



Welcome to Your
First ARIN Meeting

Handouts for you

- Basic information
- Acronym list
- ARIN fact sheets
 - ARIN at a Glance
 - Policy Development Process
 - ARIN Participation
 - Internet Ecosystem

Self- Introductions





Introduction to ARIN and the Internet Registry System

John Curran

Regional Internet Registries (RIRs)

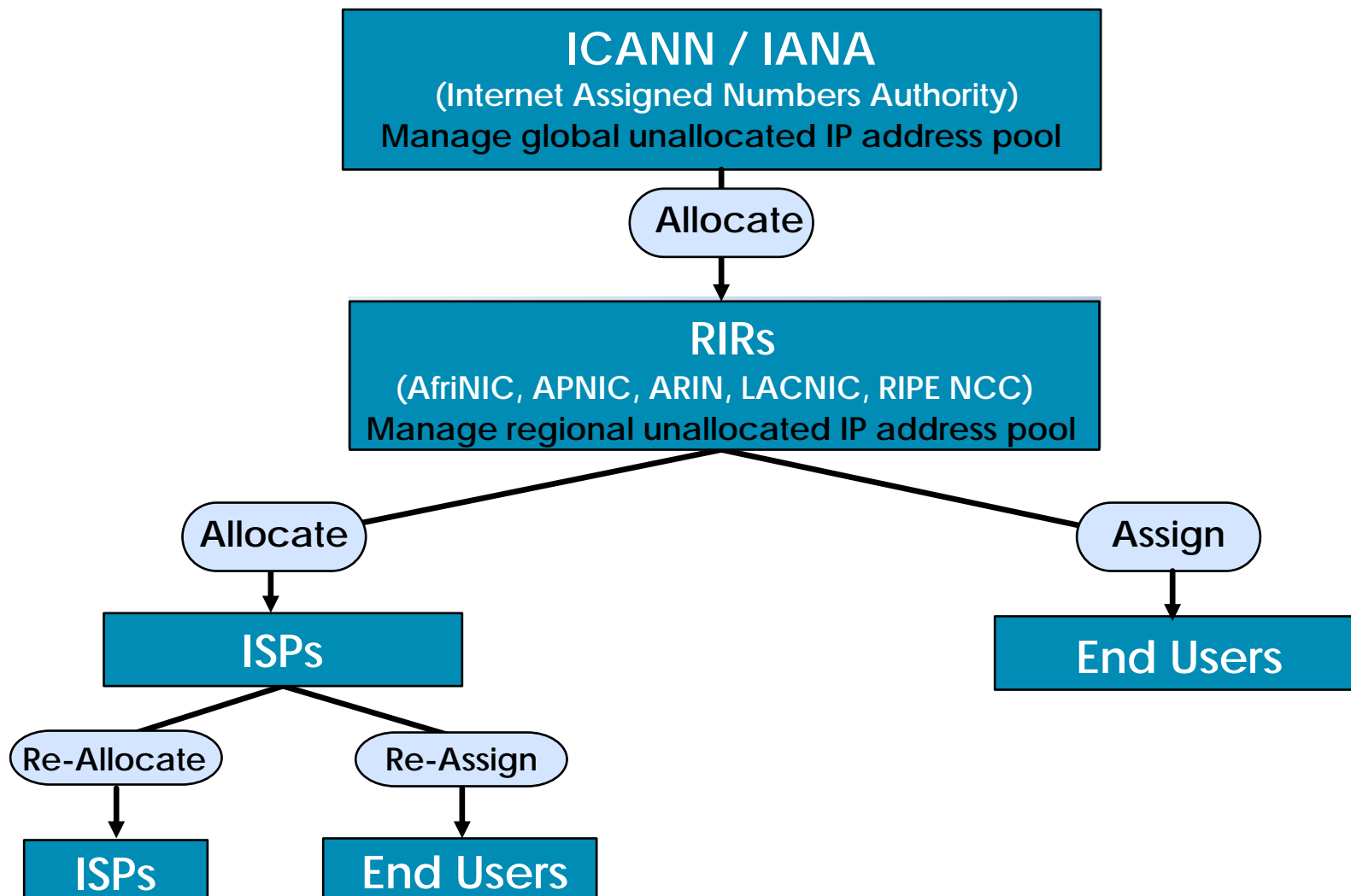
- The system began in 1992
- There are five RIRs
 - LACNIC formed in 2002 out of ARIN region
 - AfriNIC formed in 2005 out of ARIN and RIPE NCC regions.
- All RIRs are nonprofit, community-driven organizations



Internet Registry System

ICANN (IANA)	<ul style="list-style-type: none">• Top level coordination of the Internet identifiers (domain names, numbers)• Manage global unallocated IP address pool<ul style="list-style-type: none">- Allocate number resources to RIRs
RIR	<ul style="list-style-type: none">• Manage regional unallocated IP address pool<ul style="list-style-type: none">- Allocate number resources to ISPs/LIRs- Assign number resources to End-users
ISP/LIR	<ul style="list-style-type: none">• Manage local IP address pool for use by customers and for infrastructure<ul style="list-style-type: none">- Allocate number resources to ISPs- Assign number resources to End-users

Number Resource Provisioning Hierarchy



RIR Structure

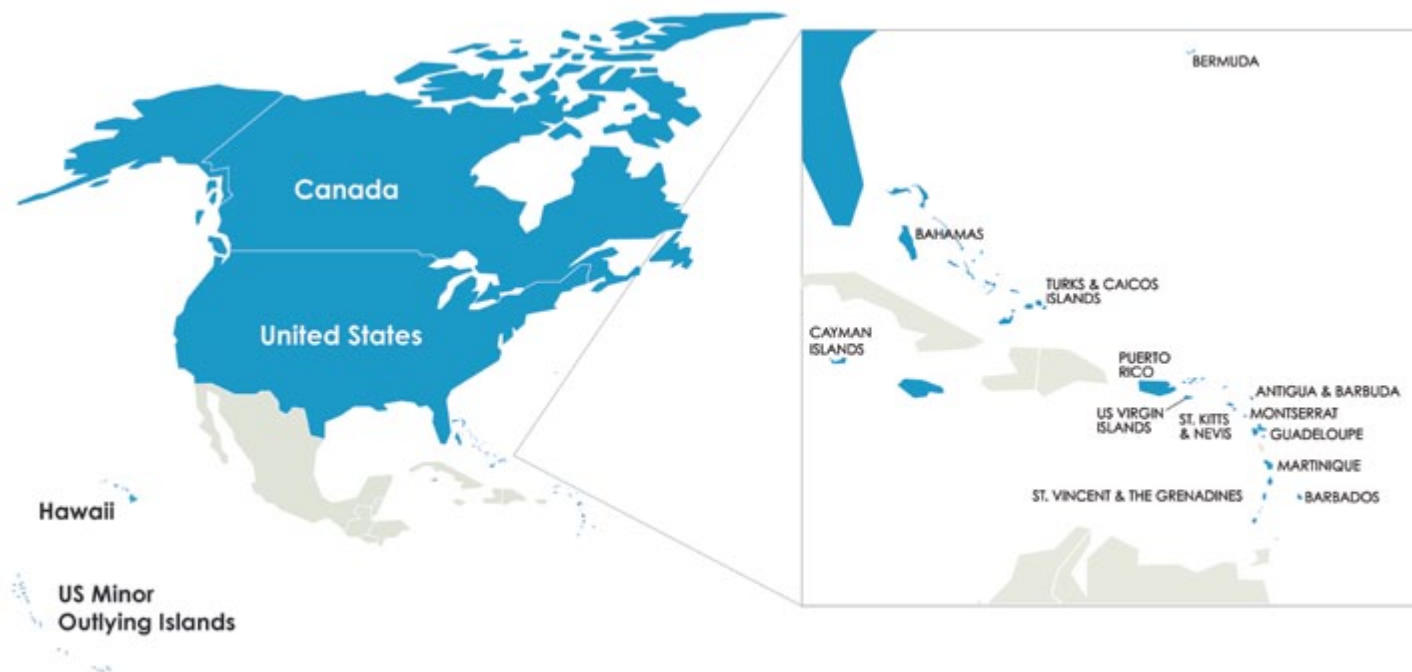
Nonprofit	Membership Organization	Community-regulated
<ul style="list-style-type: none">• Fee for services, not number resources• 100% community funded	<ul style="list-style-type: none">• Broad-based<ul style="list-style-type: none">- Private sector- Public sector- Civil society	<ul style="list-style-type: none">• Community developed policies• Member-elected executive board• Open and transparent

RIR Services

Number Resources	Organization	Policy Development
<ul style="list-style-type: none">• IP address allocation & assignment• ASN assignment• Directory services<ul style="list-style-type: none">• Whois• IRR• Reverse DNS	<ul style="list-style-type: none">• Elections• Meetings• Information dissemination<ul style="list-style-type: none">• Website• Newsletters• Roundtables• Training	<ul style="list-style-type: none">• Facilitate the policy development process• Maintain email discussion lists• Conduct public policy meetings• Publish policy documents

About ARIN

- Established December 1997
- 100% community funded

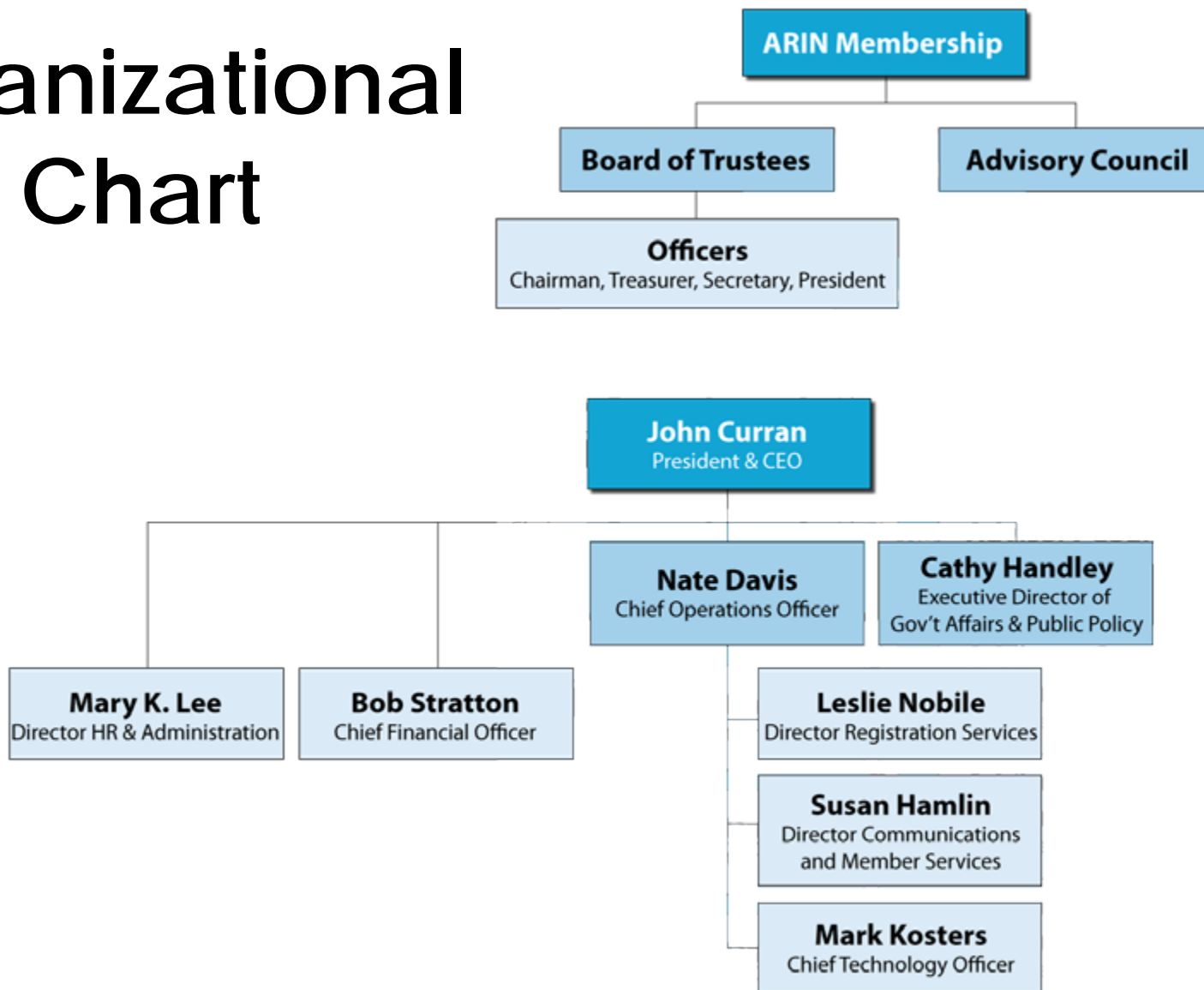


ARIN's region includes Canada, many Caribbean and North Atlantic islands, US Minor Outlying Islands and the United States.

ARIN's 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.

Organizational Chart





Registration Services

- Coordination & management of Internet number resources
- Internet number resource transfers
- Directory Services
- Registration transaction information (Whois)
- Record maintenance
- Routing information (Internet Routing Registry)



Technical Services

- ARIN Whois/RWhois
- ARIN Online
- Internet Routing Registry
- Reverse DNS Services
- IT support for organization
- Emerging Technologies: DNSSEC, RPKI

Organization Services

- Public Policy & Members Meetings
- Information publication and dissemination
- Executive Board Elections
- Education & Outreach

Policy Development Services

- Manage the Policy Development Process
- Maintain email discussion lists
- Publish policy documents

What's Ahead this week

Tonight:

ARIN Online Users Forum, 6-7 PM Millennium Ballroom

Pie in the Sky Social, 7 – 9 PM, 33rd Floor

Wednesday:

NANOG/ARIN Joint Programming, 9:30 AM – 12:15 PM

ARIN Public Policy Meeting, 1:30 AM – 5:30 PM

ARIN Social at [The Franklin Institute, 7:00 – 11:00 PM](#)

Thursday: ARIN Public Policy Meeting, 9:00 AM - 5:30 PM

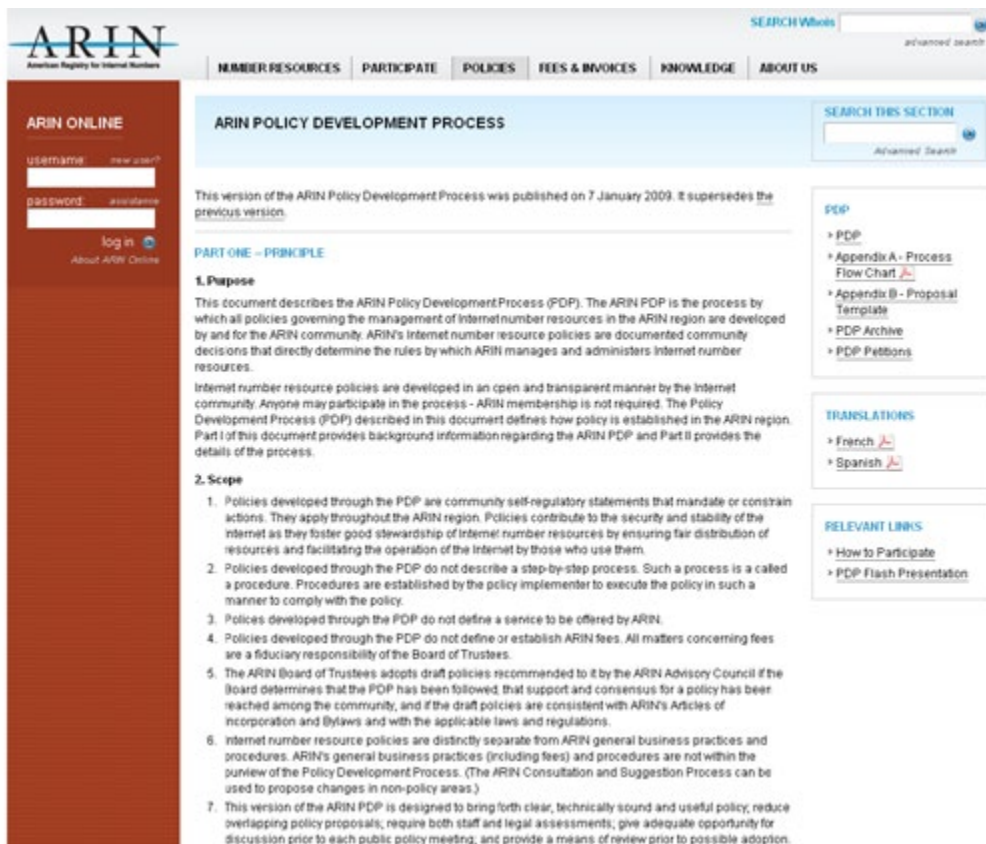
Friday: ARIN Members Meeting (open to all), 9:00 AM – Noon



ARIN Policy Development Process and Draft Policy Preview

Einar Bohlin

Policy Development Process (PDP)

A screenshot of the ARIN website's Policy Development Process (PDP) page. The page has a blue header with the ARIN logo and navigation tabs for NUMBER RESOURCES, PARTICIPATE, POLICIES, FEES & INVOICES, KNOWLEDGE, and ABOUT US. A search bar is located in the top right. The main content area is titled 'ARIN POLICY DEVELOPMENT PROCESS' and contains text stating that the current version was published on 7 January 2009, superseding the previous version. It is divided into 'PART ONE - PRINCIPLE' and '2. Scope'. The '2. Scope' section contains a numbered list of seven points detailing the PDP's purpose and procedures. On the right side of the page, there are three boxes: 'PDP' with links to the PDP, Appendix A (Process Flow Chart), Appendix B (Proposal Template), PDP Archive, and PDP Petitions; 'TRANSLATIONS' with links for French and Spanish; and 'RELEVANT LINKS' with links for 'How to Participate' and 'PDP Flash Presentation'. A left sidebar contains a login form with fields for 'username' and 'password', and a 'log in' button.

Flowchart
Proposal Template
Archive
Movie

<https://www.arin.net/policy/pdp.html>

Policy Development Principles

Open

- Developed in open forum
 - Public Policy Mailing List
 - Public Policy Meetings
- Anyone can participate

Transparent

- All aspects documented and available on website
 - Policy process, meetings, and policies

Bottom-up

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

Who Plays a Role in the Policy Process?

Community

- Participate in discussions and petitions
- Submit proposals

Advisory Council (elected volunteers)

- Develop policy from proposals; goal is “clear, technically sound and useful” policy
- Determine consensus based on community input

Roles...

ARIN Board of Trustees (elected volunteers)

- Provide corporate fiduciary oversight
- Ensure the policy process has been followed
- Ratify policies

ARIN Staff

- Provide feedback to community/AC
 - Clarity and Understanding Reports
 - Staff and legal assessments
 - Policy experience reports
- Implement ratified policies

Basic Steps

1. Community member submits a proposal
2. Community discusses the proposal on the “List”
3. AC creates a draft policy
4. Community discusses the draft policy on the “List” and at the meeting
5. AC conducts its consensus review
6. Community performs last call
7. Board adopts
8. Staff implements

Petitions

Anyone dissatisfied with a decision by the AC can petition in order to keep a proposal moving forward

- Occurs between proposal and draft policy stage
- 5 day petition period
- Needs 10 different people from 10 different organizations to publicly support the petition

*8 petitions to date

Policies in the NRPM

- IPv4 Address Space
- IPv6 Address Space
- Autonomous System Numbers (ASNs)
- Directory Services (WHOIS)
- Reverse DNS (in-addr)
- Transfers
- Experimental Assignments
- Resource Review Policy

Draft policies at this meeting:

- **ARIN-2011-1:** ARIN Inter-RIR Transfers
- **ARIN-2011-7:** Compliance Requirement
- **ARIN-2011-8:** Combined M&A and Specified Transfers
- **ARIN-2011-9:** Global Policy for Post Exhaustion IPv4 Allocation Mechanisms by the IANA

Draft policies at this meeting:

- **ARIN-2011-10:** Remove Single Aggregate Requirement from Specified Transfer
- **ARIN-2011-11:** Clarify Justified Need for Transfers
- **ARIN-2011-12:** Set Transfer Need to 24 months
- **ARIN-2011-13:** IPv4 Number Resources for Use Within Region

How to monitor and not be overwhelmed?

Once a month:

- Front page of the website leads to proposals and draft policies under discussion
 - New proposals need feedback for the AC's initial decision
 - Web site can help you focus on what's important to you and your company

Twice per year:

- Check the ARIN Public Policy Meeting site in the weeks leading up to the meeting
 - Proposals/Draft Policies on Agenda
 - Discussion Guide (summaries, text, staff assessments)
 - Attend in Person/Remote
- AC meeting last day: Watch list for AC's decisions, Last Calls – State your opinion, are you For or Against?

References

Policy Development Process

<https://www.arin.net/policy/pdp.html>

Draft Policies and Proposals

<https://www.arin.net/policy/proposals/index.html>

Number Resource Policy Manual

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



QUESTIONS?

Don't Forget Your Survey

Please complete the survey form and drop it in the bowl.

Tomorrow morning at the start of the meeting there will be a drawing for a \$100 Think Geek gift certificate.