



ARIN Mission, Services and Policy Development

Susan Hamlin

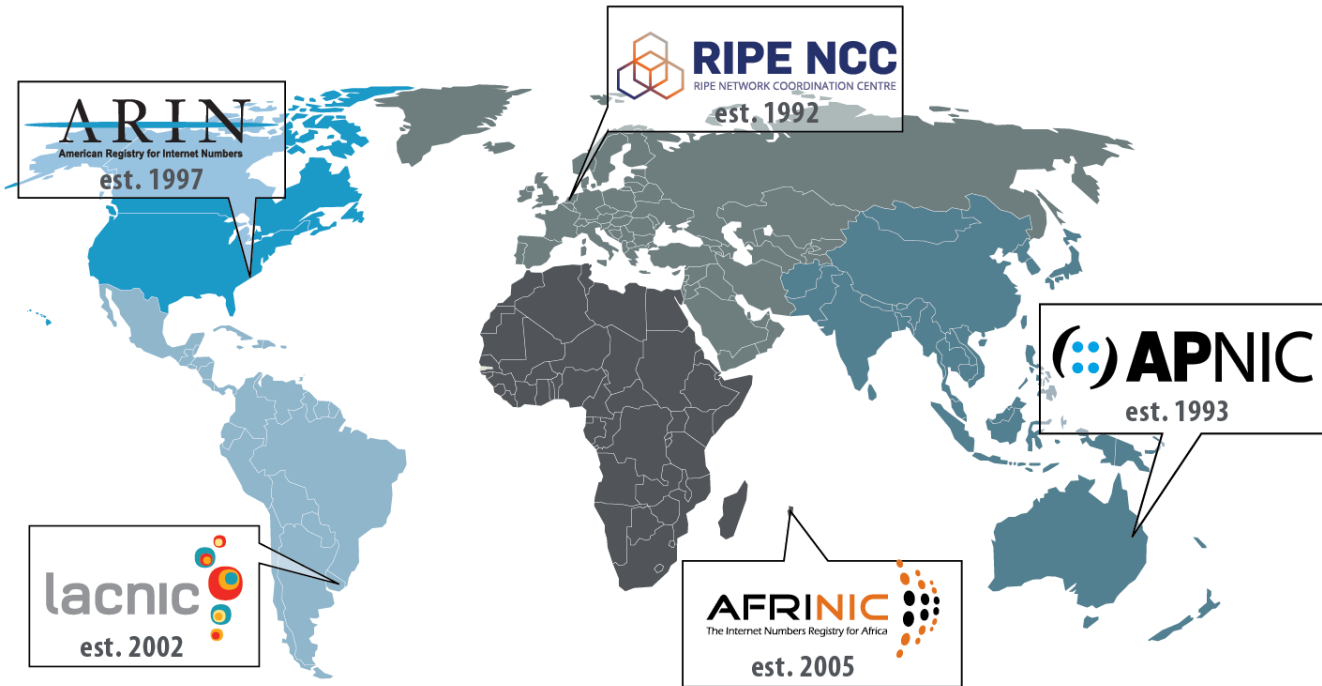
Director, ARIN Communications &
Member Services

ARIN's Mission

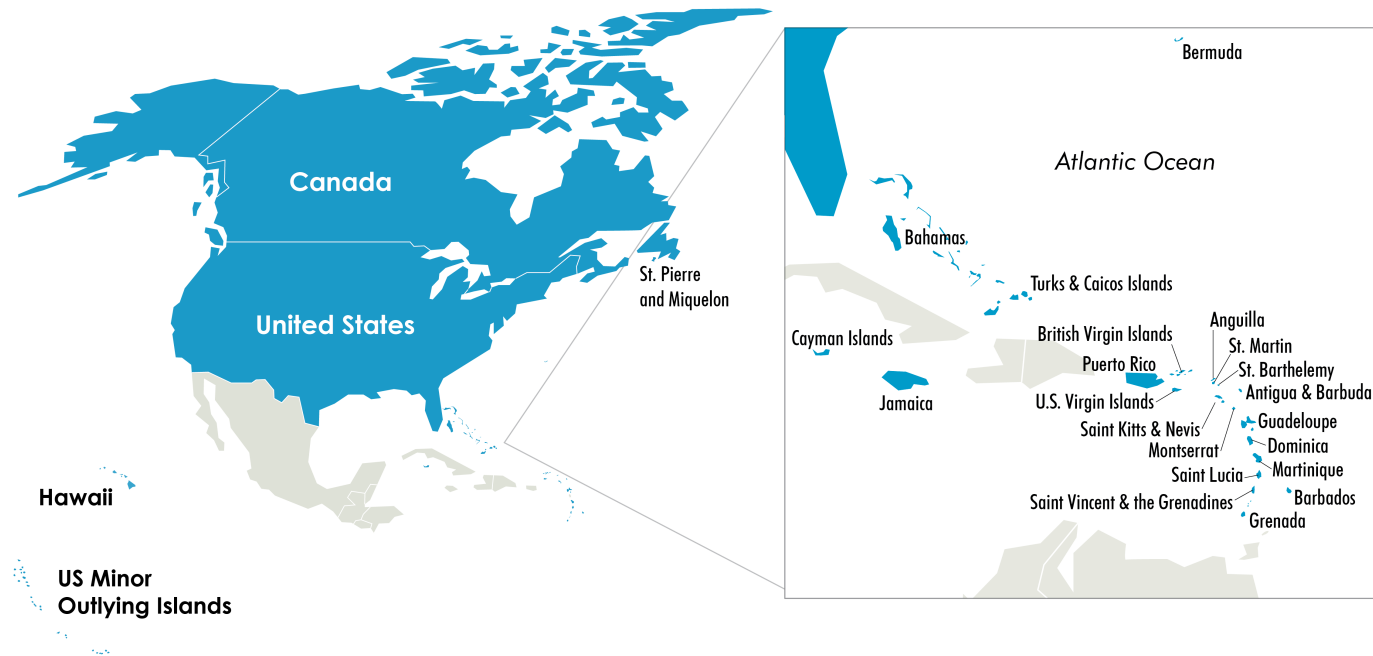
ARIN, a nonprofit member-based organization, supports the operation of the Internet by:

- managing Internet number resources throughout its service region;
- coordinating the development of policies by the community for the management of Internet Protocol number resources; and
- advancing the Internet through informational outreach.

Regional Internet Registries

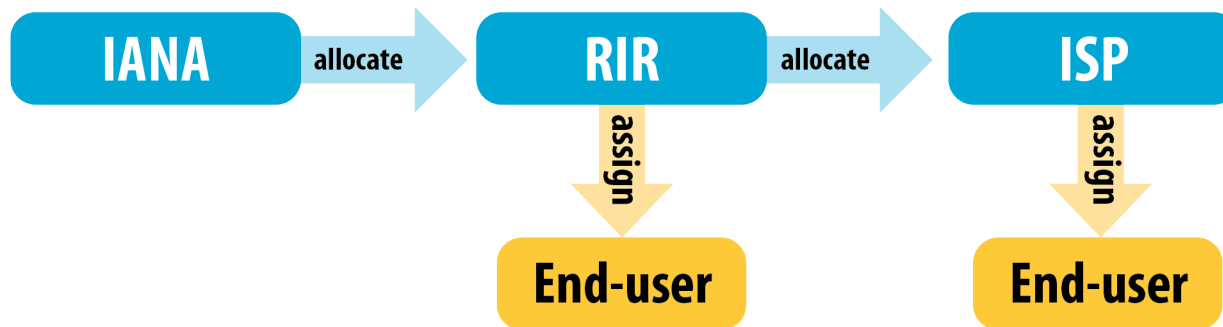


The ARIN Service Region



The ARIN Region includes many Caribbean and North Atlantic islands, Canada, the United States and outlying areas.

IP Address and Autonomous System Number Provisioning Process



RIR Structure

Independent

Not-for-profit

- Fee for services, not number resources
- 100% community funded

Membership based : Internet service providers (ISPs), telecommunication organizations and large corporations, universities, governments...

Community “Regulated”

- Community developed policies
- Member-elected governing boards
- Open and transparent

Who is the ARIN community?

Anyone with an interest in Internet number resource management in the ARIN region can be part of the ARIN community.

The ARIN community includes...

- 37,000+ organizations served
- 20,000+ customers paying fees for services
- 5,475+ members
- 80+ professional staff

Community-based Leadership

ARIN is governed by individuals who are elected by our membership.

- **7-member Board of Trustees**
 - 6 elected by the membership + the President & CEO who is elected by the Board
 - Maintains authority over the scope, mission, and establishes the strategic direction and fiscal oversight
 - Ability to appoint an additional voting member for diversity
- **15-member Advisory Council**
 - Elected by the membership
 - Serves in an advisory capacity to the Board on Internet number resource policy and related matters; forwards consensus-based policy proposals to the Board for ratification
- **15-member Number Resource Organization Number Council (3 from each RIR)**
 - 2 elected by the ARIN Community/1 appointed by ARIN Board
 - Selections ICANN Board seats 9 and 10
 - Global policy development: IANA to RIRs

ARIN Manages:

- IP address allocations & assignments
- ASN assignment
- Transfers
- Reverse DNS
- Record Maintenance
- Directory service
 - Whois
 - Routing Information (Internet Routing Registry)
 - WhoWas

Strategic Planning

ARIN performs its mission according to a Strategic Plan.

Updated annually, this plan drives the creation of organizational objectives and the internal work plan.

ARIN's strategic plan and objectives:

https://www.arin.net/about_us/corp_docs/stratplan-2017-2018.pdf

2017 Organizational Objectives

- Maintain accountability to membership; perform audits
- Participate in global discussions to maintain the community-based multi-stakeholder policy development model
- Conduct two ARIN Public Policy and Member meetings
- Maintain a strong outreach in the Caribbean
- Support law enforcement efforts consistent with ARIN's mission
- Support community discussions on global routing table management and act upon them as appropriate
- Continue IPv4/IPv6 transition awareness campaign
- Ongoing review and enhancement of online services, including user interface improvements per user feedback and customer survey

ARIN develops technologies for managing Internet number resources:

- ARIN Online – customer web portal
- DNSSEC - security
- Resource Certification (RPKI)
- Community Software Project Repository
- Whois-RWS
- Whois and Registration Data Access Protocol (RDAP) directory services
- Operational Test and Evaluation Environment

Training and Education

- Educational Materials library
- <https://www.arin.net/knowledge>
- Instructional Video Library
 - <http://youtube.com/teamarin>
- In-person Training/Education
 - ARIN on the Road, ARIN + NANOG on the Road, other fora upon request
- IPv6 Wiki – list of trainers and DNS hosters; getipv6.info

Outreach and Community Engagement

- Policy Development through Public Policy Meetings and Consultations
- Work closely with the technical community to ensure education, empowerment, engagement
- Collaborate with Caribbean organizations to maximize inclusion
- Engage globally as a key technical resource
- Support cooperation and direct involvement alongside governments and international organizations

Internet Number Resource Policy Development

Seeking Your Participation

What Do Internet Number Resource Policies Do?

ARIN applies policies to manage Internet number resources and certain directory and registry services.

Policies are given effect through the application of business rules and operating procedures

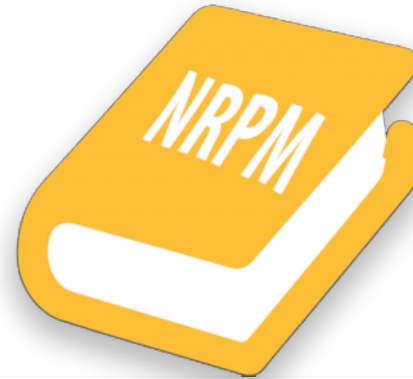


What is the NRPM?

The Number Resource Policy Manual (NRPM) is the collection of all ARIN policies, arranged by topic.

Topics include:

- Definitions
- Directory Services
- IPv4
- IPv6
- AS Numbers
- Transfers



<https://arin.net/policy/nrpm.html>

Policy Example

NRPM 4.3.1. End-users

ARIN assigns blocks of IP addresses to end-users who request address space for their internal use in running their own networks, but not for sub-delegation of those addresses outside their organization. End-users must meet the requirements described in these guidelines for justifying the assignment of an address block.

The Policy Development Process

Open

- Developed in open forum
 - Public Policy Mailing List (PPML)
 - Public Policy Meetings/Consultations (PPMs/PPCs)
- Anyone can participate

Transparent

- All aspects documented and available on website
 - Documented process, meeting information and discussions, and current/draft policy text
 - Advisory Council and Board meeting minutes

Bottom-up

- Policies developed by the community
- Staff implements, but does not make policy

How An Idea Becomes a Policy

1. Community member submits a Proposal
2. Advisory Council (AC) works with submitter to ensure clear problem statement and suggested policy change
3. AC puts Draft Policy on PPML for community discussion/feedback (possibly presented at a Public Policy Meeting/Consultation)
4. AC decides: continue work or abandon
5. AC recommends fully developed Draft Policy (fair, technically sound, and supported by community) for adoption
6. Recommended Draft Policy presented at a Public Policy Meeting/Consultation
7. If AC still recommends adoption, then Last Call on the mailing list and review
8. Petition process available throughout all AC actions
9. Board review/ratification
10. Staff implements

A Policy Proposal Under Discussion

- Draft Policy ARIN-2017-3: Update to NPRM 3.6: Annual Whois POC Validation
 - Outlines procedures involved in ARIN's annual Whois Point of Contact (POC) Validation.
 - Includes which POCs are to be verified and how to handle non-responsive POCs
 - Suggests the removal of reverse DNS records for invalidated POCs
 - Discussed at ARIN 39 in New Orleans
 - https://www.arin.net/vault/participate/meetings/reports/ARIN_39/index.html

Take Aways

1. ARIN doesn't create number policy, you do.
2. Well documented Policy Development Process includes staff/Advisory Council assistance throughout the process.
3. Stay informed. Join the Public Policy Mailing List and/or attend meetings (in person or remotely).

References

Watch [ARIN's PDP video](#) on YouTube.

Policy Development Process (PDP)
<http://www.arin.net/policy/pdp.html>

Draft Policies and Proposals
<http://www.arin.net/policy/proposals/index.html>

Number Resource Policy Manual (NRPM)
<http://www.arin.net/policy/nrpm.html>

Participate in ARIN

Contribute your Opinions and Ideas:

- Public Policy Mailing List
- IPv6 Wiki
- Be a Get6 Forward Thinker
- Attend Public Policy and Members Meetings (remotely),
Public Policy Consultations, outreach events
- Submit a suggestion
- Participate in community consultations – CKN23 – Unknown Point
of Contact now open
- Write a Guest Blog for TeamARIN.net
- Members – Vote in annual elections
- Join us on social media



Contact members@arin.net or info@arin.net for more information

ARIN Mailing Lists

https://www.arin.net/participate/mailing_lists/index.html

- **ARIN Announce:** Read-only, news about ARIN elections, outreach, meetings, policy updates, training opportunities...
- **ARIN Discussion:** (members only) Discuss ARIN-specific issues such as fee structures and internal policies
- **ARIN Public Policy:** Raise and discuss policy-related ideas and issues surrounding existing and proposed ARIN policies
- **ARIN Consultation:** Voice your opinion on open consultations
- **ARIN Issued:** Read-only, daily report of IPv4, IPv6, and ASNS issued directly by ARIN, and resources returned to ARIN's free pool.
- **ARIN Technical Discussions:** Provide feedback on use of ARIN technical services
- **Suggestions:** Read-only, notice of new suggestions from the community and ARIN responses



<https://www.arin.net/participate/meetings/fellowship.html>