ARIN Update

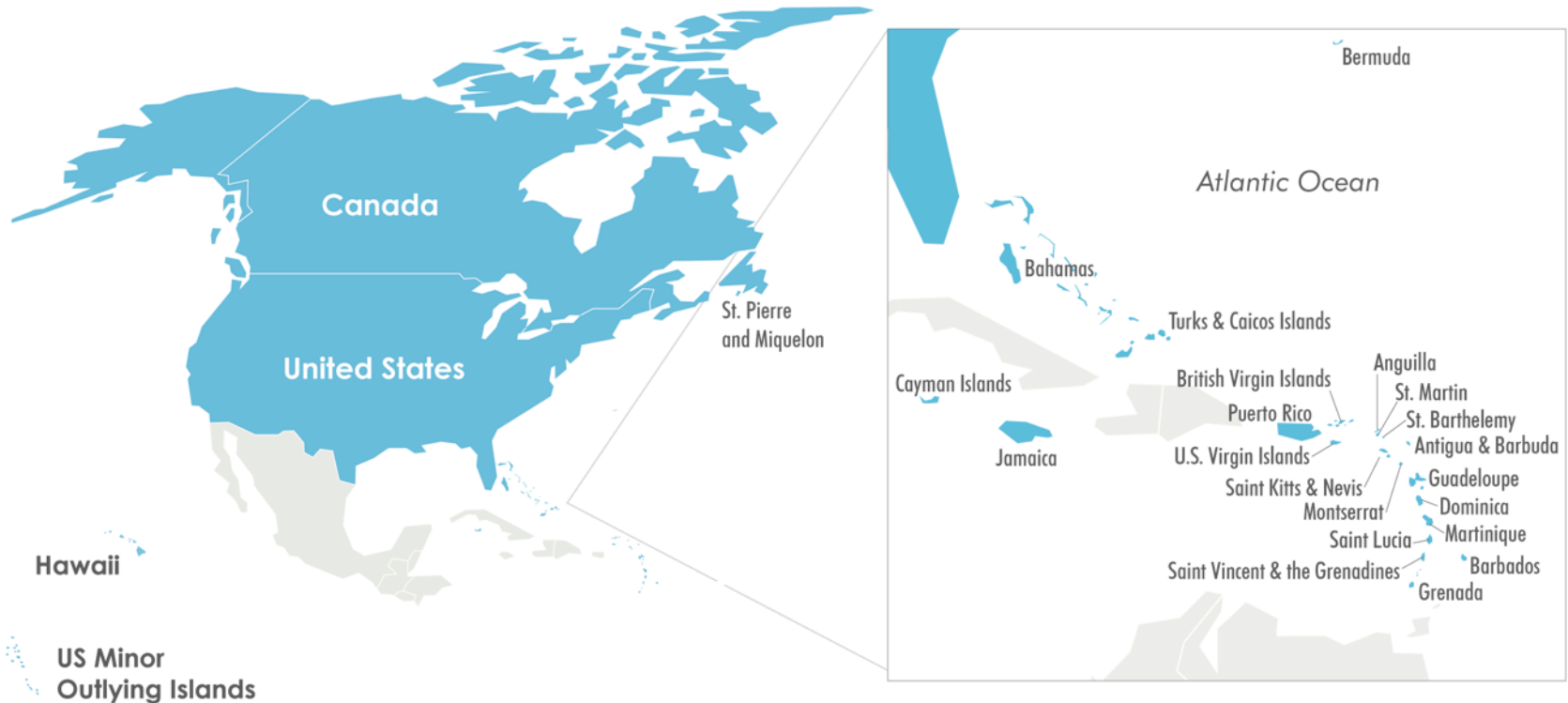**Aaron Hughes**
Board of Trustees

ARIN Region

- **The ARIN region includes many Caribbean and North Atlantic islands, Canada, the United States and outlying areas**
  - **Total organizations served: 37,000+**
    - **Organizations paying fees for services: 20,000+**
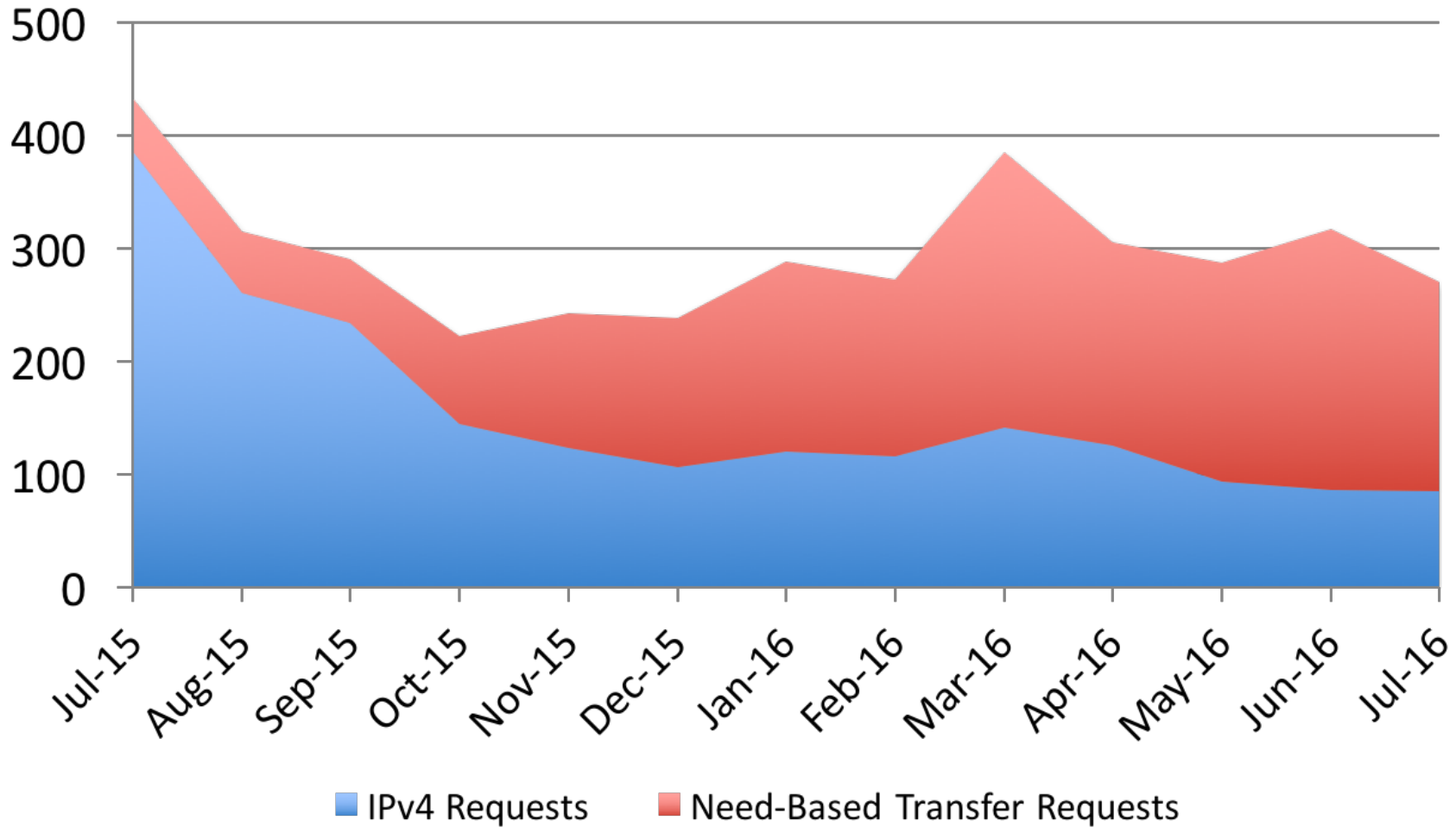   - **Member organizations: 5,300+**

Current Focus

1. IPv6 Transition Awareness Targeting ISPs, Content Providers, and Various Industry Sectors

2. Continue advocacy of community-based multi-stakeholder policy development model in Internet Governance

3. Encouraging responsible Internet resource oversight in IANA transition discussions

4. Continue ARIN Online interface/functionality enhancements per user feedback and staff experience

5. Focus on software development efforts that are:

   - Customer-facing

   - Community-suggested

   - High-impact

6. Improve services based on customer survey results

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Post-IPv4 Observations

- IPv4 demand remains high
  - Increased transfers/market activity
  - Decrease in free pool IPv4 requests

- Seeing an increase in attempted resource hijacking and fraudulent activities related to transfers
  - IPv4 blocks with stale contact information (especially legacy) are the prime targets

- IPv6 requests remain steady

IPv4 Request Activity

Ongoing Training and Education Efforts

- Educational Materials library (RIR/IPv6/Technical Information and Statistics)
  - https://www.arin.net/knowledge
- Instructional Video Library
  - http://youtube.com/teamarin
- In-person Training/Education
  - ARIN on the Road, ARIN + NANOG on the Road, other fora upon request
- Personalized telephone consultations offered to all customers
- Phone helpdesk, operated Monday-Friday, 7:00 AM – 7:00 PM

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Outreach and Community Engagement

1. Engage members and customers in Policy Development through Public Policy Meetings and Consultations

2. Work closely with NANOG, ISOC, and other industry groups to ensure education, empowerment, engagement

3. Collaborate with Caribbean organizations to maximize inclusion
   - CANTO
   - Caribbean Telecommunications Union (CTU)
   - CaribNOG
   - Caribbean Internet Governance Forum
   - More!

ARIN
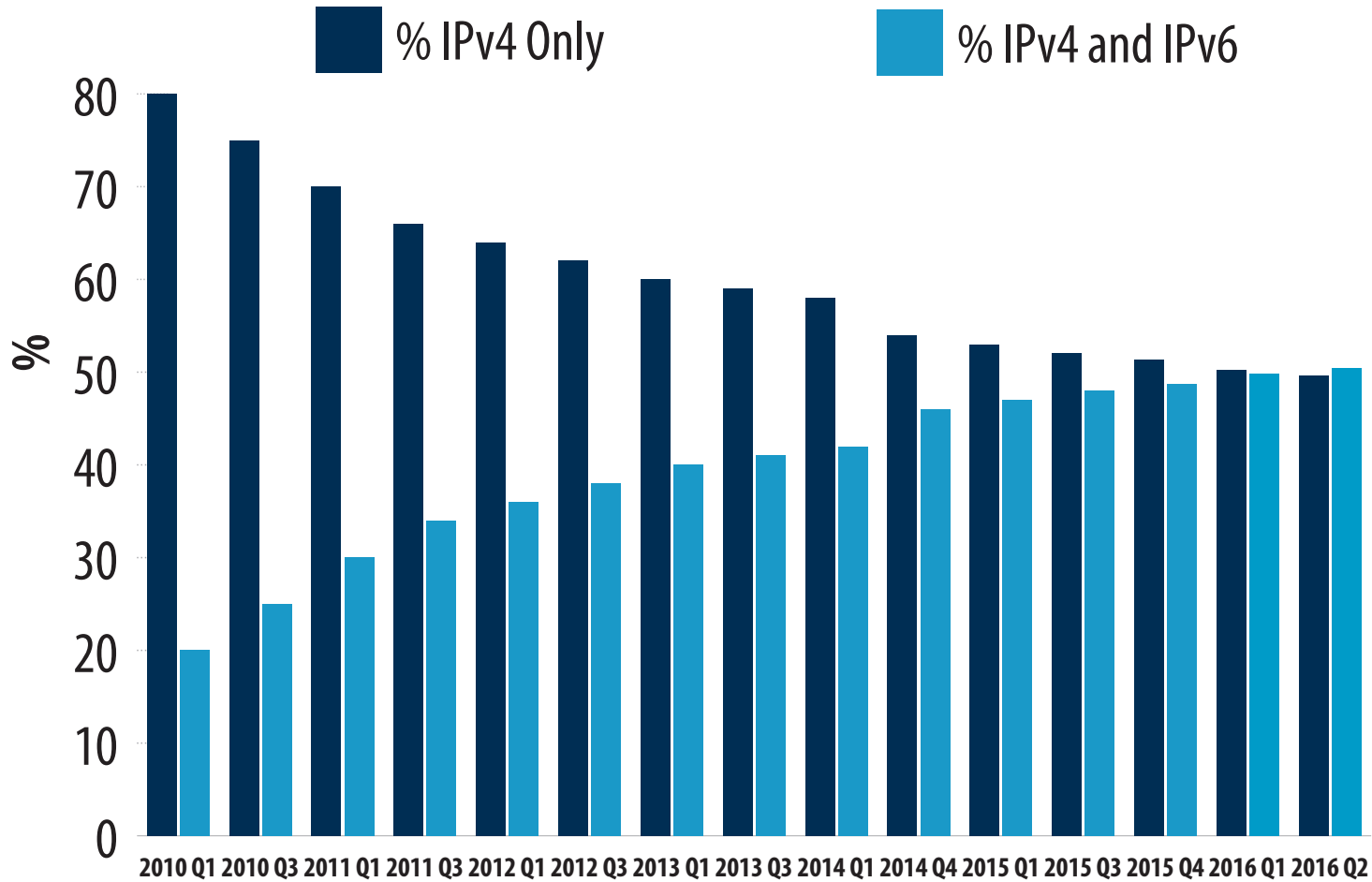American Registry for Internet Numbers

International Community Engagement

1. International Internet Governance Participation
   - Fostering working relationships on a global scale
   - Being a key resource for Internet governance debate participants
   - Supporting cooperation and direct involvement alongside governments and international organizations

2. Support and participate in the Canadian, Caribbean, and US regional Internet governance forums

Recent Service Enhancements

- ARIN Online Improvements
  - Resource Transfer Integration (November 2015)
  - ARIN Online Dashboard (May 2016)
  - SWIP Easy (July 2016)
- Whois Quick Guide
  - https://www.arin.net/resources/services/whois_guide.html
- Dedicated Information Page for Law Enforcement Agencies (LEAs)
  - https://www.arin.net/knowledge/law_enforcement.html
- Streamlined Resource Request Guidelines
  - https://www.arin.net/resources/request.html
  - https://www.arin.net/resources/request_ipv4.html
- Dedicated Registration Services staff for fraudulent activity management

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ISP Members with IPv4 and IPv6

% IPv4 Only   **% IPv4 and IPv6**

5,365 ISP Members as of 31 August 2016

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Policy Proposals

Recently Implemented (July 2016):

- ARIN-2015-3: Remove 30 day utilization requirement in end-user IPv4 policy
- ARIN-2015-5: Out of region use
- ARIN-2015-11: Remove _**transfer**_ language which only applied pre-exhaustion of IPv4 pool

Under discussion:

- 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**_

Details: https://www.arin.net/policy/proposals

ARIN Public Policy and Members Meetings

ARIN 39 — NEW ORLEANS | 2-5 APRIL 2017

ARIN 40 — SAN JOSE · 5-6 OCT 2017

NANOG

FELLOWSHIP PROGRAM — American Registry for Internet Numbers

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