ARIN: Our Mission, Role and Services

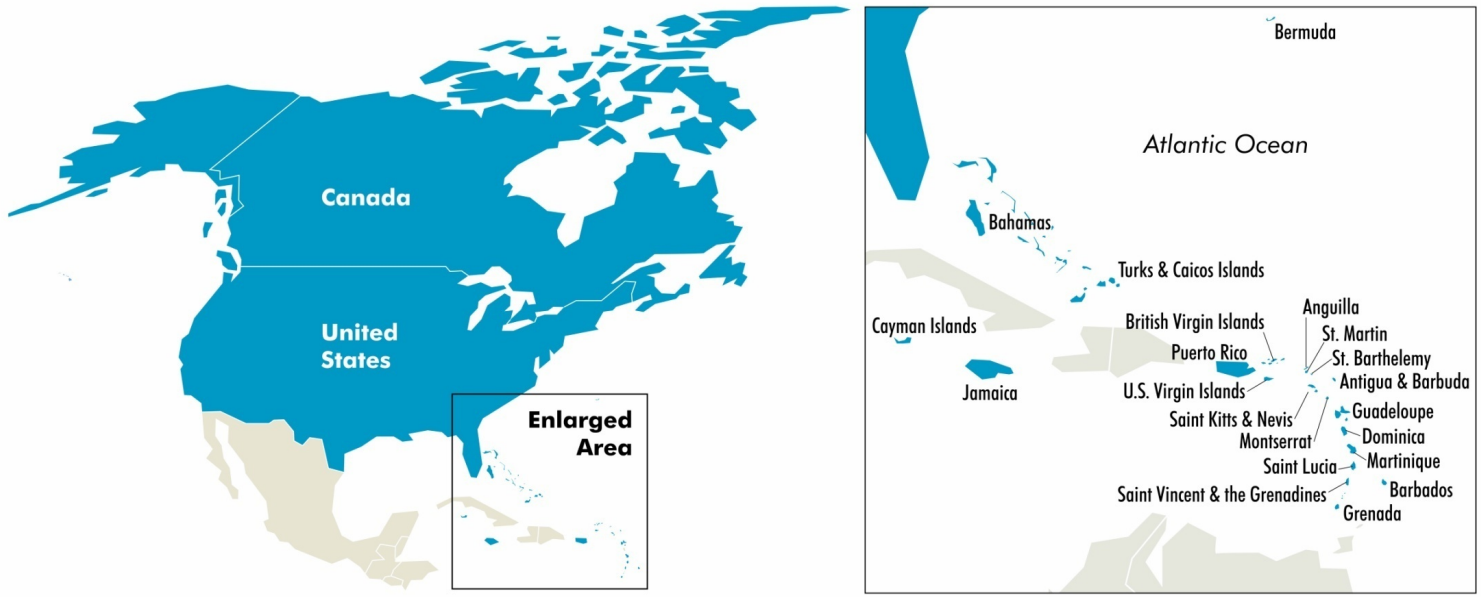
John Curran
President and CEO

ARIN

American Registry for Internet Numbers

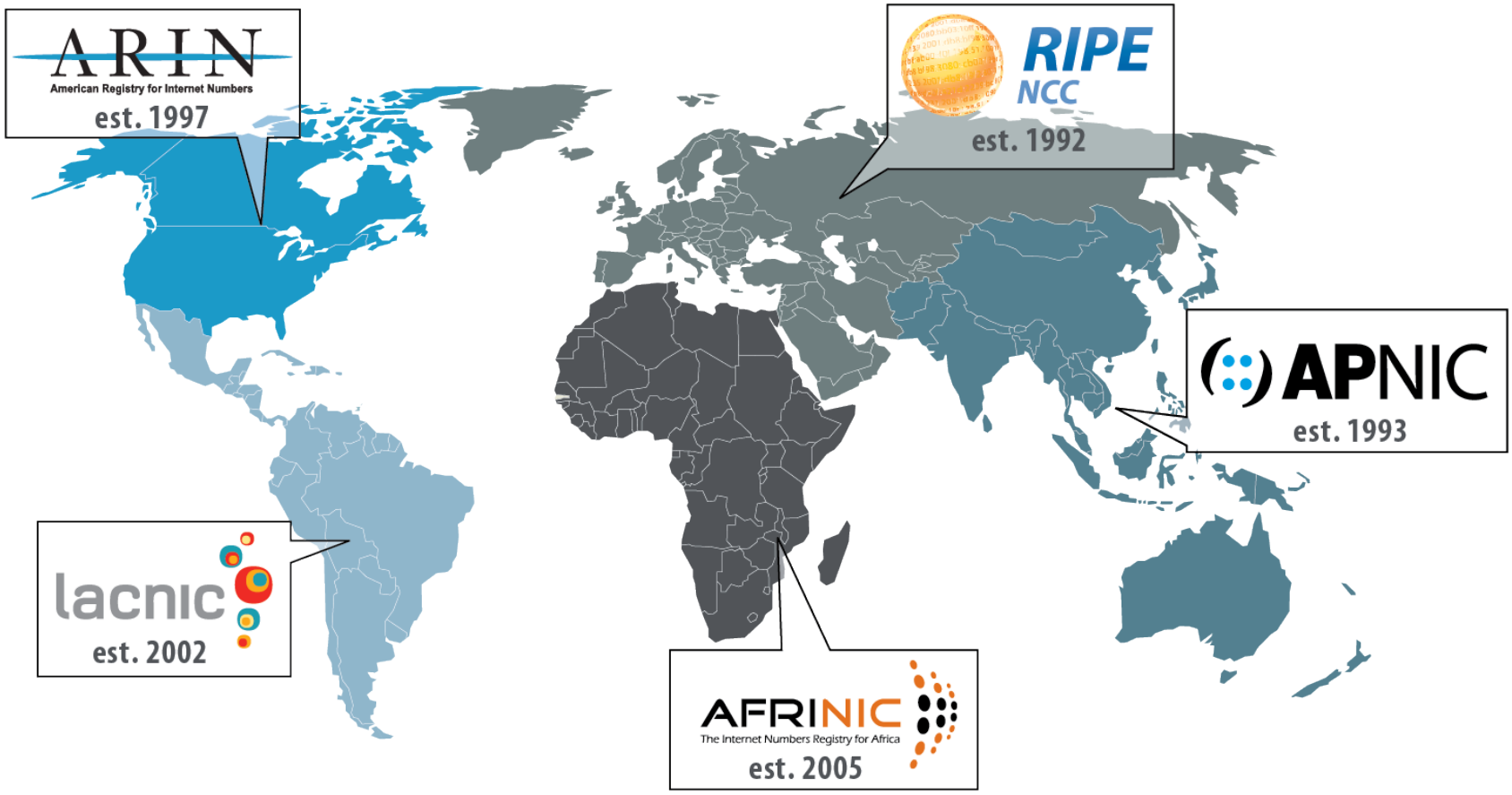
"ARIN, a nonprofit member-based organization, supports the operation of the Internet through the **management of Internet number resources** throughout its service region; **coordinates the development of policies by the community** for the management of Internet Protocol number resources; and advances 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



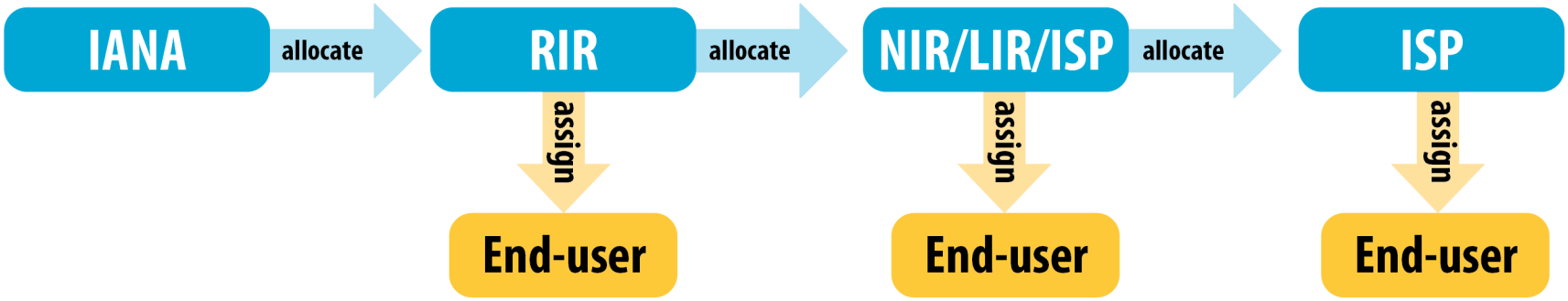
Who Provisions IP Addresses & ASNs?

ICANN IANA	• Top level technical coordination of the Internet (Names, Numbers, Root Servers) • Manage global unallocated IP address pool • **Allocate number resources to RIRs**

RIR	• Manage regional unallocated IP address pool
	  • **Allocate number resources to ISPs/LIRs**
	  • **Assign number resources to End-users**

ISP/LIR	• Manage local IP address pool for use by customers and for infrastructure
	  • **Allocate number resources to ISPs**
	  • **Assign number resources to End-users**

Number Resource Provisioning



ARIN Structure

Not-for-profit	Membership Organization	Community Regulated
• Fee for services, not number resources • 100% community funded	• Broad-based - Private sector - Public sector - Civil society	• Community developed policies • Member-elected executive board • Open and transparent

ARIN Support Organization

ARIN Services

Number Resources	Organization	Policy Development

• IP address allocation & assignment
• ASN assignment
• Directory services
  ◦ Whois -RWS
  ◦ WhoWas
  ◦ IRR
• Reverse DNS
• DNSSEC
• Resource Certification (RPKI)
• Community Software Repository
	• Information dissemination
	  ◦ Websites
	  ◦ Educational materials
	  ◦ IPv6 Wiki
	  ◦ Social media
	• Meetings
	• Elections
	• Outreach
	  ◦ IPv6
	  ◦ Internet Governance
		• Maintain email discussion lists
		• Conduct public policy meetings and public policy consultations
		• Publish policy documents

INTERNET GOVERNANCE =

COORDINATION OF THE MANY ASPECTS

INCLUDING

TECHNICAL STANDARDS, POLICIES, INFRASTRUCTURE

THAT MAKE THE INTERNET **WORK** & **DETERMINE HOW IT IS USED**

INVOLVING

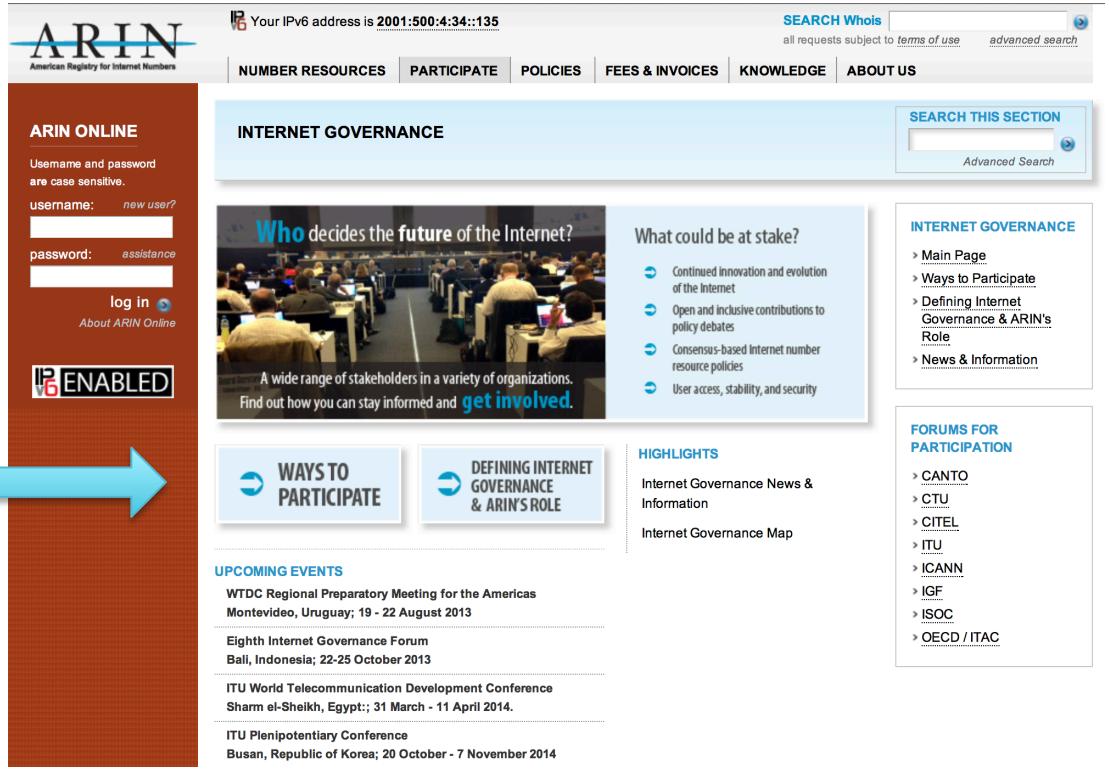
- GOVERNMENTS
- PRIVATE SECTOR
- CIVIL SOCIETY

Information on Joining in the Internet Governance Discussion

Visit ARIN's webpage:

Ways to Participate

in Internet Governance

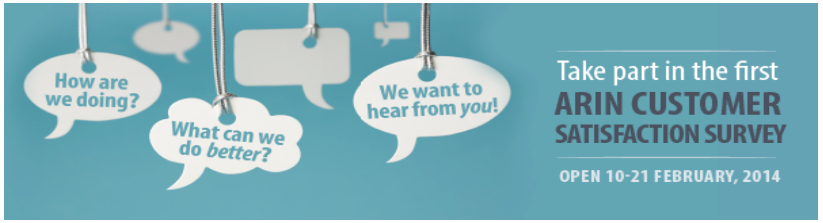


https://www.arin.net/participate/governance/participate.html

Participate in ARIN

Contribute your Opinions and Ideas:

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



FELLOWSHIP PROGRAM
American Registry for Internet Numbers

ARIN Mailing Lists

ARIN Announce: arin-announce@arin.net

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

ARIN Public Policy: arin-ppml@arin.net

ARIN Consultation: arin-consult@arin.net

ARIN Issued: arin-issued@arin.net

ARIN Technical Discussions: arin-tech-discuss@arin.net

Suggestions: arin-suggestions@arin.net

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

Q&A

APPENDIX

Historical Timeline

Government Oversight

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

iana Internet Assigned Numbers Authority → RIPE NCC APNIC **InterNIC** → REGISTRANT

1992 RFC 1366: Regional IRs established; RIPE NCC formed

iana Internet Assigned Numbers Authority → **DDN NIC** RIPE NCC → REGISTRANT

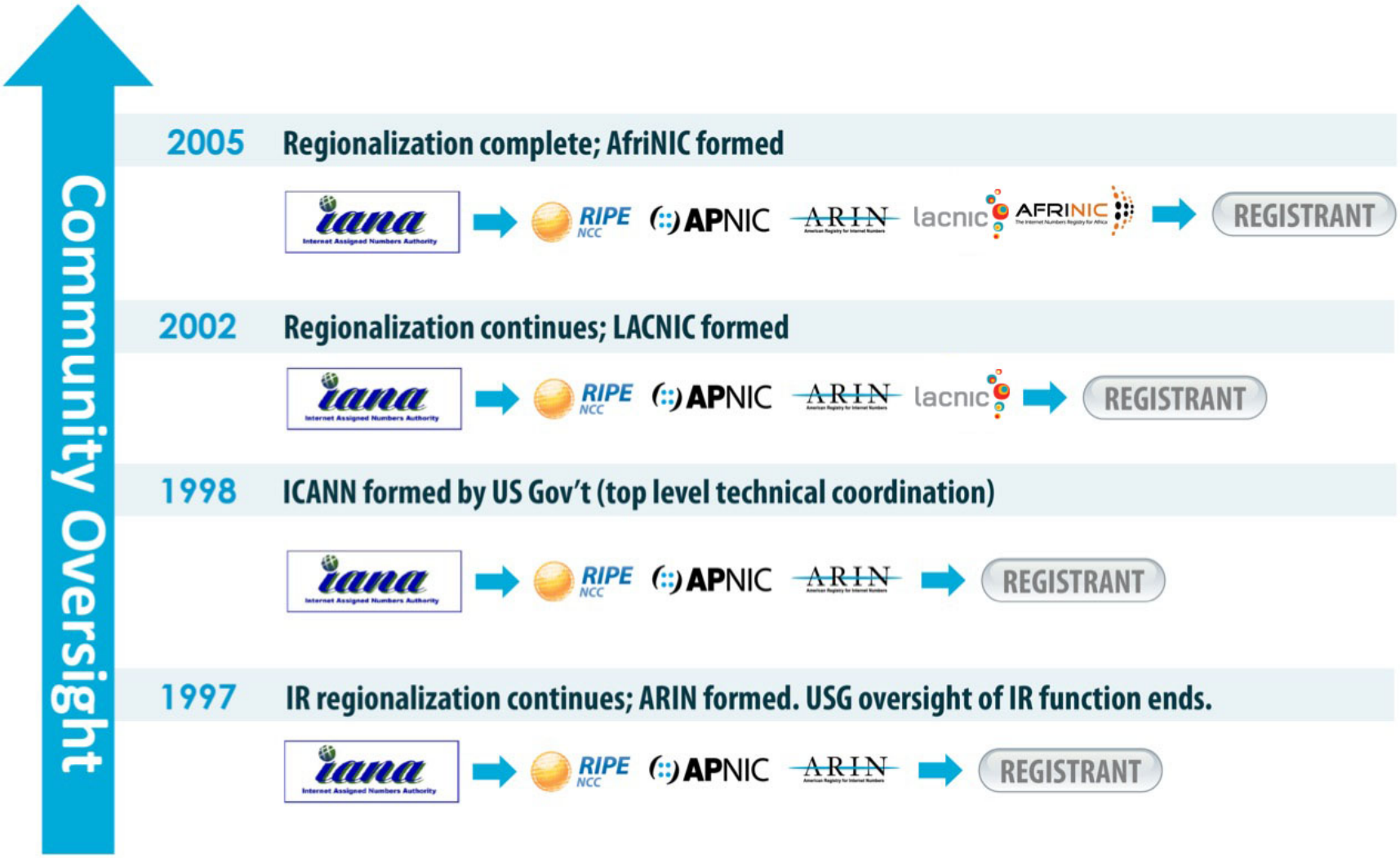
1991 RFC 1261: DoD IR function contract moved to Network Solutions, Inc.

iana Internet Assigned Numbers Authority → **DDN NIC** → REGISTRANT

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

iana Internet Assigned Numbers Authority → **DDN NIC** → REGISTRANT

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

→ REGISTRANT

Historical Timeline