



# RSD Update

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# RSD Team

## Principal Resource Analyst

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## Resource Analysts

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# Current Focus

- **IPv4 Depletion Planning**
  - Phase 2 implemented on Sept. 18
- **Transfers**
  - Seeing slight increase in 8.2 and 8.3 transfers
  - Completed first inter-RIR transfer (8.4)
- **Evaluating and Improving processes, procedures and customer service**
- **Policy Work**
  - Staff assessments, new policy implementation, on-going policy review
- **Business as Usual...**
  - Keeping the registry running

# ARIN's IPv4 Countdown Plan

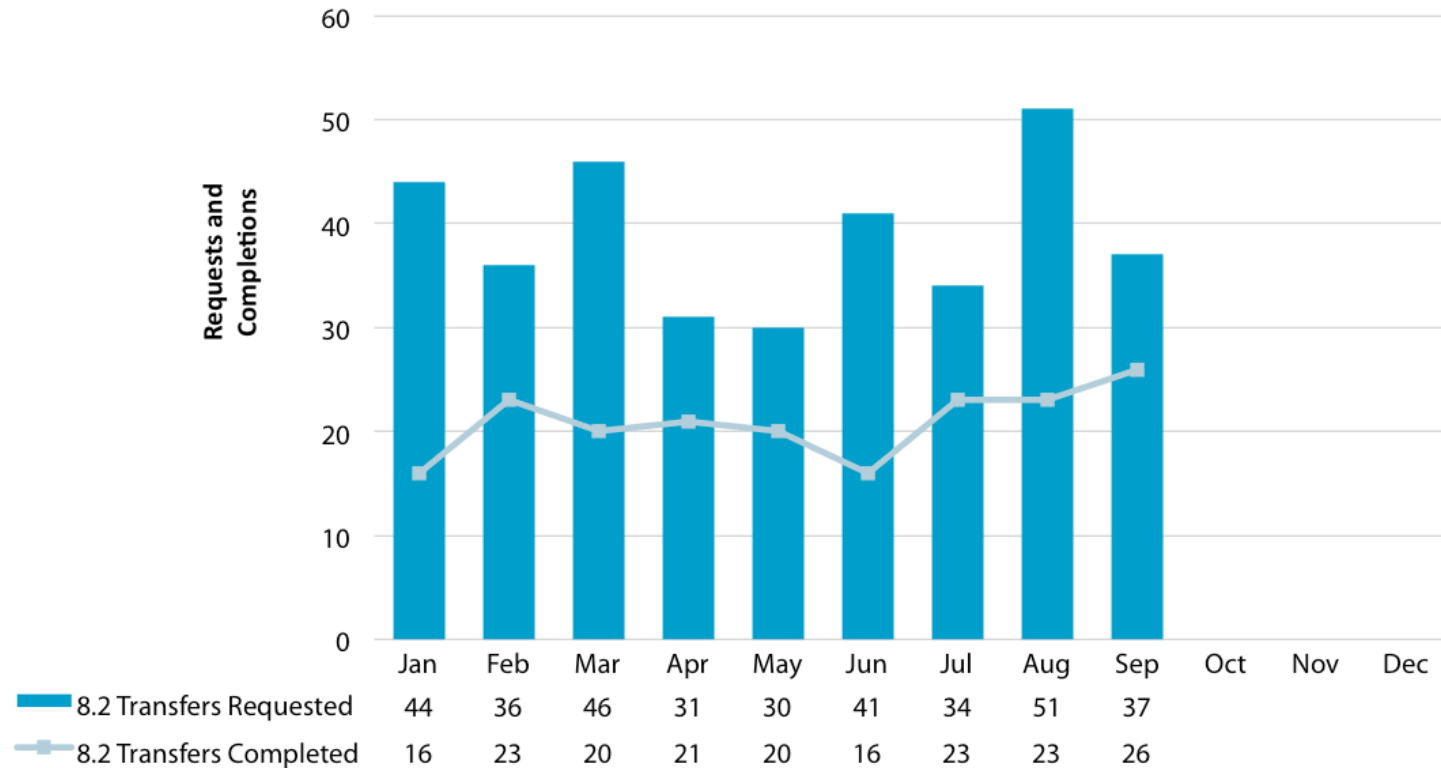
- Currently in Phase 2
  - **Phase 2: 3 /8 Equivalents Left**
    - /16 and larger requests team-reviewed in a first in, first out fashion
    - 60 days to complete payment/RSA for IPv4 requests
    - IPv4 hold period moves from 6 to 3 months



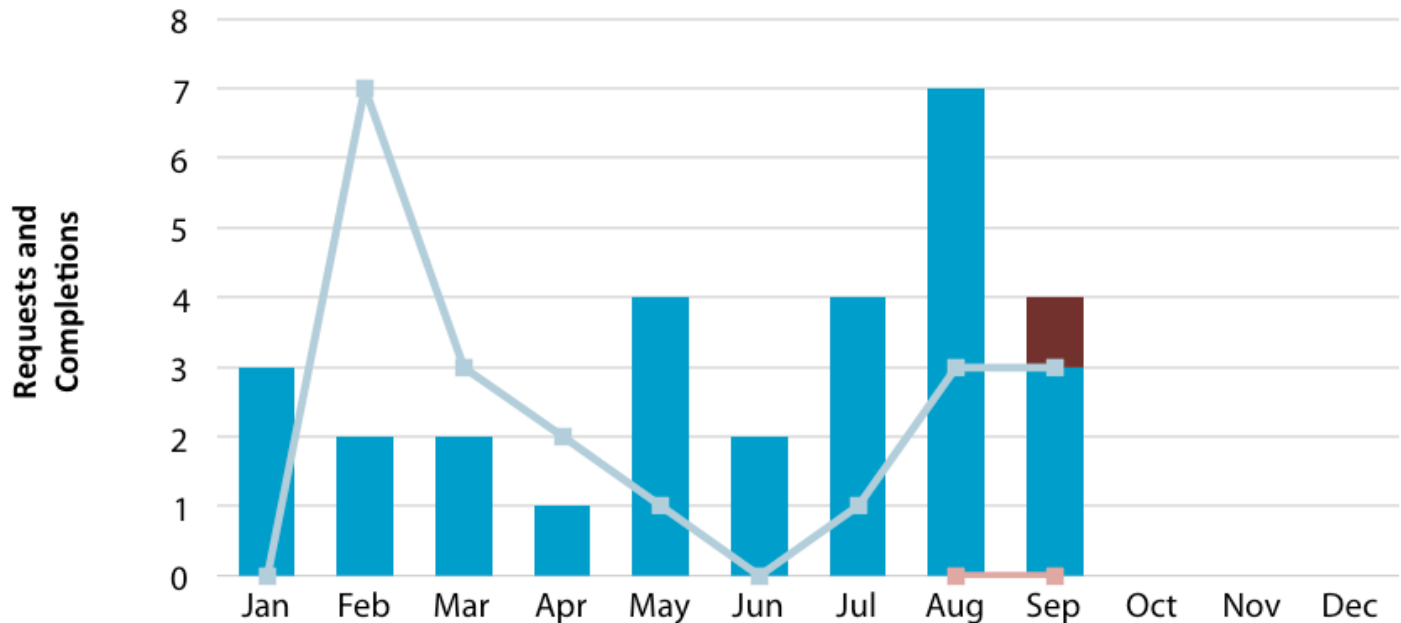
# ARIN's IPv4 Countdown Plan

- Phase 3: 2 /8 Equivalents Left
  - **Examine process changes implemented in phase 2 and adjust as necessary**
- Phase 4: 1 /8 Equivalent Left
  - **All IPv4 requests team-reviewed and processed on a first in, first out basis**
  - **IPv4 hold period drops to 1 month**

# 2012 8.2 Transfers Requested & Completed



# 2012 8.3 & 8.4 Transfers Requested & Completed



- 8.4 Transfers Requested
- 8.3 Transfers Requested
- 8.3 Transfers Completed
- 8.4 Transfers Completed

# IPv4 Churn

- IPv4 addresses come back into ARIN's free pool 3 ways
  - **Return = voluntary**
  - **Revoke = for cause (usually nonpayment)**
  - **Reclaimed = fraud or business dissolution**
- ~3.5 /8s received back since 2005
  - **/8 equivalent returned to IANA in 2012**



# Current IPv4 Inventory



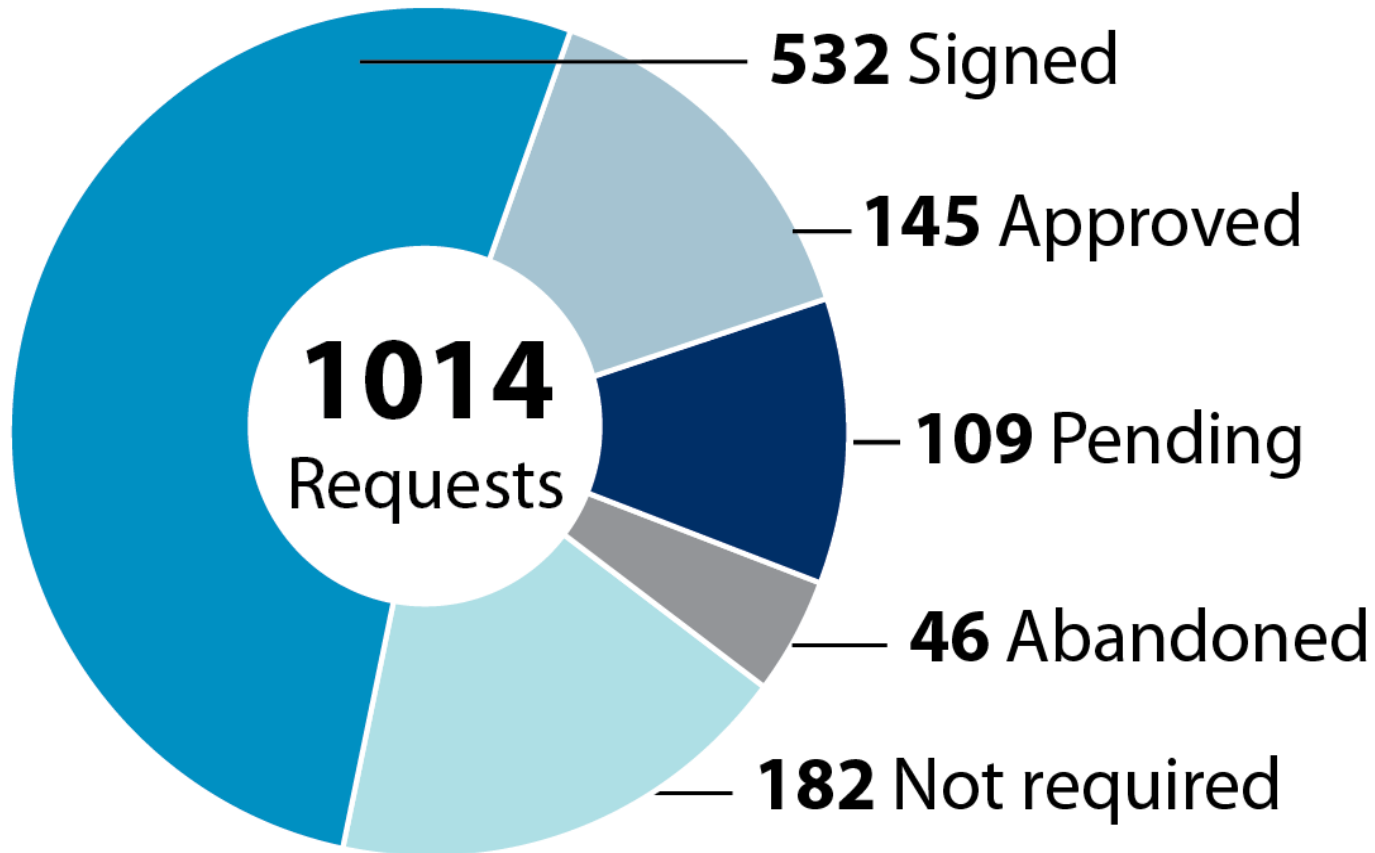
- **2.82 /8 equivalents** in the pool of “**available addresses**”
- **4.10 /16 equivalents** in the “RRH” bucket (RRH = returned, revoked, held)
- **1 /10 reserved**
  - For NRPM 4.10 “Dedicated IPv4 block to facilitate IPv6 Deployment”

# Recovered Resources\*

Year	IPv4 blocks (/16 equivalents)	ASNs
2007	101.2 (85% returns)	1552 (12% returns)
2008	178.6 (87% returns)	704 (28% returns)
2009	133.10 (86% returns)	462 (40% returns)
2010	44.5 (49% returns)	1446 (32% returns)
2011	284.4 (96% returns)	365 (39% returns)
2012	5.64 (45% returns)	666 (43% returns)

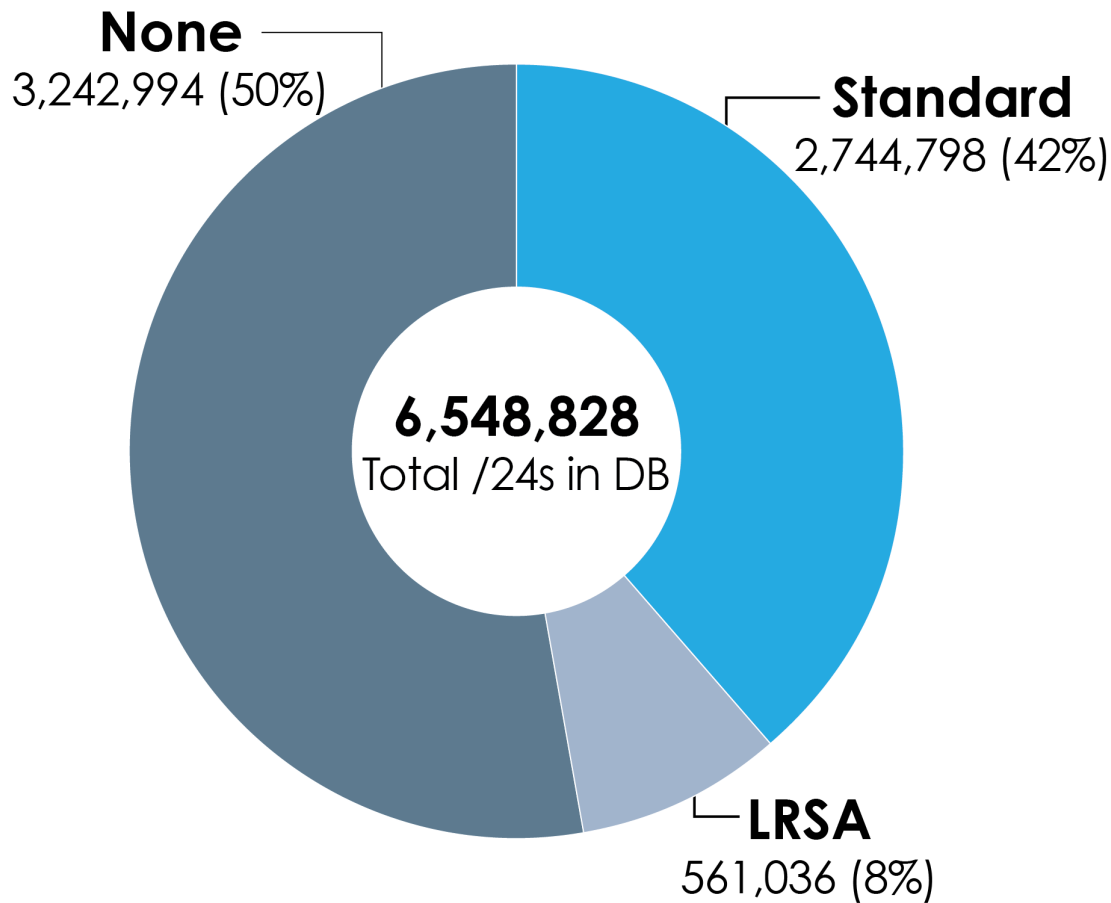
\*Returned/Revoked/Reclaimed as of Sept 30, 2012

## Legacy RSA requests as of Sept 2012

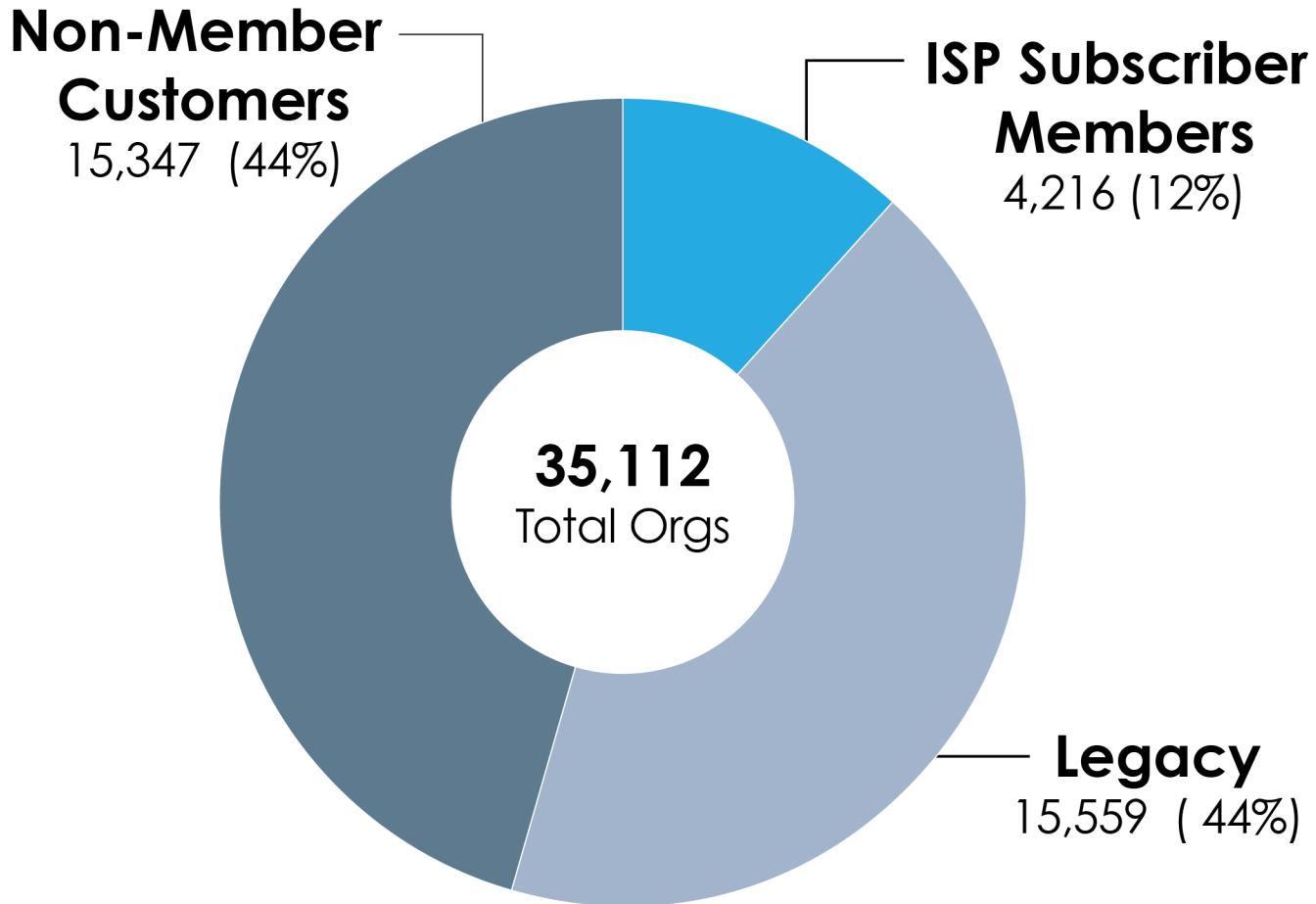


# IPv4 RSA Coverage

/24s Covered Under RSA, LRSA, or no RSA



# Total Organizations Served by ARIN





# IPv4 vs IPv6 Subscribers

