

# **ARIN: Our Mission, Role and Services**

**John Curran**  
President and CEO



"ARIN, 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.**"

# ARIN's Service Region



ARIN's region includes many (20) Caribbean and North Atlantic islands, Canada and the United States and outlying areas.

# Regional Internet Registries



**ARIN**  
American Registry for Internet Numbers  
est. 1997



 **RIPE**  
NCC  
est. 1992



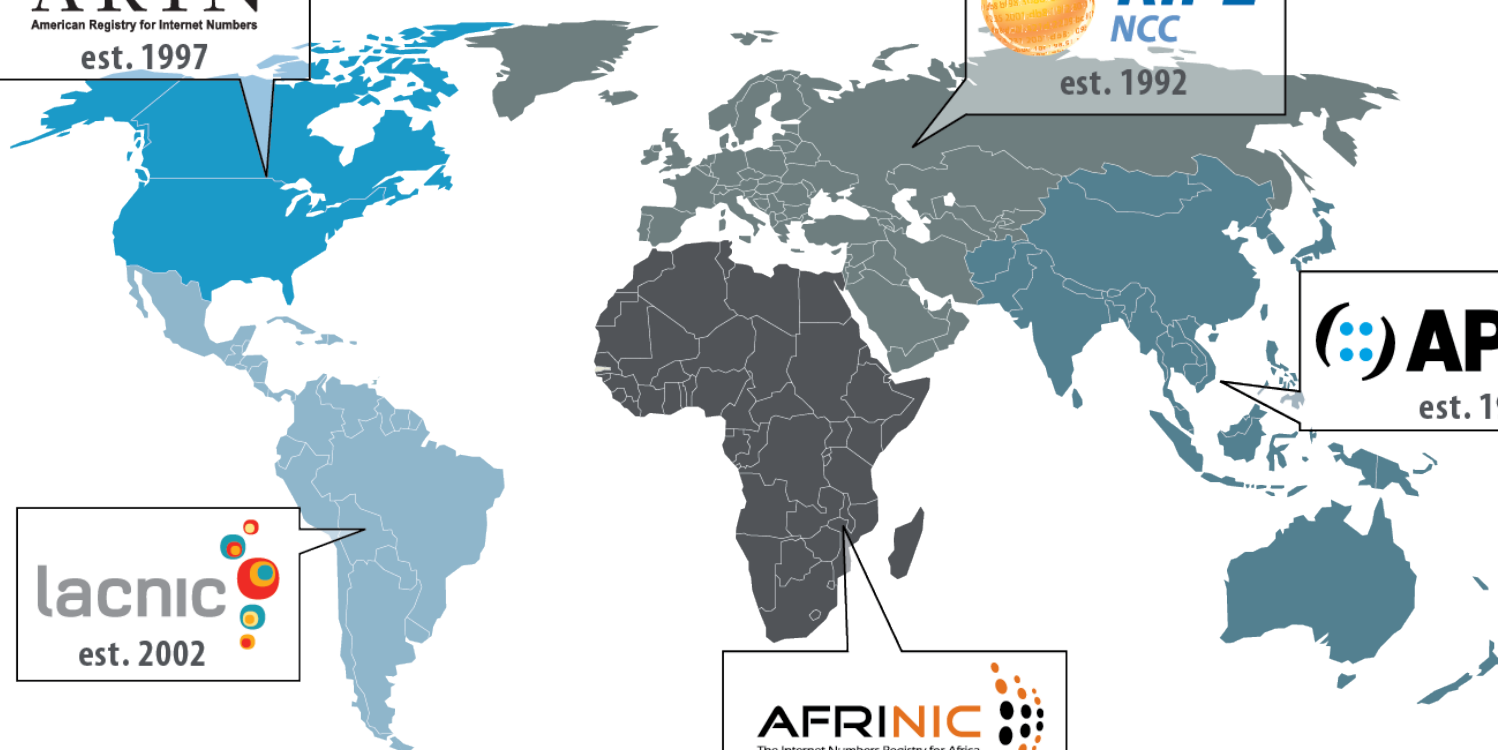
 **APNIC**  
est. 1993



**lacnic**  
est. 2002



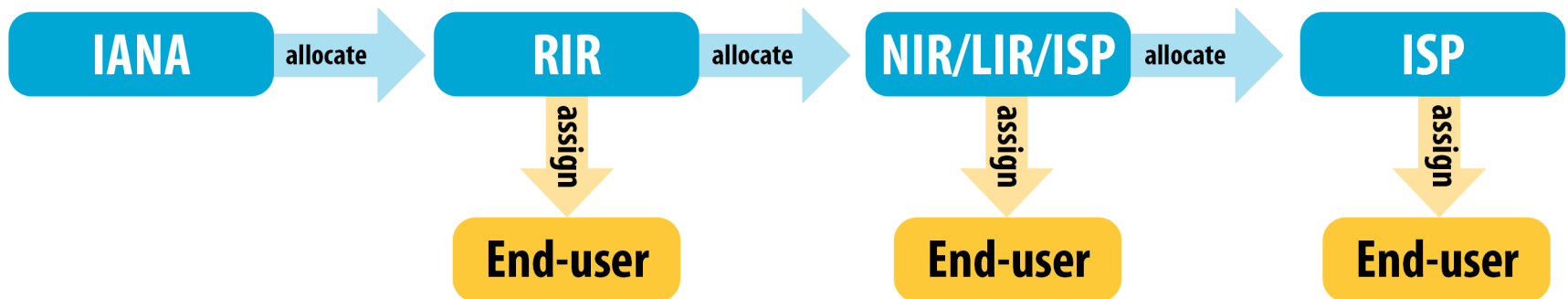
**AFRINIC**  
The Internet Numbers Registry for Africa  
est. 2005



# Who Provisions IP Addresses & ASNs?

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

# Number Resource Provisioning



# ARIN Structure

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

# ARIN Support Organization





# ARIN Services

Number Resources	Organization	Policy Development
<ul style="list-style-type: none"> <li>• IP address allocation &amp; assignment</li> <li>• ASN assignment</li> <li>• Directory services               <ul style="list-style-type: none"> <li>• Whois -RWS</li> <li>• WhoWas</li> <li>• IRR</li> </ul> </li> <li>• Reverse DNS</li> <li>• DNSSEC</li> <li>• Resource Certification (RPKI)</li> <li>• Community Software Repository</li> </ul>	<ul style="list-style-type: none"> <li>• Information dissemination               <ul style="list-style-type: none"> <li>• Websites</li> <li>• Educational materials</li> <li>• IPv6 Wiki</li> <li>• Social media</li> </ul> </li> <li>• Meetings</li> <li>• Elections</li> <li>• Outreach               <ul style="list-style-type: none"> <li>• IPv6</li> <li>• Internet Governance</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Maintain email discussion lists</li> <li>• Conduct public policy meetings and public policy consultations</li> <li>• Publish policy documents</li> </ul>

# INTERNET GOVERNANCE =

**COORDINATION OF  
THE MANY ASPECTS**



TECHNICAL STANDARDS,  
**POLICIES,**  
INFRASTRUCTURE



THAT MAKE THE INTERNET WORK  
& DETERMINE HOW IT IS USED



INVOLVING

- GOVERNMENTS
- PRIVATE SECTOR
- CIVIL SOCIETY

# Information on Joining in the Internet Governance Discussion

Visit ARIN's webpage:  
**Ways to Participate**  
in Internet Governance



**ARIN**  
American Registry for Internet Numbers


Your IPv6 address is **2001:500:4:34::135**

SEARCH Whois  
all requests subject to [terms of use](#) [advanced search](#)

NUMBER RESOURCES PARTICIPATE POLICIES FEES & INVOICES KNOWLEDGE ABOUT US

**INTERNET GOVERNANCE**

SEARCH THIS SECTION  
Advanced Search

**ARIN ONLINE**  
Username and password are case sensitive.  
username: *new user?*  
password: *assistance*  
log in   
[About ARIN Online](#)

**IPv6 ENABLED**

**Who decides the future of the Internet?**  
A wide range of stakeholders in a variety of organizations.  
Find out how you can stay informed and **get involved.**

**What could be at stake?**

- Continued innovation and evolution of the Internet
- Open and inclusive contributions to policy debates
- Consensus-based Internet number resource policies
- User access, stability, and security

**WAYS TO PARTICIPATE**

**DEFINING INTERNET GOVERNANCE & ARIN'S ROLE**

**HIGHLIGHTS**

- Internet Governance News & Information
- Internet Governance Map

**UPCOMING EVENTS**

- WTDC Regional Preparatory Meeting for the Americas  
Montevideo, Uruguay; 19 - 22 August 2013
- Eighth Internet Governance Forum  
Bali, Indonesia; 22-25 October 2013
- ITU World Telecommunication Development Conference  
Sharm el-Sheikh, Egypt; 31 March - 11 April 2014.
- ITU Plenipotentiary Conference  
Busan, Republic of Korea; 20 October - 7 November 2014

**INTERNET GOVERNANCE**

- Main Page
- Ways to Participate
- Defining Internet Governance & ARIN's Role
- News & Information

**FORUMS FOR PARTICIPATION**

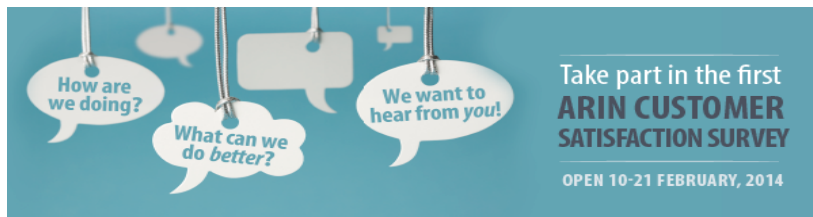
- CANTO
- CTU
- CITEL
- ITU
- ICANN
- IGF
- ISOC
- OECD / ITAC

<https://www.arin.net/participate/governance/participate.html>

# Participate in ARIN

## Contribute your Opinions and Ideas:

- Public Policy Mailing List
- IPv6 Wiki
- Attend Public Policy and Members Meetings, Public Policy Consultations, outreach events
- Summit a suggestion
- Participate in community consultations
- Write a guest blog
- Members – Vote in annual elections



# ARIN Mailing Lists

**ARIN Announce:** [arin-announce@arin.net](mailto:arin-announce@arin.net)

ARIN Discussion: [arin-discuss@arin.net](mailto:arin-discuss@arin.net) (members only)

**ARIN Public Policy:** [arin-ppml@arin.net](mailto:arin-ppml@arin.net)

ARIN Consultation: [arin-consult@arin.net](mailto:arin-consult@arin.net)

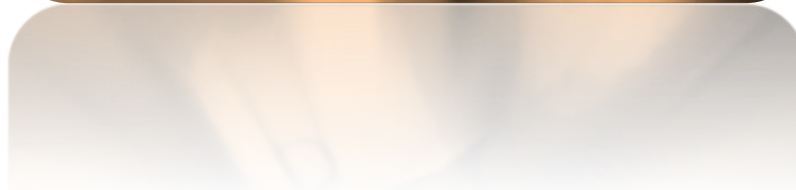
ARIN Issued: [arin-issued@arin.net](mailto:arin-issued@arin.net)

ARIN Technical Discussions: [arin-tech-discuss@arin.net](mailto:arin-tech-discuss@arin.net)

Suggestions: [arin-suggestions@arin.net](mailto:arin-suggestions@arin.net)

**[http://www.arin.net/participate/mailing\\_lists/index.html](http://www.arin.net/participate/mailing_lists/index.html)**

# Q&A



# APPENDIX

Government Oversight

**1993** IR function contracted by NSF to NSI; InterNIC formed, DoD oversight ends. APNIC formed.



**1992** RFC 1366: Regional IRs established; RIPE NCC formed



**1991** RFC 1261: DoD IR function contract moved to Network Solutions, Inc.



**1980's** Internet Registry (IR) function contracted by DoD to SRI International



**1980's** NSFNET/ARPANET - Jon Postel managed addressing via DoD contract; this was called the Internet Assigned Numbers Authority (IANA)







Community Oversight

**2005** Regionalization complete; AfriNIC formed



**2002** Regionalization continues; LACNIC formed



**1998** ICANN formed by US Gov't (top level technical coordination)



**1997** IR regionalization continues; ARIN formed. USG oversight of IR function ends.

