

# ARIN

# First Timers' ORIENTATION

23 April 2012



## ARIN Services

### Organization Services

Includes coordinating and administering:

- Elections
- Members meetings
- Information dissemination
- Education and training

### Policy Development Services

Includes coordinating and facilitating:

- Email discussion lists
- Public policy meetings
- Policy document publication

### Registration Services

Includes coordinating and managing:

- IP address allocation & assignment
- ASN assignment
- Reverse DNS
- Directory services
  - Whois
  - IRR
  - WhoWas

### Technical Resources

New and developing technologies for managing Internet number resources:

- ARIN Online
- Community Software Project Repository
- DNSSEC
- Resource Certificate
- Whois-RWS
- Reg-RWS

## Mission

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.



## About ARIN

### Introduction

The American Registry for Internet Numbers (ARIN) is the nonprofit corporation that manages and administers Internet number resources in Canada, many Caribbean and North Atlantic islands, and the United States.

### Organizational Structure

ARIN consists of the Internet community within its region, its members, a seven-member Board of Trustees, a 15-member Advisory Council, and a professional staff of approximately 50.

## Voice Your Opinion and Win!

First Timers' Orientation attendees who complete and return the enclosed survey are entered into a raffle to win a \$100 ThinkGeek Gift Certificate for gizmos and gadgets. The winner will be drawn Monday afternoon.

# Spelling it out

## An Acronym Guide

BGP. CIDR. NRO. NRPM. SWIP. These are just a few of the acronyms commonly used by members of the Internet and ARIN communities. So what do all these combinations of letters mean? This Acronym Guide spells out some of the most frequently used terms.

### Internet Community Organization Names

**AfriNIC** - African Network Information Centre  
**AGWG** - ARIN Government Working Group  
**APNIC** - Asia Pacific Network Information Centre  
**ARIN** - American Registry for Internet Numbers  
**ARPA** - Advanced Research Projects Agency  
**ASO** - Address Supporting Organization  
**ASO AC** - ASO Address Council  
**CTU** - Caribbean Telecommunications Union  
**IAB** - Internet Architecture Board  
**IANA** - Internet Assigned Numbers Authority  
**ICANN** - Internet Corporation for Assigned Names and Numbers  
**ICANN GAC** - ICANN Government Advisory Committee  
**IEPG** - Internet Engineering and Planning Group  
**IESG** - Internet Engineering Steering Group  
**IETF** - Internet Engineering Task Force  
**IGF** - Internet Governance Forum  
**ISOC** - Internet Society  
**ITU** - International Telecommunication Union  
**ITU-T** - ITU Telecommunication Standardization Sector  
**LACNIC** - Latin American and Caribbean Internet Address Registry  
**NANOG** - North American Network Operators' Group  
**NAv6TF** - North American IPv6 Task Force  
**NRO** - Number Resource Organization  
**NRO EC** - NRO Executive Council  
**NRO NC** - NRO Number Council  
**OECD** - Organization for Economic Co-operation and Development  
**RIPE** - Réseaux IP Européens  
**RIPE NCC** - RIPE Network Coordination Centre  
**WGIG** - Working Group on Internet Governance  
**WSIS** - World Summit on the Information Society

### Terms with Specific ARIN or RIR Usage

**AC** - Advisory Council  
**AUP** - Acceptable Use Policy  
**BoT** - Board of Trustees  
**CMSD** - Communications & Member Services Department  
**DMR** - Designated Member Representative  
**ENG** - Engineering Department  
**ERX** - Early Registration Transfer Project  
**FSD** - Financial Services Department  
**GMIGS** - General Member in Good Standing  
**IR** - Internet Registry  
**ISP** - Internet Service Provider  
**LIR** - Local Internet Registry  
**LRSA** - Legacy Registration Services Agreement  
**MoU** - Memorandum of Understanding  
**NDA** - Nondisclosure Agreement  
**NIR** - National Internet Registry  
**NRPM** - Number Resource Policy Manual  
**ORG ID** - Organization Identifier  
**PDP** - Policy Development Process  
**POC** - Point of Contact  
**PPML** - Public Policy Mailing List  
**RFC** - Request for Comment  
**RIR** - Regional Internet Registry  
**RSA** - Registration Services Agreement  
**RSD** - Registration Services Department  
**STLS** - Specified Transfer Listing Service  
**WG** - Working Group

### Technical Terms

**AS** - Autonomous System  
**ASN** - Autonomous System Number  
**BGP** - Border Gateway Protocol  
**CA** - Cryptographic Authentication  
**CGN** - Carrier Grade NAT  
**CIDR** - Classless Inter-Domain Routing  
**CPS** - Certification Practices Statement  
**CRISP** - Cross Registry Information Service Protocol  
**DNS** - Domain Name System  
**DNSSEC** - Domain Name System Security  
**ICMP** - Internet Control Message Protocol  
**IN-ADDR** - Inverse Addressing  
**IP** - Internet Protocol  
**IPv4** - Internet Protocol version 4  
**IPv6** - Internet Protocol version 6  
**IRIS** - Internet Registry Information Services  
**IRR** - Internet Routing Registry  
**IXP** - Internet Exchange Point  
**LAN** - Local Area Network  
**LSN** - Large Scale NAT

## Subscribe to ARIN Mailing Lists

Visit [https://www.arin.net/participate/mailing\\_lists](https://www.arin.net/participate/mailing_lists) for subscription information and list archives.

RSS feeds are available for the ARIN Announce, ARIN Issued and ARIN Public Policy mailing lists.

To sign up for the RSS feeds, go to [https://www.arin.net/participate/mailing\\_lists/rss.html](https://www.arin.net/participate/mailing_lists/rss.html).

### There are six active mailing lists:

#### **Public Policy Mailing List (arin-ppml@arin.net)**

Public forum to raise and discuss issues surrounding existing and proposed policies. The PPML is an integral part of ARIN's Policy Development Process. Opinions expressed here are reviewed to determine consensus for a policy proposal.

#### **ARIN Discussion Mailing List (arin-discuss@arin.net)**

Member-only list used to discuss ARIN-specific issues such as fee structures and internal policies.

#### **ARIN Consultation Mailing List (arin-consult@arin.net)**

Open list used in conjunction with the ARIN Consultation and Suggestion Process to gather comments. This list is only open when there is a call for comments.

#### **ARIN Announce Mailing List (arin-announce@arin.net)**

Read-only list that provides information on issues affecting the community, including elections, meetings, policy updates, training opportunities, and other ARIN events.

#### **ARIN Issued Mailing List (arin-issued@arin.net)**

Read-only list open to the general public. Used by ARIN staff to provide a daily report of addresses returned and addresses issued directly by ARIN or address blocks returned to ARIN's free pool as requested in ACSP Suggestion 2008.2.

#### **ARIN Technical Discussions Mailing List (arin-tech-discuss@arin.net)**

Open to the general public. Provided for those interested in providing technical feedback to ARIN on experiences in the use or evaluation of current ARIN services and features in development.

**NAT-PT** - Network Address Translation- Protocol Translation

**NIC** - Network Information Center

**NOC** - Network Operations Center

**PA** - Provider Aggregatable

**PGP** - Pretty Good Privacy

**PI** - Provider Independent

**Reg-RWS** - RESTful Web Service

**REST** - Representational State Transfer

**RPKI** - Resource Public Key Infrastructure

**RPSL** - Routing Policy Specification Language

**RWhois** - Referral Whois

**SSL** - Secure Socket Layer

**SWIP** - Shared Whois Project

**TCP** - Transport Control Protocol

**UDP** - User Datagram Protocol

**ULA** - Unique Local Address

**VLSM** - Variable Length Subnet Mask

**WAN** - Wide Area Network

**Whois-RWS** - Whois Restful Web Service

**XML** - Extensive Markup Language

**6 to 4** - IPv4 Tunnel for IPV6 Traffic

# Stay Active in ARIN!

The success of ARIN as a steward of Internet number resources depends on the participation of people like you. We rely on the community to determine policy and provide direction for the services we provide. We welcome you to your first ARIN meeting and hope you'll continue to participate. Here are some ways you can stay involved.

## Participate in Policy Development

Policy development is an open and transparent process. Anyone may submit a proposal to create or modify policy. See <https://www.arin.net/policy/> for more information, including the current Number Resource Policy Manual and the documented Policy Development Process. Be sure to subscribe to the PPML and join the discussions.

## Participate in the ARIN Consultation and Suggestion Process

The ARIN Consultation and Suggestion Process (ACSP) provides an organized and transparent method for ARIN to accept community feedback and gauge consensus regarding non-policy related issues. Submit a suggestion regarding existing or potential ARIN services or practices. Join the discussions on the Consultation mailing list and participate in the polls when requested by ARIN. For further details, visit <https://www.arin.net/participate/acsp/>.

## Attend Future Public Policy and Members Meetings

Attendees may participate in ARIN's biannual Public Policy and Members Meetings either in person or virtually through webcast and remote participation.

### Upcoming meeting:



<https://www.arin.net/ARIN-XXX/>



## Outreach Microsite: [www.teamarin.net](http://www.teamarin.net)

To increase access and visibility to ARIN's outreach efforts, we have an educational microsite [www.teamarin.net](http://www.teamarin.net). This site is a great information source to help you educate your organization about issues related to IPv4 depletion and IPv6 adoption. You can also find out where you can meet with ARIN staff and representatives at tradeshow and industry events – and even take advantage of free event passes when we have them! This is an educational and informational site only; all ARIN business transactions are still conducted using [www.arin.net](http://www.arin.net).



Recommend ARIN meetings to others and tell them about our Fellowship Program. Three lucky first timers can attend for free! For more information, visit <https://www.arin.net/participate/meetings/fellowship.html>.