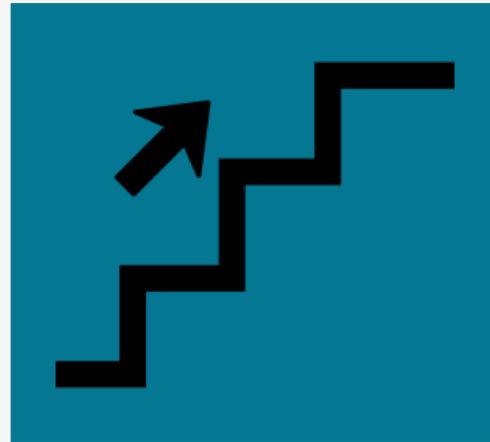
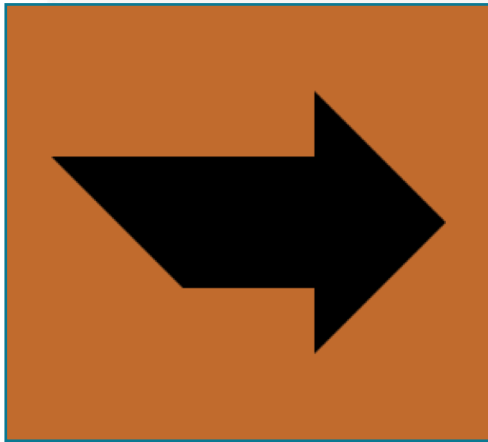




**Sean Hopkins, Policy Analyst**



# Why are you here?





# Agenda

- What Internet number resource policies mean to ARIN and to you
- How policies are developed by the ARIN community
- Who participates
- When key PDP steps occur
- Why you should get involved
- Where you can get started



# Alphabet Soup

- Help with terms and acronyms -

[www.arin.net/acronyms](http://www.arin.net/acronyms)



# So, What's a Policy?



# Policy, Defined

“A course or principle of action adopted and proposed by government, party, business, or individual.”

- Oxford University Press



# What Does ARIN Policy Do?

- ARIN Policy:
  - Establishes the framework for how ARIN allocates and assigns Internet number resources
  - Provides guidance for processing resource allocation, assignment, and transfer requests
  - Provides guidance for maintaining data in directory services like Whois



# ARIN Policies do NOT:

- Dictate ARIN's general business practices
- Set or specify fees collected by ARIN
- Specify how ARIN staff implements policies
- Dictate the PDP itself





# Number Resource Policy Manual

- NRPM: all ARIN policies, arranged by topic
- Topics include:
  - Definitions
  - Directory Services
  - IPv4
  - IPv6
  - Autonomous System Numbers (ASNs)
  - Transfers





# Principles

- In order to be implementable, policy changes must:
  - Allow fair and impartial Internet number resource administration
  - Be technically sound
  - Have community support



# QUIZ

**Name the document  
that contains all ARIN  
Policies**

# Where do Policies Come From?



# It Starts With an Idea!





# Enter the PDP!

- ARIN's process for establishing and evolving policies from the bottom up
- Anyone may participate
- Policies are developed in an open, transparent manner
- Community-elected bodies and ARIN staff facilitate



# Scope of the PDP

- Internet number resource distribution and management
- Registration data and directory services
- Global policies
  - Policies with global application are developed through the Global Policy Development Process





# PDP involves...

- **The community and elected bodies**, who work together to develop policies
- **ARIN staff**, who have specific roles in facilitating the Policy Development Process



# The Community

- Policies and policy ideas come from **community members!**
- Submit an idea (Proposal) and become an author



Regional Internet Registries (RIRs) and their respective service Regions



# Author(s)

- Also called originators
- Submit the proposal
- Often leave development to ARIN's community and elected bodies
  - Can stay more involved if they wish





# Advisory Council

- 15 members, three-year terms
- Responsible for shepherding proposals
- Presents Draft and Recommended Draft Policies at ARIN meetings
- Meets monthly to discuss and execute the Policy Development Process

- **Chair:** Tina Morris
- **Vice Chair:** Leif Sawyer
- Owen DeLong
- Andrew Dul
- David Farmer
- Kat Hunter
- Alyssa Moore
- Amy Potter
- Joe Provo
- Kerrie Richards
- Rob Seastrom
- Chris Tacit
- Alicia Trotman
- Alison Wood
- Chris Woodfield



# Board of Trustees

- Ratifies policy changes
- Provides strategic direction for ARIN's scope and mission, and provides fiscal oversight
- Six Elected members and ARIN President & CEO
  - Option to appoint eighth (Regenie Fräser)
- Three-year terms

- **Chair:** Paul Andersen
- **Vice Chair:** Bill Sandiford
- **Treasurer:** Nancy Carter
- Dan Alexander
- John Curran, President and CEO
- Regenie Fräser
- Patrick Gilmore
- Peter Harrison



# ARIN staff

- Facilitates the Policy Development Process by:
  - Serving in secretariat duties to the Board/Advisory Council
  - Facilitating Public Policy and Members Meetings
  - Implementing policies once they have made it through the PDP
  - Reporting feedback on existing and recently implemented policies

# QUIZ

**How many Advisory  
Council members are  
there?**



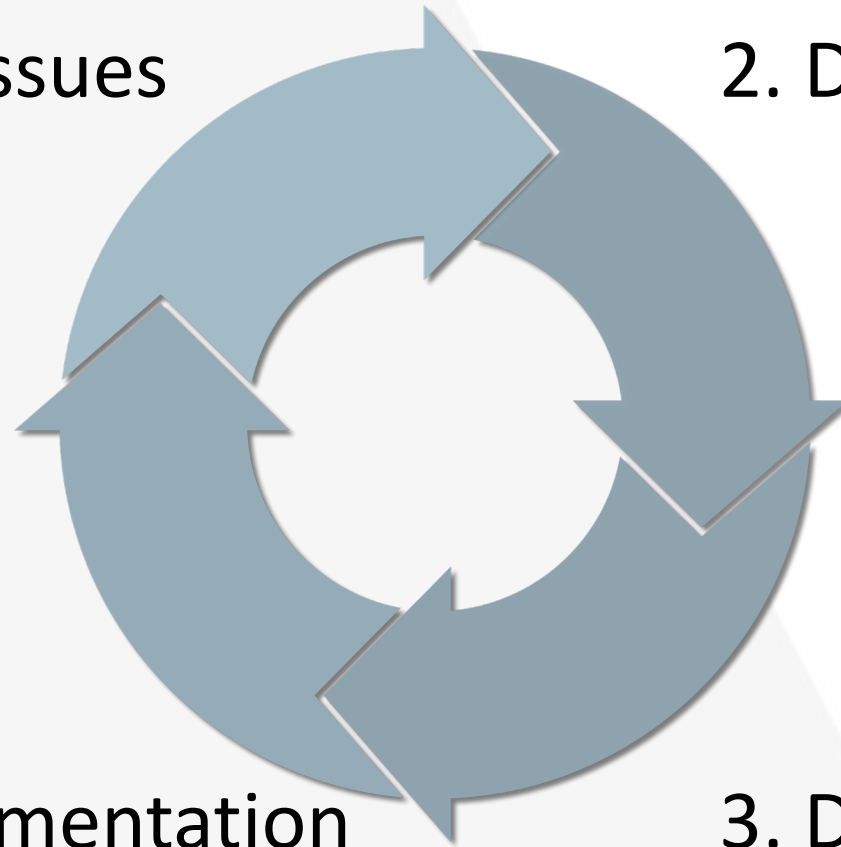
# Policy Development Process Steps



# PDP as a Life Cycle

1. Identify policy issues

2. Draft/submit proposals



4. Approval/implementation

3. Discuss and refine text



# Proposals

- Changes begin as proposals
- From anyone, anywhere
- Address a valid problem in the scope of the PDP or NRPM





# Advisory Council Shepherds

Proposals submitted  
to the Advisory  
Council Chair



Chair assigns two  
Advisory Council  
“shepherds”



Shepherds work with  
proposal author until:

- Clear problem statement
- Changes in scope of PDP



# Advisory Council Meetings

- All Proposals are discussed at monthly Advisory Council meetings
- Roll call votes taken to advance Proposals through all steps
- Results are sent to the Public Policy Mailing List (PPML) after three business days



# Remanding

- The Advisory Council remands proposals if
  - No clear problem statement
  - Out of scope
- Authors can **always** revise/resubmit/work with Advisory Council or others
- Unrevised proposals are deemed abandoned after 60 days



# Draft policies

- In-scope proposal with valid problem statement can become draft policies via roll call vote
- A work in progress
- Discussed on Public Policy Mailing List (PPML) and at Member Meetings





# Staff and Legal Reviews

- Advisory Council members request Staff and Legal Reviews to determine:
  - Impact on current policy and ARIN business practices
  - Any operational or legal risks involved in implementation
  - How long ARIN staff need to implement





# Editorial Changes

- If a Draft Policy is deemed a **minor**, non-substantive change to the NRPM, the AC may vote to classify it as an **editorial change**.
- 30-day review period on the Public Policy Mailing List
- AC and Board of Trustees must agree to it before staff implements it



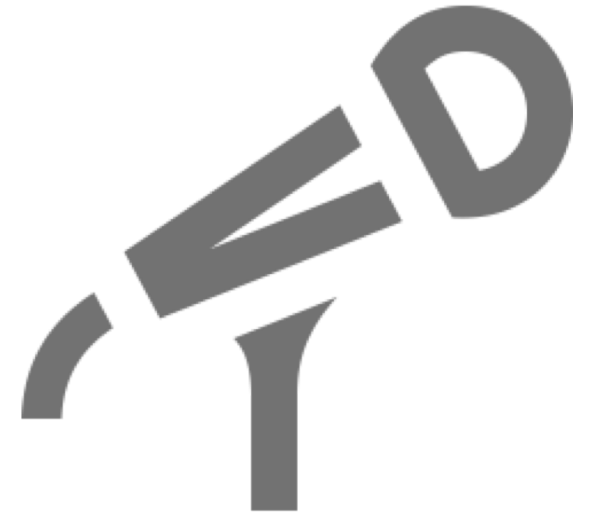
# Abandonment

- If a Draft Policy does not meet the principles, the Advisory Council may **abandon** it
- Requires a roll-call vote
- 5 days to **petition**
- Usually can be reworked



# Public Policy Meetings

- All Draft Policies and Recommended Draft Policies are presented
- Community input and feedback is taken at microphones
- Remote participation is available





# Objections

- Anyone with an objection encouraged to speak up
- Objections are equally important at the mic, on the mailing list, or anywhere else
- Objections are considered before advancing any Recommended Draft Policy



# Last Call

- Opportunity for final review by the community
- Announced via the Public Policy Mailing List
- Lasts for at least 14 days, and may be extended by the Advisory Council



# Board Review

- After Last Call, the Advisory Council may advance Recommended Draft Policies to the Board for review
- Recommended Draft Policy text and history are reviewed



# Board actions

**Adopt:** Process followed, text meets principles, no outstanding major objections

**Reject:** Text does not meet principles and needs complete rework/resubmission by the author or did not follow the process

**Remand:** The process was followed, but the text needs revision to meet principles



# Implementation

- The projected implementation date of the policy is announced
- ARIN staff implements the policy and publishes/announces an updated Number Resource Policy Manual





# Emergency PDP and Suspension

- Rarely used
- Emergency PDP results in a Recommended Draft Policy
- Board may suspend existing policies if significant problems arise
- Suspended and Emergency policies are posted for discussion for 14 days, agreed on by the AC/Board, and discussed at ARIN meetings



# Policy Experience Reports

- Presented by the Senior Director of Registration Services
- Showcases recently adopted policies, relevant statistics, and any reported staff or community feedback
- Each ARIN meeting includes a Policy Experience Report



# Petitions

- Request advancement of any proposal or draft policy
- Override abandonment, rejection, or delays
- Require 10 (sometimes more) supporters from different organizations
- Successfully petitioned Draft or Recommended Draft Policies become controlled by the petitioner and presented at the next ARIN meeting

# QUIZ

# **Name the three Principles of Internet Number resource policy**

# ARIN Meetings



# Public Policy Meetings

- Held every April and October
- Open to the public and free to attend if you register beforehand
- Remote participation is available and includes:
  - Live webcast and transcript
  - Chat rooms
  - Straw poll participation



# Location, Location, Location

- Meeting locations rotate between the US, Canada, and Caribbean, depending on network sponsorship and venue availability
- If you would like to sponsor a meeting in your neighborhood, visit <https://www.arin.net/participate/meetings/sponsors/>





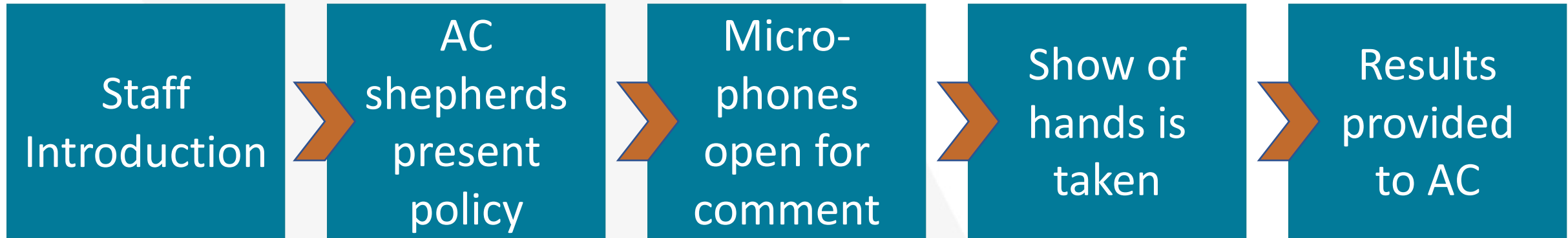


# Typical Agenda Includes:

- Newcomer sessions and tutorials (like this one!)
- Policy discussions
- Relevant presentations from ARIN staff and community members
- Updates from other regions



# Policy Discussion



# QUIZ

**Who presents the current  
Draft/Recommended Draft  
text to the community?**



# Many Ways to Participate

- Attend an ARIN meeting in person or remotely
- Join the Advisory Council and help shepherd Proposals through the process
- Conduct your own outreach to colleagues and friends
- Sponsor an ARIN meeting in your area
- Request an ARIN speaker for your organization or association



# ARIN 44 Policy Discussions

- Recommended Draft Policies
  - ARIN-2018-6: Clarify Reassignment Requirements in 4.2.3.7.1
  - ARIN-2019-1: Clarify Section 4 IPv4 Request Requirements
  - ARIN-2019-3: Update 4.10 – IPv6 Deployment Block
  - ARIN-2019-8: Clarification of Section 4.10 for Multiple Discrete Networks
  - ARIN-2019-10: Inter-RIR M&A
  - ARIN-2019-15: Hijacking Authorization Not-intended



# ARIN 44 Policy Discussions

- **Draft Policies**
  - ARIN-2019-12: M&A Legal Jurisdiction Exclusion
  - ARIN-2019-13: ARIN Membership Legal Jurisdiction Exclusion
  - ARIN-2019-17: Returned Addresses to the 4.10 Reserved Pool
  - ARIN-2019-18: LIR/ISP Re-Assignment to Non-Connected Networks

**Get Involved!**  
**Stay Involved!**





# Many Ways to Participate

- Attend an ARIN meeting in person or remotely
- Join the Advisory Council and help shepherd Proposals through the process
- Conduct your own outreach to colleagues and friends
- Sponsor an ARIN meeting in your area



# More ways...

- Subscribe to the Public Policy Mailing List at <http://lists.arin.net/mailman/listinfo/arin-ppml>
- Submit a proposal
- Request an ARIN speaker for your organization or association



# Reach out to us

- [info@arin.net](mailto:info@arin.net)
- [sean@arin.net](mailto:sean@arin.net)
- Registration Services staff available via...
  - Phone: 703.227.0660
  - Ask ARIN (inside ARIN Online)

**ANY QUESTIONS**



# Q&A

**Take the survey!**

[https://www.surveymonkey.com/r/ARIN\\_44\\_PDP\\_tutorial](https://www.surveymonkey.com/r/ARIN_44_PDP_tutorial)