



DALLAS | TX ★ 20-21 OCT 2016

# Newcomer Orientation

# First Timers' Orientation

- Brief introductions
- ARIN and the Internet registry system
- Policy development at a glance
- Proposals under discussion this week
- What's ahead and how to participate
- Q&A

# Special Welcome to our Fellows!



# Self-introductions





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

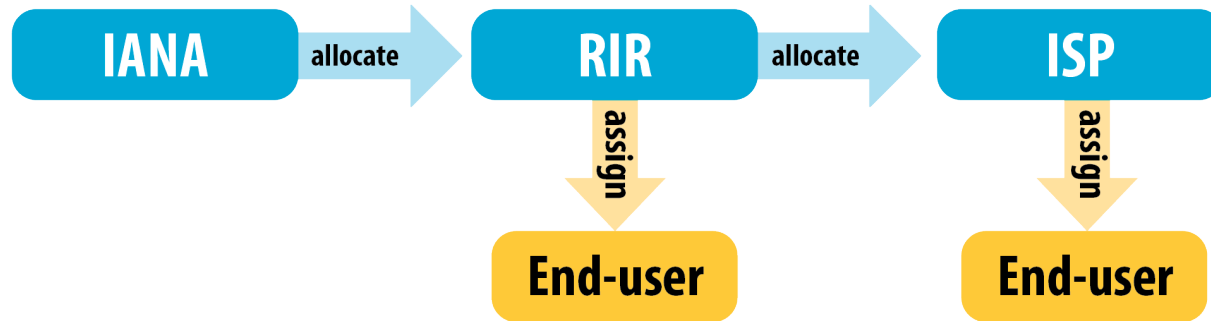
**John Curran, President and CEO**

# What is an RIR?

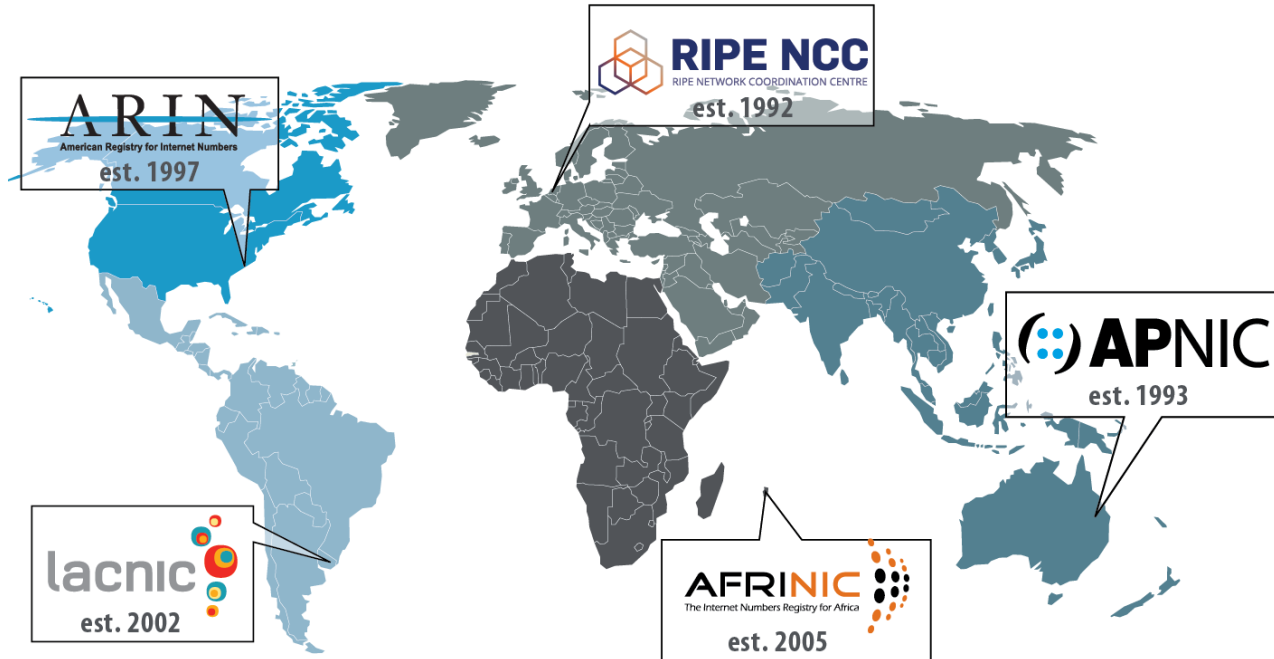
*A Regional Internet Registry (RIR) manages the allocation and registration of Internet number resources\* in a particular region of the world.*

**\*Internet number resources include IP addresses and autonomous system (AS) numbers.**

# IP Address and Autonomous System Number Provisioning Process

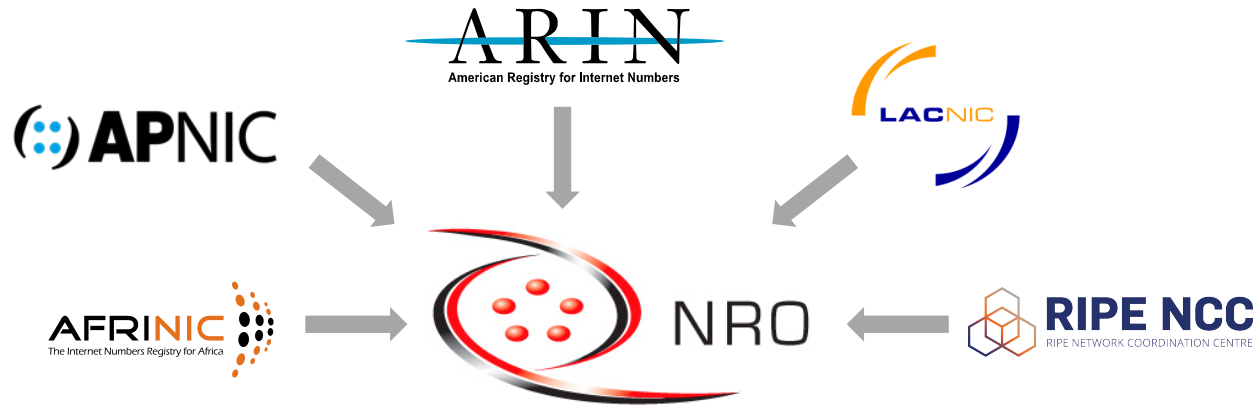


# Regional Internet Registries



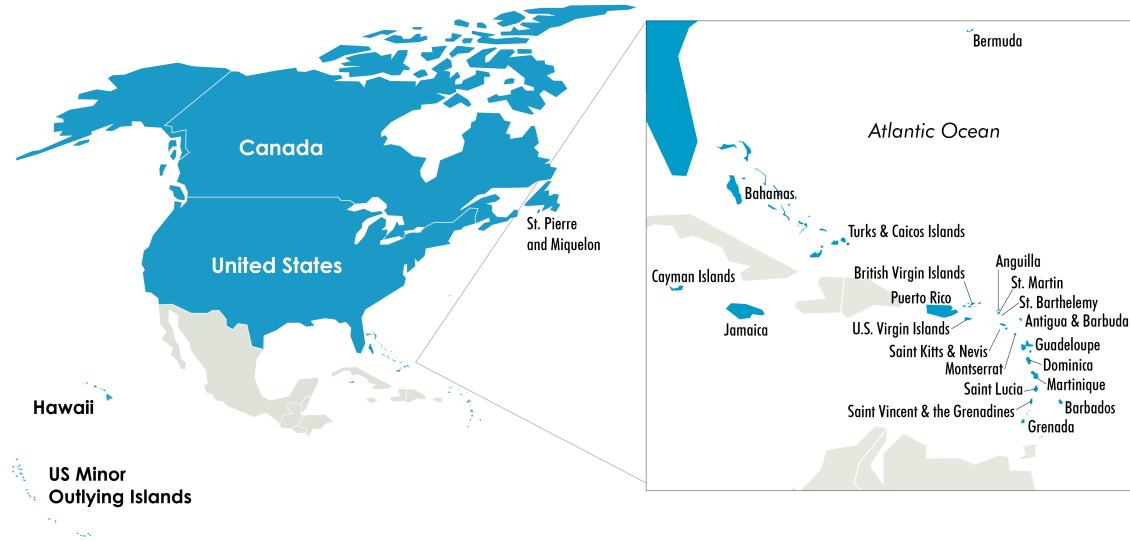


# The Number Resource Organization (NRO)



The NRO exists to protect the unallocated number resource pool, to promote and protect the bottom-up policy development process, and to act as a focal point for Internet community input into the RIR system.

# The ARIN Service Region



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

# 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.**

# 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...

- 20,000+ customers
- 5,375+ members
- 80+ professional staff
- 7-member Board of Trustees
  - 6 elected by the membership + the President & CEO who is elected by the Board
- 15-member Advisory Council
  - Elected by the membership
- 3-person Number Resource Organization Number Council
  - 2 elected by the ARIN Community/1 appointed by ARIN Board

# ARIN Board of Trustees

- Paul Andersen, *Chair*
- Vinton G. Cerf, *Vice Chair*
- John Curran, *President and CEO*
- Timothy Denton, *Secretary*
- Aaron Hughes
- Bill Sandiford, *Treasurer*
- Bill Woodcock

# ARIN Advisory Council



- Dan Alexander, *Chair*
  - Cathy Aronson
  - Owen DeLong
  - Andrew Dul
  - David Farmer
  - David Huberman
  - Scott Leibrand
  - Tina Morris, *Vice Chair*
  - Milton Mueller
  - Amy Potter
  - Leif Sawyer
  - Robert Seastrom
  - John Springer
  - Chris Tacit
- \*One empty seat due to Kevin Blumberg's resignation and appointment to the NRO Number Council

# Number Resource Organization Number Council



Representatives serving from the ARIN region:

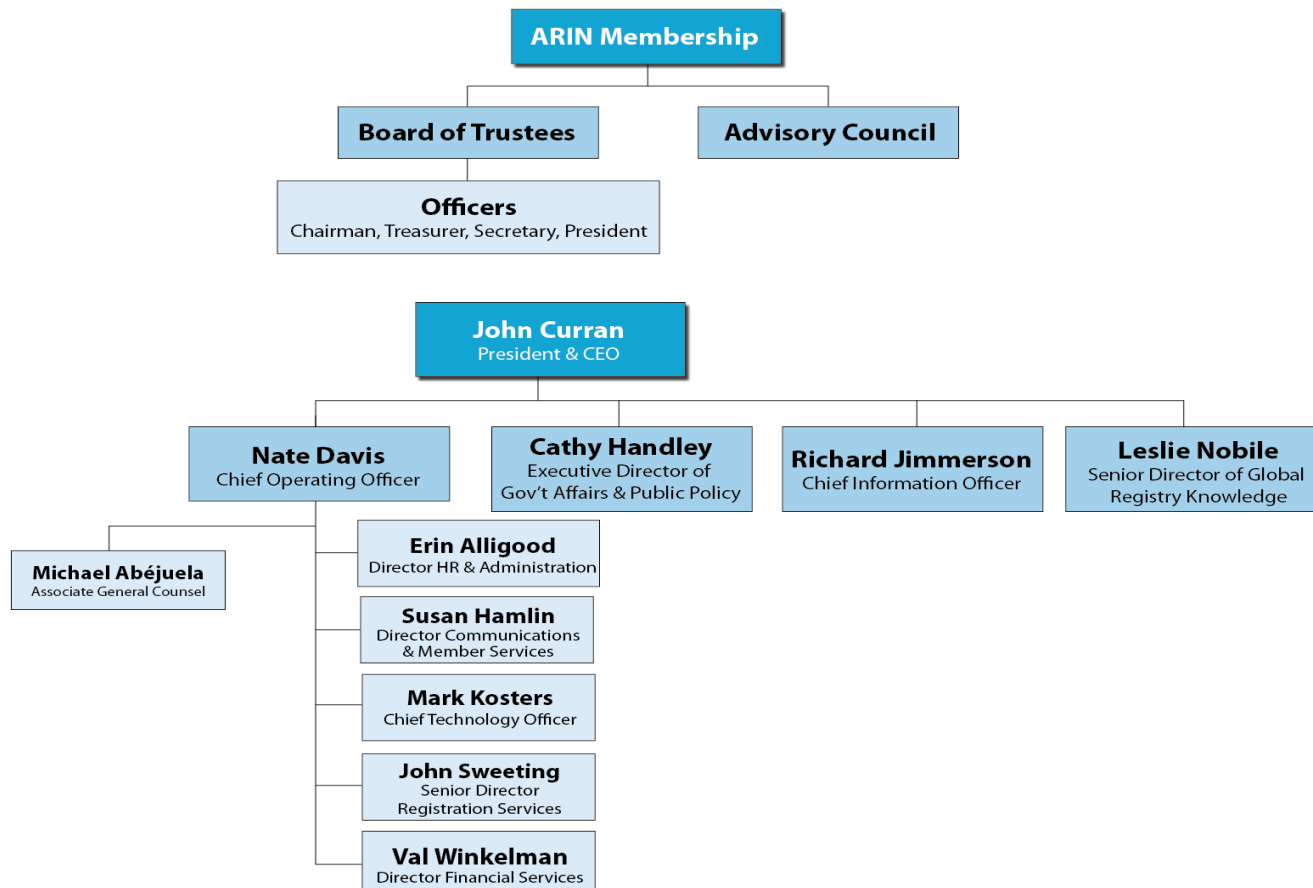
- Kevin Blumberg
- Louis Lee, *Chair*
- Jason Schiller

# ARIN Structure

Nonprofit	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 Organizational Chart



# 2016 Organization Highlights

- IPv4 to IPv6 Transition Awareness
- Continued enhancements to ARIN Online
  - User interface improvements based on user feedback
- Focus on community suggested high impact software development projects
- Continued participation in Internet Governance forums
- Improve customer service

## **ARIN's strategic plan and objectives:**

[https://www.arin.net/about\\_us/corp\\_docs/stratplan.pdf](https://www.arin.net/about_us/corp_docs/stratplan.pdf)

# ARIN Services and Products



ARIN manages:

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

# ARIN Services and Products



ARIN coordinates and administers:

- Policy development
  - Community meetings
  - Discussion
  - Publication
- Elections
- Information publication and dissemination
  - Public relations
- Community outreach
  - ARIN on the Roads, Get6 Campaign
- Education and training

# ARIN Services and Products



ARIN develops technologies for managing Internet number resources:

- ARIN Online
- DNS Security (DNSSEC)
- Resource Certification (RPKI)
- Whois-RWS
- Reg-RWS
- Registry Data Access Protocol (RDAP)
- Community Software Project Repository

# 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, Public Policy Consultations, outreach events
- Submit a suggestion
- Participate in community consultations
- Write a Guest Blog
- Members – Vote in annual elections



# ARIN Mailing Lists

[https://www.arin.net/participate/mailing\\_lists/index.html](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

# Stay Connected on Social Media



[www.TeamARIN.net](http://www.TeamARIN.net)



[www.facebook.com/TeamARIN](http://www.facebook.com/TeamARIN)



@TeamARIN *(use #ARIN37 to tweet during this meeting!)*



[www.google.com/+TeamARIN](http://www.google.com/+TeamARIN)



[www.linkedin.com/company/ARIN](http://www.linkedin.com/company/ARIN)



[www.youtube.com/TeamARIN](http://www.youtube.com/TeamARIN)







# Policy Development Process (PDP)

*Dan Alexander*  
*Chair, ARIN Advisory Council*

# Overview

ARIN Advisory Council members

Principles and the PDP

Current workload

How to get involved

# ARIN Advisory Council



- Dan Alexander, *Chair*
  - Cathy Aronson
  - Owen DeLong
  - Andrew Dul
  - David Farmer
  - David Huberman
  - Scott Leibrand
  - Tina Morris, *Vice Chair*
  - Milton Mueller
  - Amy Potter
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  - John Springer
  - Chris Tacit
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# PDP Principles

## 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**
  - PDP, meeting information, and current/draft policy text

## Bottom-up

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

# PDP

## *Basic Steps*

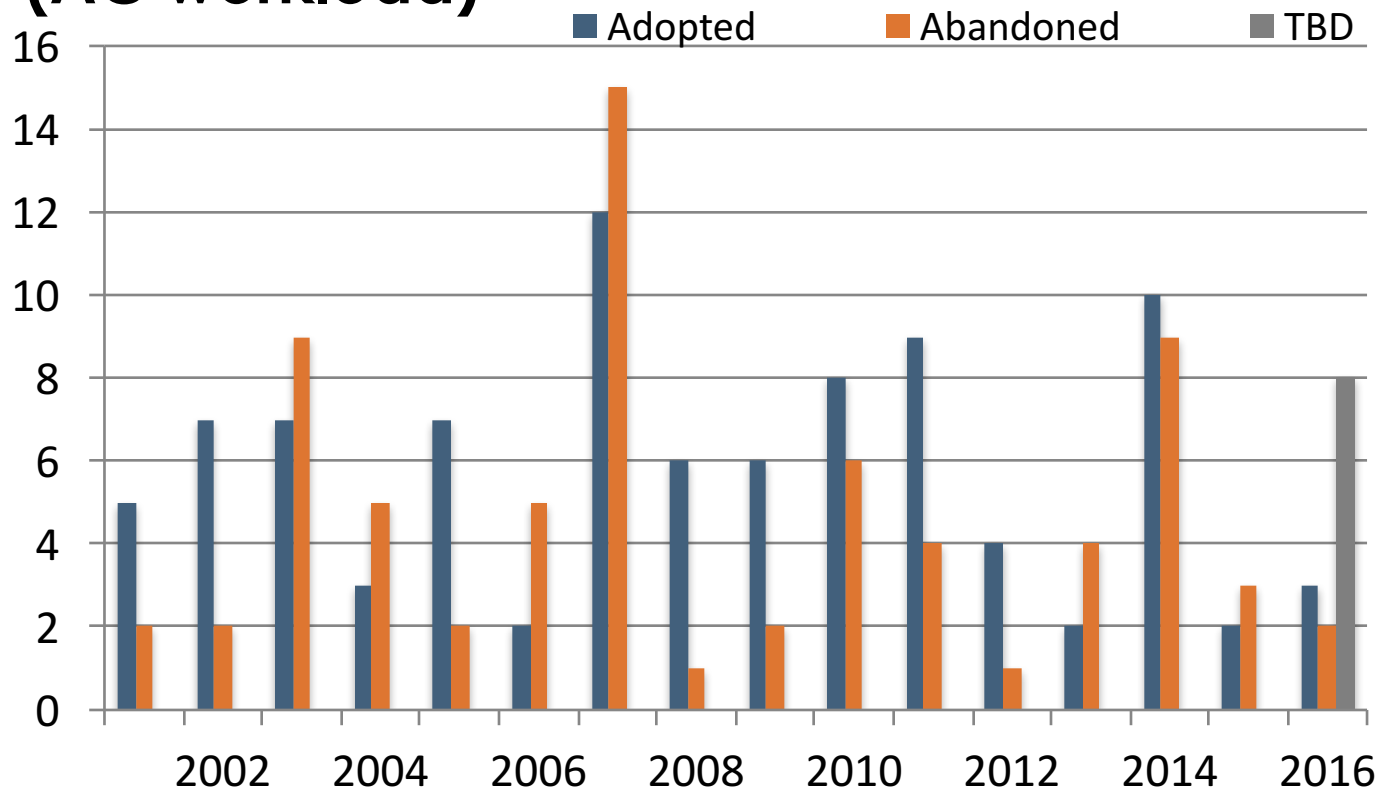
1. Community member submits a Proposal
2. Advisory Council (AC) works with submitter to ensure clear problem statement and suggested policy change
3. AC puts Draft Policy on PPML for community discussion/feedback (possibly presented at PPC/PPM)
4. AC decides: continue work or abandon
5. AC recommends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

# Policy discussions at this meeting

- Recommended Draft Policy ARIN-2015-2: Modify 8.4 (Inter-RIR Transfers to Specified Recipients)
- Recommended Draft Policy ARIN-2015-7: Simplified requirements for demonstrated need for IPv4 transfers
- Recommended Draft Policy ARIN-2016-1: Reserved Pool Transfer Policy
- Recommended Draft Policy ARIN-2016-2: Change timeframes for IPv4 requests to 24 months
- Recommended Draft Policy ARIN-2016-4: Transfers for new entrants
- Recommended Draft Policy ARIN-2016-5: Post-IPv4-Free-Pool-Depletion Transfer Policy
- Recommended Draft Policy ARIN-2016-6: Eliminate HD-Ratio from NRPM
  
- Draft Policy ARIN-2016-3: Alternative simplified criteria for justifying small IPv4 transfers

For details, consult the ARIN 38 Discussion Guide  
and Transfer Policy Comparison Handout

# Proposals at Public Policy Meetings (AC workload)





# How Can You Get Involved?

Two ways to learn and be heard

- 1. Public Policy Mailing List (PPML)**

<http://lists.arin.net/mailman/listinfo/arin-ppml>

- 2. Public Policy Consultations/Meetings**

ARIN meetings (April and October)

ARIN Public Policy Consultations at NANOG  
(twice a year, usually February and June)

Remote participation supported

# Takeaways

- 1) ARIN doesn't create number policy, you do.
- 2) Well documented PDP includes staff/AC assistance throughout the process.
- 3) Stay informed. Join the PPML and/or attend meetings (in person or remotely).

# References

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>



# What's Ahead This Week



## **Tonight:**

Happy Hour 6:00 – 7:00 PM, International Ballroom

DE-CIX Social 7:00 – 9:00 PM

## **Thursday:**

Public Policy Meeting 9:00 AM – 5:00 PM Regency

Lunch for all attendees 12:00 – 1:30 PM Gold Room

Women's Networking Lunch 12:00 – 1:30 PM Parisian Room

Social Perot Museum 6:30 – 10:30 PM (bus provided)

## **Friday:**

Public Policy Meeting 9:00 AM – 12:00 PM Regency

Lunch 12:00 – 1:00 PM Gold Room

Members Meeting (open to all ) 1:00 – 3:00 PM

# Ways to Participate This Week (Membership Not Required!)



- Meet your fellow attendees at meals and during breaks
- Join a lunch table topic discussion led by an Advisory Council member
- ARIN Board, Advisory Council, NRO Number Council and Staff all have ribbons on our name tags – seek us out and ask questions
- Go the floor microphones in the meeting room, be sure to state name and organization upfront
- Raise your hand to voice your opinion when votes are taken during policy discussions

# Don't Forget Your Survey

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

Be present in the meeting room tomorrow morning at the start for the drawing – you might win a \$100 Think Geek gift certificate!

# Questions?