



# ARIN Update

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# 2012 Focus

- **IPv4 Depletion & IPv6 Uptake**
  - Developing, adapting, and enhancing processes and procedures
    - IPv4 Depletion Plan
  - Continuing IPv6 outreach
  - IPv4 Transfers
- **Continued development and integration of web-based system (ARIN Online)**
- **RPKI deployment**
- **Continued participation in Internet Governance forums**

# Current IPv4 Inventory

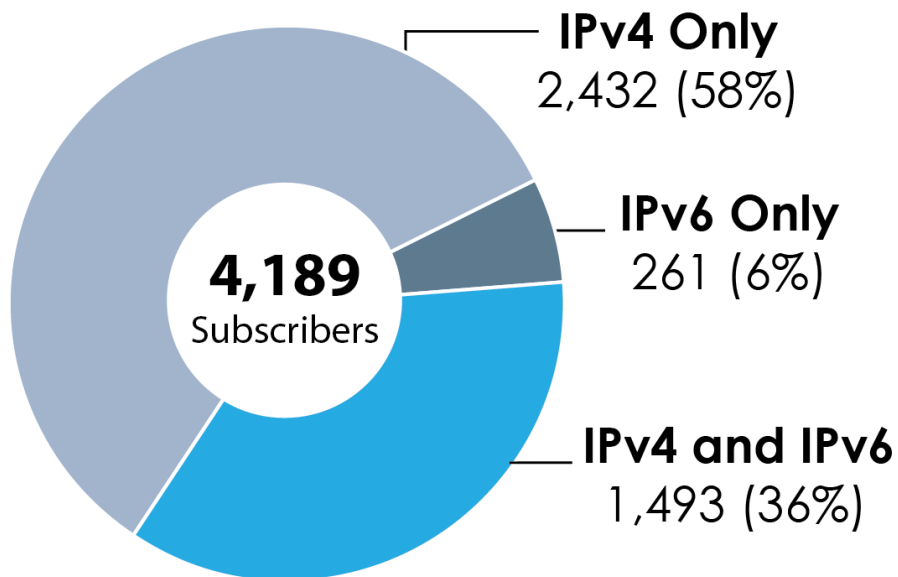


- **2.89 /8 equivalents** in the pool of “**available addresses**”
- **~5 /16 equivalents** in the “RRH” bucket (RRH = returned, revoked, held)
- **1 /10 reserved**
  - For NRPM 4.10 “Dedicated IPv4 block to facilitate IPv6 Deployment”



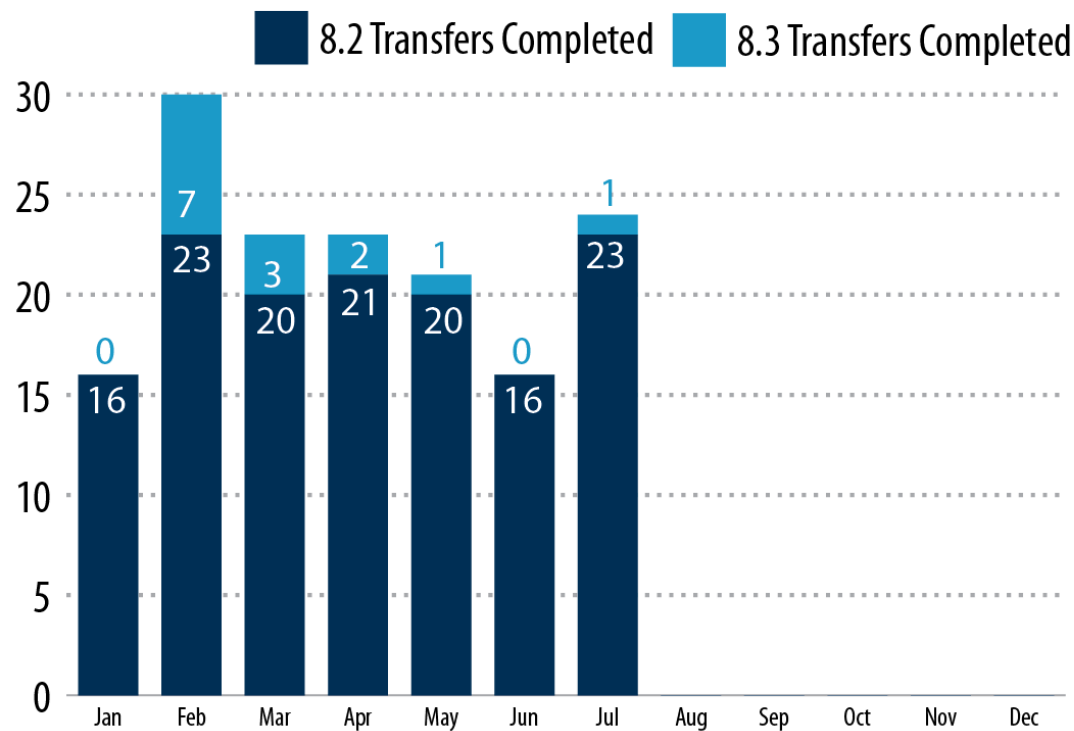
# IPv4 vs IPv6 Subscribers

Total of 4,189 ISP Subscriber Members



# IPv4 Transfer Stats

## Transfers Completed



\*8.2 transfers are Mergers & Acquisitions

\*8.3 transfers are to Specified Recipients

## Specified Transfer Listing Service (STLS)

- Voluntary listing service established to facilitate the transfer of IPv4
  - **“Lister”**- \*validated entity that has IPv4 space available for transfer
  - **“Seeker”**- \*validated entity that has a demonstrated need for IPv4 space and can pre-qualify under policy
  - **“Facilitator”**- \*validated entity that facilitates transfers between agreeing parties

[\\*https://www.arin.net/resources/transfer\\_listing/listings.txt](https://www.arin.net/resources/transfer_listing/listings.txt)

# Recently Implemented Policies

## **ARIN-2011-1: ARIN Inter-RIR Transfers and**

## **ARIN-2012-1: Clarifying Requirements for IPv4 Transfers**

Inter-regional transfers may take place via RIRs who agree to the transfer and share reciprocal, compatible, needs-based policies

## **ARIN-2012-3: ASN Transfers**

Added ASNs to “8.3. Transfers between Specified Recipients within the ARIN Region”

**Text available at:** [https://www.arin.net/policy/proposals/policy\\_archive.html](https://www.arin.net/policy/proposals/policy_archive.html)

**ARIN Number Resource Policy Manual:**

<https://www.arin.net/policy/nrpm.html>



# Policy Proposals

## **ARIN-2012-5: Removal of Renumbering Requirement for Small Multihomers**

IPv4: Removes a renumbering requirement that affects small, multihomed end users.

## **ARIN-2012-7: Reassignments for Third Party Internet Access (TPIA) over Cable**

IPv4: Makes it easier for certain ISPs to get subsequent IPv4 allocations.

## **ARIN-2012-6: Revising Section 4.4 C/I Reserved Pool Size**

IPv4: Increases the reserve for critical infrastructure from a /16 to a /15.

## **ARIN-2012-2: IPv6 Subsequent Allocations Utilization Requirement**

IPv6: Makes it easier for ISPs to get subsequent allocations.

## **ARIN-2012-8: Aligning 8.2 and 8.3 Transfer Policy**

Transfer Policy: Adds some of the 8.3 criteria to 8.2 transfers.

## **ARIN-prop-180 ISP Private Reassignment**

Directory Services: Creates an “unlisted number” state which ISPs may apply to some of their customer IP network address records.

## **ARIN-prop-181 Penalize IPv4 bad actors**

Makes it harder for for certain ISPs to get IPv4 allocations.

Text available at: <https://www.arin.net/policy/proposals/>



# Public Facing Development Efforts

- **RPKI**
  - Hosted: Deployed 15 September 2012
  - Delegated: Development underway
  - Pilot has been decommissioned
- **ARIN Online**
  - Billing integration initiated

# Upcoming ARIN Meetings



**Spring 2013** – *in progress*



