



Registration Services

Department

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RSD Team



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RSD Core Functions



- **IPv4, IPv6, and ASN** requests
- Transfer requests and related services
 - **STLS, transfer pre-approvals**
- Database Record Maintenance
 - **Org IDs, POC handles, reassignments, etc.**
- Customer support
 - **Ask ARIN**
 - **Telephone helpdesk (60 hours per week)**
 - **hostmaster@arin.net email**

RSD Support Functions



- Policy development & implementation
 - **Staff assessments, implementation plans, etc.**
- Software development
 - **Requirements, testing**
- Communications
 - **Guidelines, documentation, announcements, ACSP implementation, etc.**
- Outreach
 - **ARIN On The Road, trade shows, presentations, etc.**
- Statistics and database analysis
 - **Monthly stats, community requests for data, etc.**

Current Focus



- IPv4 Depletion Planning
 - **Maintaining 2-day SLA turn around time**
 - **Preparing for first waiting list request**
- 8.3 and 8.4 Transfers
- ARIN On-line
 - **Continue work on enhancements, new requirements, and prioritization**

Changing Dynamics



- IPv4 Depletion
 - *Changes due to Depletion plan/Team Review*
 - *Increased IPv4 request traffic, but less than anticipated*
- New Customer Profile
 - *ISPs directing downstream customers to ARIN for IPv4 addresses*
 - *More education required for newcomers*
- Expected Workload Increase
 - *Will see more legacy holders become active in 8.3 transfers post-depletion*
 - *Increase in vetting and chain of custody workload*
 - *Many 8.3 transfers will be preceded by 8.2 transfers to bring registrations current*

Current IPv4 Inventory



Available inventory:
.24 /8 equivalent



Other inventory:

- **Quarantined space (60 day hold)**
 - ~19 /16 equivalents held in “quarantine” to clear filters (returned and revoked space)
- **Reserved space**
 - 64 /16s (1 /10) for NRPM 4.10 “Dedicated IPv4 block to facilitate IPv6 Deployment”
 - 218 /24s remaining in the /16 for NRPM 4.4 “Micro-allocation”
 - ~8 /16 equivalents needing further research (reclaimed space that needs further chain of custody research)



REMAINING IPV4 INVENTORY	
Discrete Block Size (CIDR)	Number of Blocks Available
/11	1
/12	1
/14	1
/15	1
/16	1
/17	1
/18	2
/19	1
/20	3
/21	39
/22	5
/23	198
/24	610

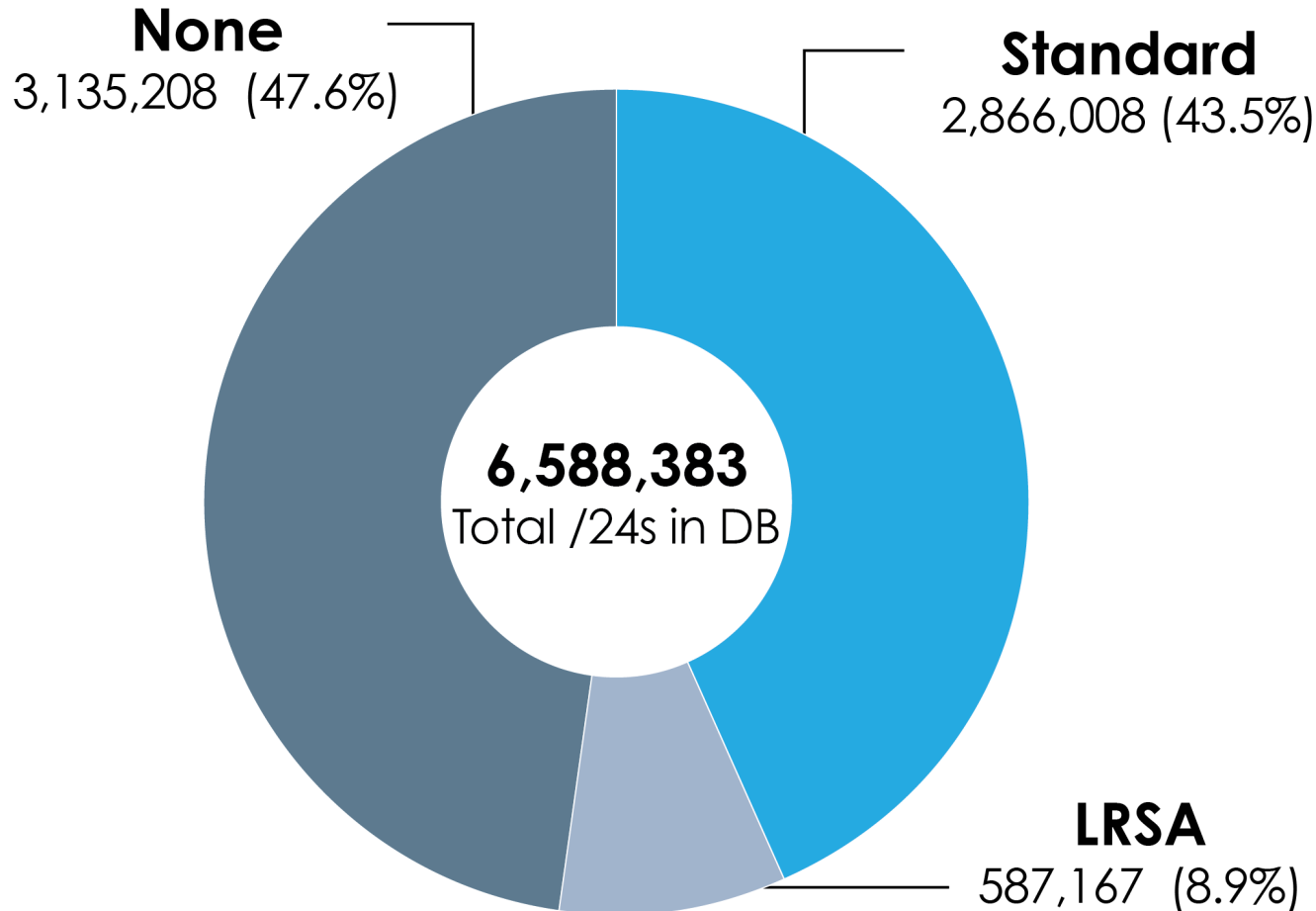
Block Size Distribution of ARIN's Remaining IPv4 Inventory

*https://www.arin.net/resources/request/ipv4_countdown.html

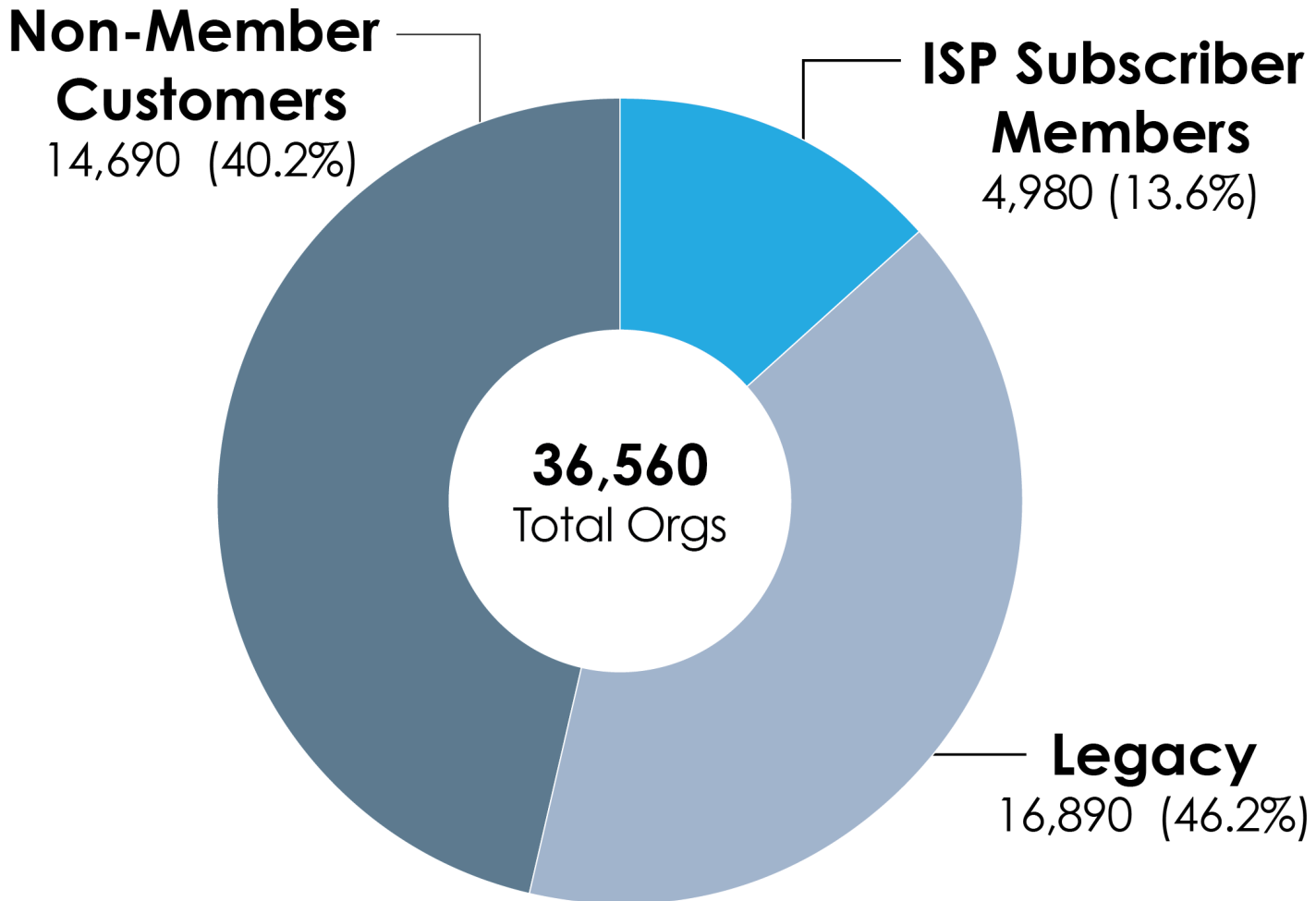
IPv4 RSA Coverage



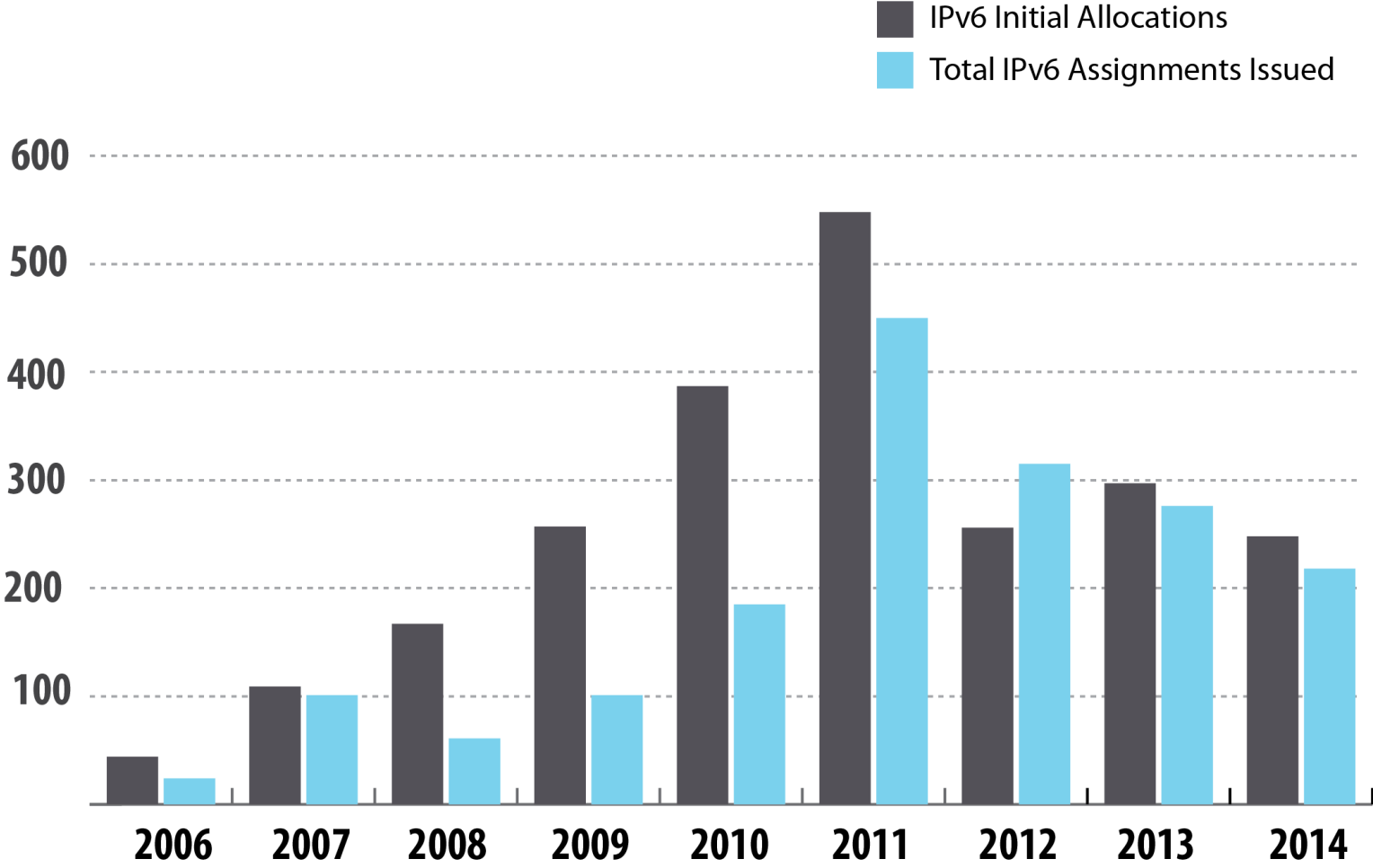
/24s Covered Under RSA, LRSA, or no RSA



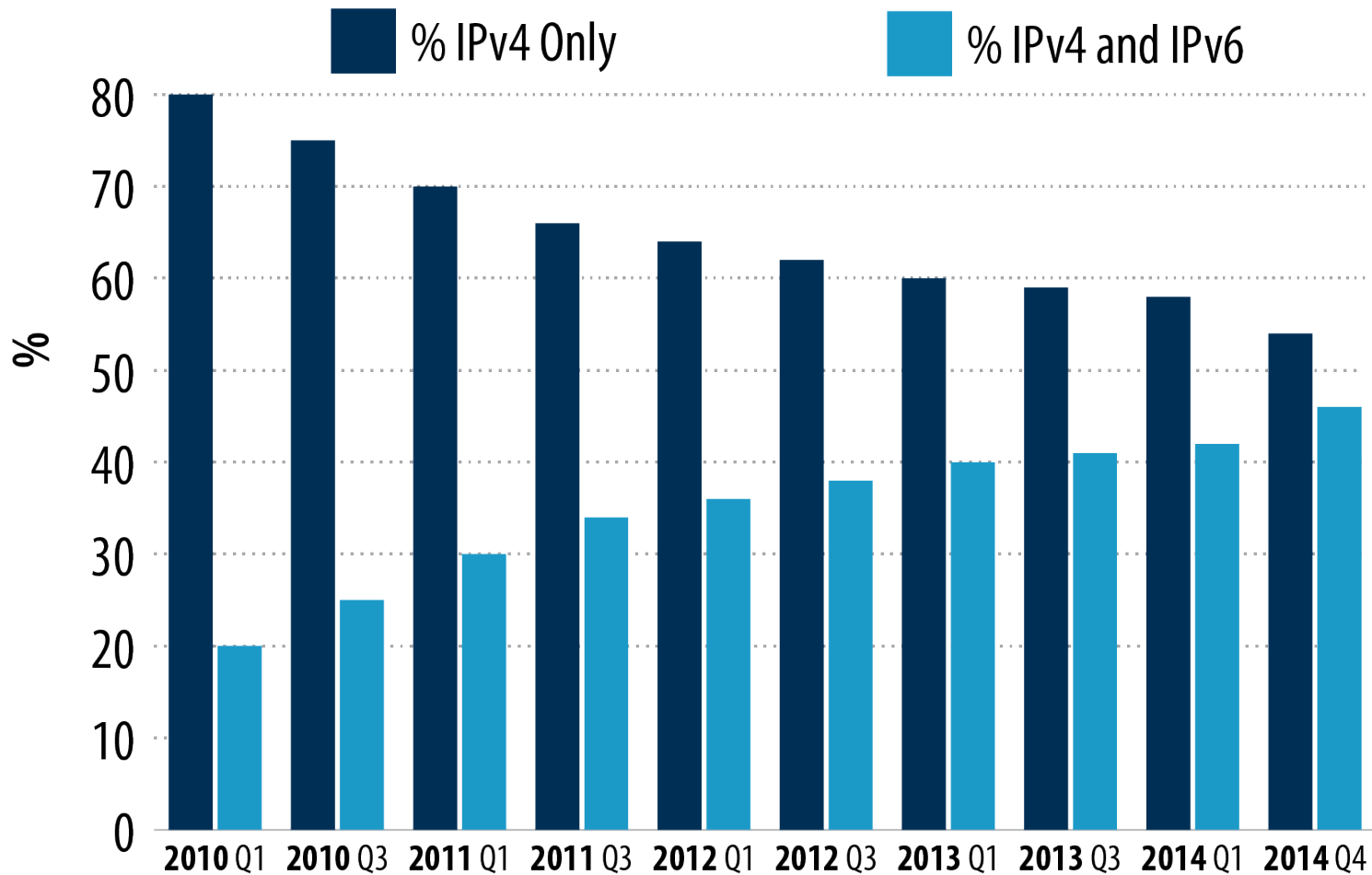
Total Organizations Served by ARIN



IPv6 Space Issued



ISP Members with IPv4 and IPv6



~5,000 subscriber members as of April 1, 2015

Transfers



- Inter-RIR transfers
 - **63 from ARIN to APNIC region to date**
 - **Transfers from ARIN to RIPE region to begin soon**
- 65 transfers approved (all types combined) in March 2015 (more than any other month in ARIN history)
- Future Transfers
 - **RIPE experienced large sustained spike in transfer requests following depletion**
 - **ARIN anticipates significant increase in transfers**

<https://www.arin.net/knowledge/statistics/transfers.html>

Telephone Helpdesk



- Phones staffed **7am to 7pm ET**
- Average # of calls per month: **750**
- Most Common Call Topics
 - **Point of contact validation**
 - **Request status**
 - **ARIN Online use**
 - **Contact updates**



Questions?

