-chair of the Names and Numbers Committee. M3AAWG provides a collaborative global trusted forum that brings industry together to help fight and prevent online abuse. Our membership and engagement provide ARIN with an opportunity to not only meet and learn from global experts in the security and anti-abuse fields, but to also bring relevant issues and information from the numbering community into M3AAWG.

In the Caribbean, GAD participated in the CaribNOG meeting on Saint Kitts. We presented statistics on IPv6 deployments in the region, which were well received. Capping off the event was the inauguration of SKNIX, the Caribbean's newest Internet exchange point. The exchange point is expected to serve as a hub for local digital services, a catalyst for innovation, and the development of new Internet services on Saint Kitts and Nevis.

Similarly, GAD joined in the Connected Caribbean Summit 2023. ARIN's Director of Caribbean Affairs played a pivotal role in organizing the Summit, serving as host and advocate for the multisector regional collaboration, where participants engaged in meaningful, action-oriented dialogue. At the Summit, a Memorandum of Understanding was signed between ARIN and CARICHAM to foster

EINAR BOHLIN

Vice President of Government Affairs

GOVERNMENT AFFAIRS

From left, ARIN representatives Nate Davis, Einar Bohlin, Leslie Nobile, Michael Abejuela, and Bevil Wooding at the Connected Caribbean Summit in December 2023

collaboration in promoting digital resilience within the private sector.

I am extremely grateful for the work that this team does and proud to be working with Bevil, Leslie, and Nate — as well as every other person at ARIN. Sincere appreciation to all of you!

In closing, the GAD team's efforts in 2023 demonstrate that ARIN is staying alert and can forecast (and often help navigate) the effects of new international Internet public policies and regulations that could impact its work.

2023 OUTREACH EVENTS

EVENTS HOSTED BY ARIN

ARIN 51
16-19 April, Tampa, Florida

ARIN 52
19-20 October, San Diego, California

ARIN on the Road
Denver, Colorado (18 May);
Rochester, New York (26 September)

ARIN Premier Support Plan Roundtable (Virtual)
(by invitation only)
8 March, 21 June, 20 September, 13 December

ARIN Webinars (Virtual)
Get to Know the ARIN Policy Development Process
25 May, 31 May

CALENDAR OF EVENTS

CES
5-8 January, Las Vegas, Nevada

PTC'23
15-18 January, Honolulu, Hawaii

NANOG 87
13-15 February, Atlanta, Georgia

CTO Digital Week
20-24 February, London, United Kingdom

APNIC 55/APRICOT
20 February-2 March, Manila, Philippines

Grenada ICT Week
27 February-3 March, St. George's, Granada

WISPAMERICA
7-9 March, Oklahoma City, Oklahoma

SCaLE 20X
9-12 March, Pasadena, California

ICANN 76
11-16 March, Cancún, Mexico

FISPA Live
14-17 March, Nashville, Tennessee

IETF 116
25-31 March, Yokohama, Japan

CanWISP 2023
27-29 March, Gatineau-Ottawa, Québec-Ontario, Canada

CITEL 42 Meeting of PCC.I
24-28 April, Punta Cana, Dominican Republic

Albuquerque NOG
4 May, Albuquerque, New Mexico

LACNIC 39
8-12 May, Merida, Mexico

Internet2 Community Exchange
8-11 May, Atlanta, Georgia

CHI-NOG 11
11 May, Chicago, Illinois

Caribbean ICT Ministers' Forum
15-16 May, Trinidad and Tobago

Midwest Broadband Operators Conference
18 May, Indianapolis, Indiana

RIPE 86
22-26 May, Rotterdam, Netherlands

Indigenous Connectivity Summit 2023
(sponsorship only)
22-24 May, Anchorage, Alaska

OUTREACH EVENTS IN 2023

ITU-T Standardization Advisory Group
30 May-2 June, Geneva, Switzerland

ICANN 77
12-15 June, Washington, DC

NANOG 88
12-14 June, Seattle, Washington

ITU-D Development Advisory Group
19-23 June, Geneva, Switzerland

CANHEIT
19-21 June, Toronto, Ontario, Canada

ROW 12
20 June, virtual

CANTO Annual Conference & Trade Exhibition
16-19 July, Miami, Florida

Midwest Peering Summit
17-18 July, Des Moines, Iowa

IETF 117
22-28 July, San Francisco, California

Saint Vincent and the Grenadines ICT Roadshow
9-11 August, Kingstown, St. Vincent

19th Caribbean Internet Governance Forum
22-24 August, Port of Spain, Trinidad and Tobago

APNIC 56
7-14 September, Kyoto, Japan

CaribNOG 26, Caribbean Peering & Interconnection Forum, and ARIN Technical Forum
11-12 September, St. Kitts

CCSA Connect
12 September, St. John's, Newfoundland, Canada

Internet2 Technology Exchange
18-21 September, Minneapolis, Minnesota

New England Peering Forum
22 September, Cambridge, Massachusetts

Connected Oklahoma Rural Broadband Summit
27 September, Edmond, Oklahoma

CITEL 43 Meeting of PCC.I
2-6 October, Asuncion, Paraguay

NYSERNet Conference
3-4 October, Syracuse, New York

Wispapalooza
9-12 October, Las Vegas, Nevada

CTU ICT Week 2023
16-20 October, Christ Church, Barbados

NANOG 89
16-18 October, San Diego, California

CANARIE Summit
18-19 October, Montréal, Québec, Canada

ITU-D Study Group 1: *Enabling environment for meaningful connectivity*
23-27 October, Geneva, Switzerland

Connected Caribbean Summit
5-6 December, Miami, Florida

POLICY DEVELOPMENT

The ARIN community engages in a Policy Development Process (PDP) to define how ARIN manages and administers Internet number resources, such as IP addresses and Autonomous System Numbers. Community decisions are recorded as policies and published in the Number Resource Policy Manual (NRPM).

In 2023, 10 proposals were submitted to policy@arin.net. Of those 10, two were still classified as a proposal as of 31 December 2023. The remaining eight were advanced to Draft Policy status and discussed by the community on the Public Policy Mailing List.

Of those eight, two were abandoned by the Advisory Council, and three were promoted as Recommended Draft Policies as a result of community discussions.

The remaining three Draft Policies were classified as under discussion as of 31 December 2023.

INTERNET NUMBER RESOURCE POLICY INFO

Learn more about current draft policies and view the proposal archive:

DRAFT POLICIES AND PROPOSALS

Subscribe to the Public Policy Mailing List (PPML) and discuss ideas for new policies, pending proposals, and draft policies:

PUBLIC POLICY MAILING LIST

Submit a proposal to create a new policy or to revise current policy. Read and follow the instructions in the PDP and submit your proposal:

SUBMIT A POLICY PROPOSAL

PUBLIC POLICY DISCUSSIONS

One of the features of the PDP is the opportunity to discuss policy proposals and changes at ARIN's biannual Public Policy and Members Meetings. ARIN held two meetings in 2023: ARIN 51 in Tampa, Florida, and ARIN 52 in San Diego, California.

2023 MEETING REPORTS

ADVISORY COUNCIL

The Advisory Council (AC) advises the Board of Trustees on Internet number resource policy and related matters and forwards Recommended Draft Policies to the Board for ratification, in adherence with the Policy Development Process (PDP).

In 2023, the AC consisted of 15 elected members and ARIN's President and CEO, who serves as an ex-officio member and AC-Board liaison. Each year, the AC holds three in-person meetings and approximately nine teleconferences. In 2023, the AC met in person three times and met via teleconference for the remainder of their scheduled meetings.

2023 AC MEETING MINUTES

2023 ELECTIONS RESULTS

In October 2023, Elizabeth Goodson and Kaitlyn Pellak were elected, and incumbents Matthew Wilder, Douglas Camin, and Leif Sawyer were reelected to the Advisory Council for three-year terms beginning 1 January 2024 In addition, Matthew Gamble was elected to fill a one-year term to complete the term of Rob Seastrom's Advisory Council seat, and Daniel Schatte has been elected to a one-year term to complete the term of Amy Potter, who submitted her resignation effective 31 December 2023.

ARIN ELECTIONS GUIDELINES

GLOBAL POLICY & THE NRO

The Number Resource Organization (NRO) is a coordinating body for the five Regional Internet Registries (RIRs): AFRINIC, APNIC, ARIN, LACNIC, and RIPE NCC.

The NRO Number Council (NRO NC) fulfills the role of the Internet Corporation of Assigned Names and Numbers (ICANN) Address Supporting Organization Address Council (ASO AC), providing advice to the Board of ICANN on global Internet number resource policy, in conjunction with the RIRs.
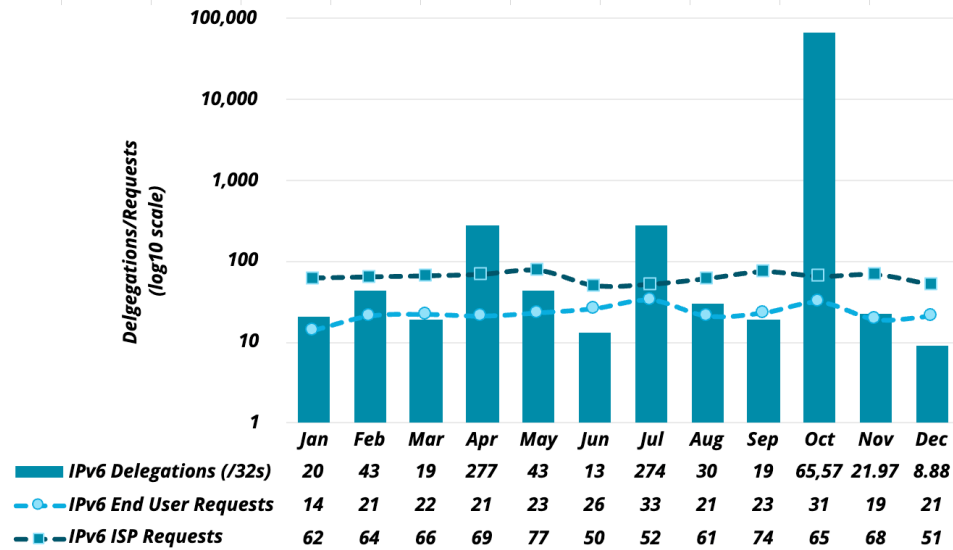
There are three NRO NC representatives from each RIR region. The members from the ARIN region for 2023 were Kevin Blumberg, Nick Nugent, and Christopher Quesada. In 2023, Kevin Blumberg was reappointed to the NRO NC by the ARIN Board of Trustees, and his term will expire on 31 December 2026.

We thank all of them for their service and commitment to the global Internet community.

STATISTICS

IPv6 Address Space Issued and Requested

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
■ IPv6 Delegations (/32s)	20	43	19	277	43	13	274	30	19	65,57	21.97	8.88
– ○ – IPv6 End User Requests	14	21	22	21	23	26	33	21	23	31	19	21
– ■ – IPv6 ISP Requests	62	64	66	69	77	50	52	61	74	65	68	51

IPv4 Address Space Issued and Requested

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
■ IPv4 Delegations (/24s)	33	47	39	361	60	62	197	155	53	75	45	130
– ○ – IPv4 End User Requests	35	34	39	35	37	39	31	29	29	24	26	26
– ■ – IPv4 ISP Requests	134	124	126	123	135	121	116	100	128	125	115	99
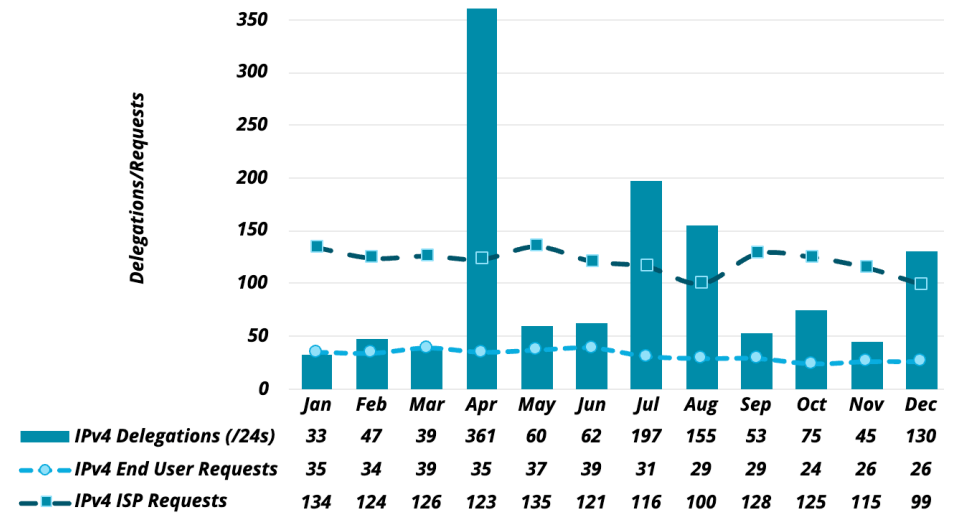
IPv4 Reserved Pool Status — NRPM 4.4 (Micro-allocations)

NRPM 4.4 (Micro-allocations) Remaining 271

NRPM 4.4 (Micro-allocations) Issued 241
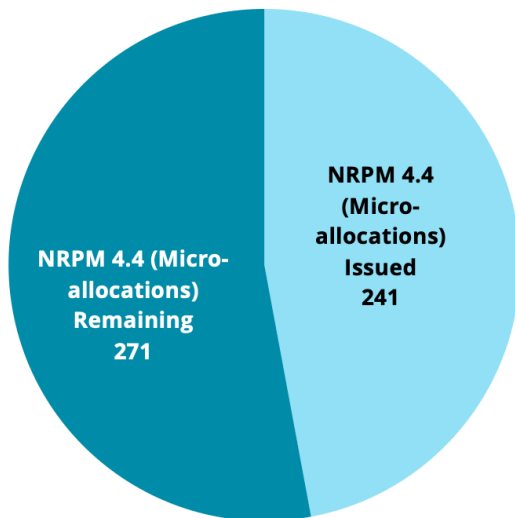
IPv4 Reserved Pool Status — NRPM 4.10 (IPv6 Deployments)

NRPM 4.10 (IPv6 Deployments) Remaining 14,335

NRPM 4.10 (IPv6 Deployments) Issued 2,049
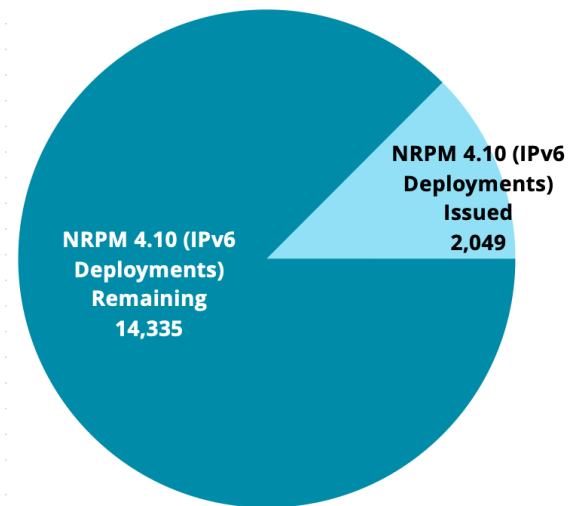
STATISTICS

Transfer Requests by Type

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
8.2 Transfers Requested	49	48	64	49	53	75	70	64	53	77	72	61
8.4 Transfers Requested	18	20	21	18	25	26	22	32	25	26	24	22
8.3 Transfers Requested	149	118	153	135	143	156	139	142	147	125	149	136
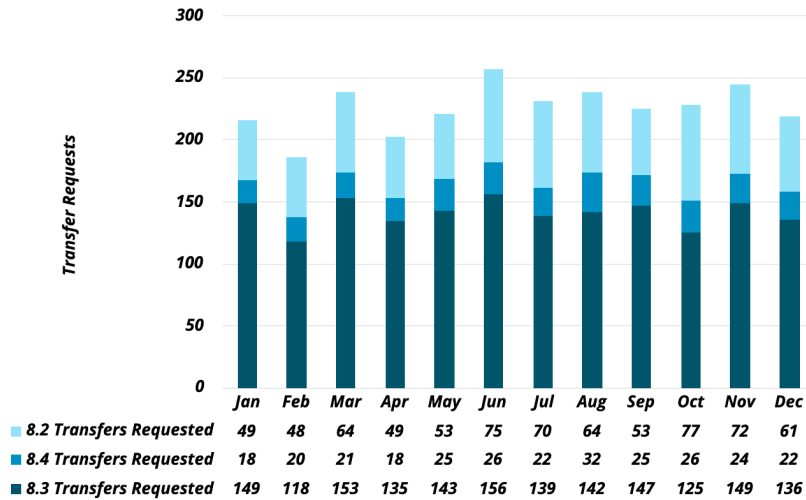
Transfer Tickets Processed by Type

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
8.2 Processed Tickets	63	53	40	52	56	47	45	75	73	50	71	47
8.4 Processed Tickets	14	26	17	17	26	30	22	21	21	26	26	22
8.3 Processed Tickets	122	119	136	145	161	140	164	148	143	124	134	153
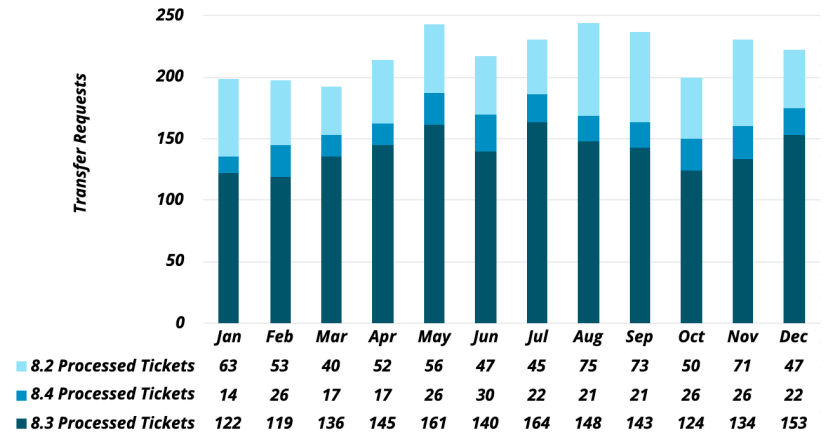
In-Region IPv4 Transfers
(by year and /24s of IPv4 transferred)

	2016	2017	2018	2019	2020	2021	2022	2023
8.3 Transfers (/24s)	65,760	139,072	144,979	110,626	69,339	77,088	118,779	83,898
8.2 Transfer (/24s)	389,650	215,909	814,612	85,559	129,493	184,919	156,005	74,932
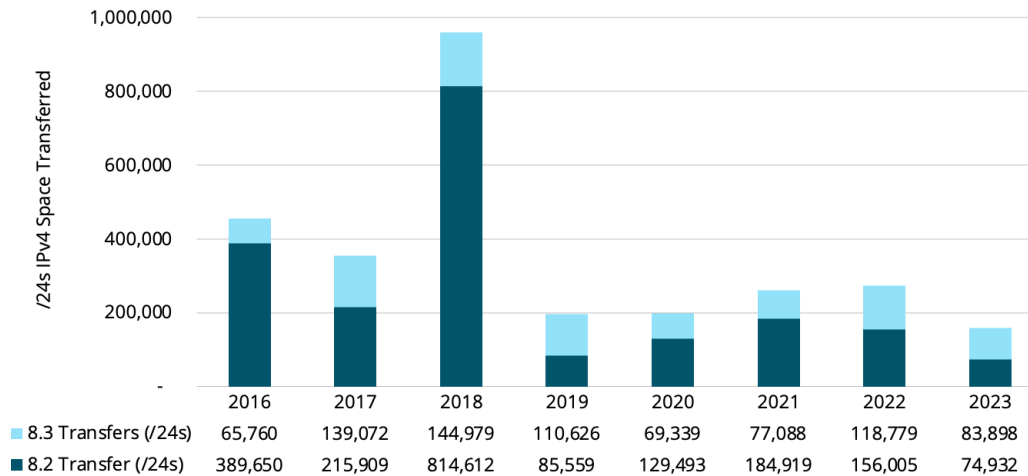
STATISTICS

Inter-RIR (8.4) Transfers to the ARIN region
(by year)

	2016	2017	2018	2019	2020	2021	2022	2023
From LACNIC	-	-	-	-	54	99	56	56
From RIPE NCC	576	485	108	1,071	668	598	8,529	7,841
From APNIC	90	288	23	72	204	250	3,518	597
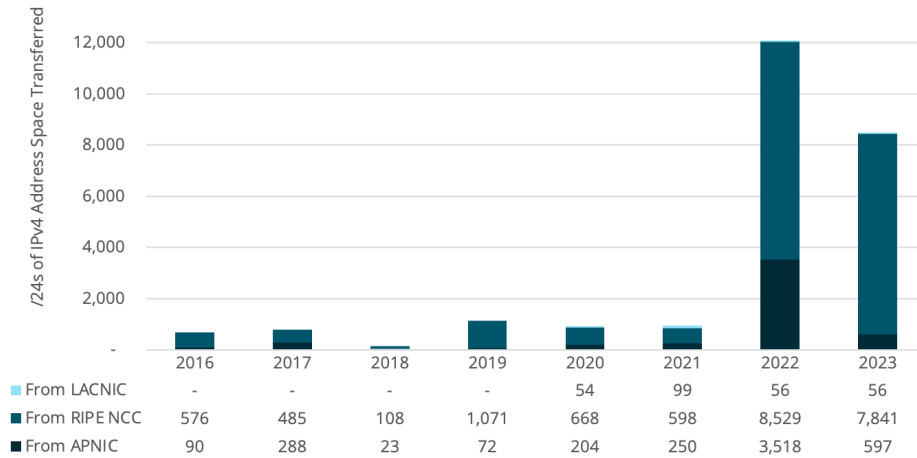
Inter-RIR (8.4) Transfers from the ARIN region
(by year)

	2016	2017	2018	2019	2020	2021	2022	2023
To LACNIC	-	-	-	-	1	91	22	30
To RIPE NCC	5,337	6,143	5,087	4,884	3,317	7,308	25,133	30,221
To APNIC	12,158	5,418	25,612	5,827	3,541	1,445	1,453	209
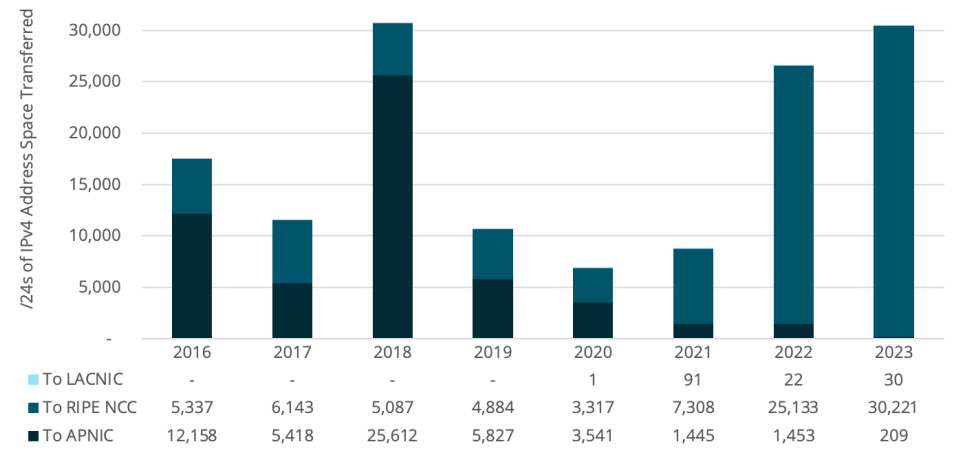
AUDITOR'S REPORT

ARIN operates as a nonprofit 501(c)(6). Federal guidelines do not require nonprofit organizations to undergo an annual financial audit. However, the ARIN Board of Trustees believes a financial audit is the best tool for oversight of financial management.

ARIN has an annual financial audit performed by an independent, outside firm to fulfill the Board's fiduciary responsibility to the community. The financial statements for the year ending 31 December 2023 will be made available for community review on ARIN's public website following the conclusion of our audit.