ARIN 36 ⚜ MONTRÉAL

8-9 OCT 2015

Registration Services
Richard Jimmerson

RSD Team

Transfer Services Manager

Cathy Clements

Resource Services Manager

Lisa Liedel

Technical Services Manager

Jon Worley

Sr. Resource Analysts

Eddie Diego

Mike Pappano

Resource Analysts

Misuk Kwon

Doreen Marraffa

James Ricewick

Jonathan Roberts
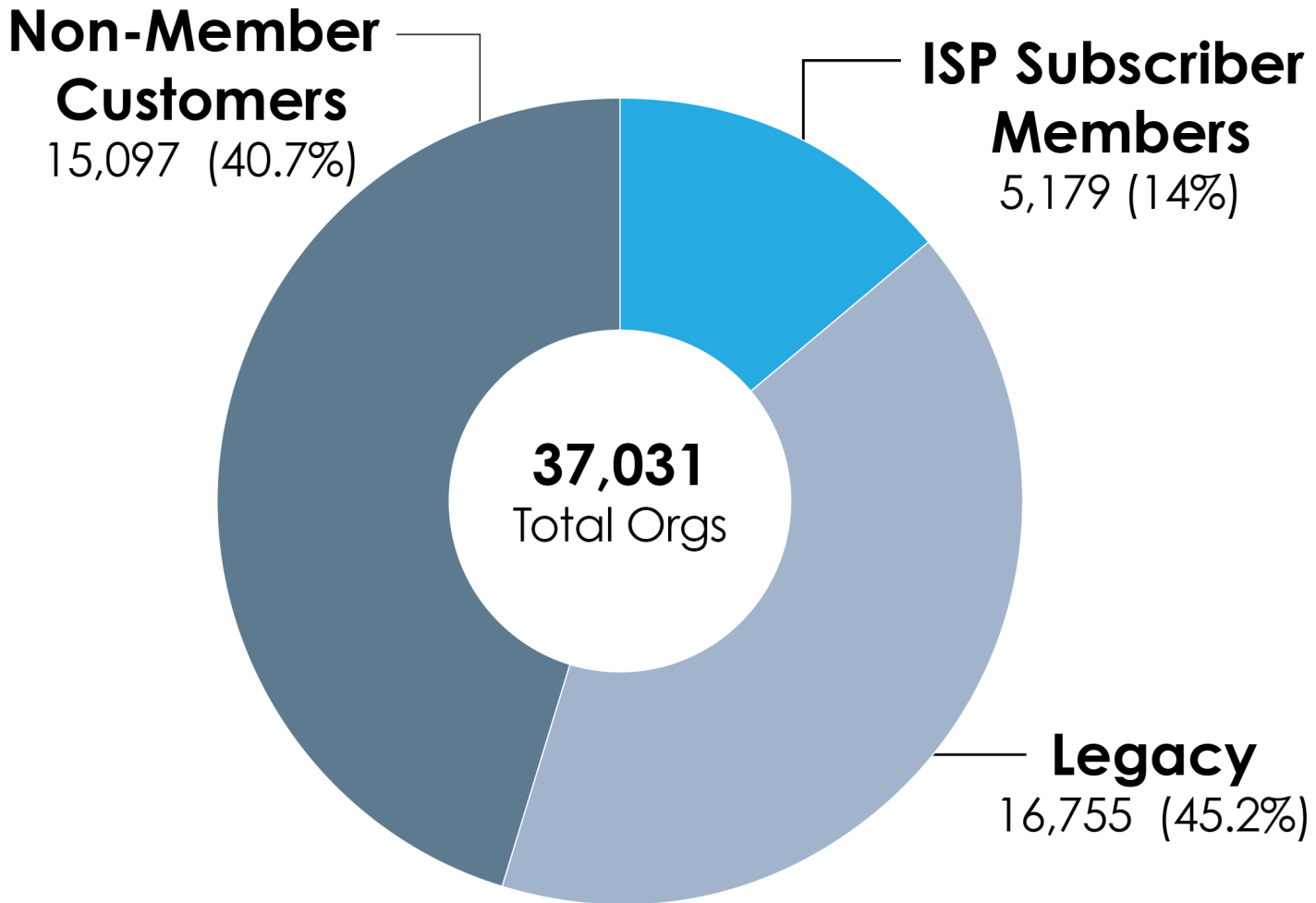
Shawn Sullivan

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
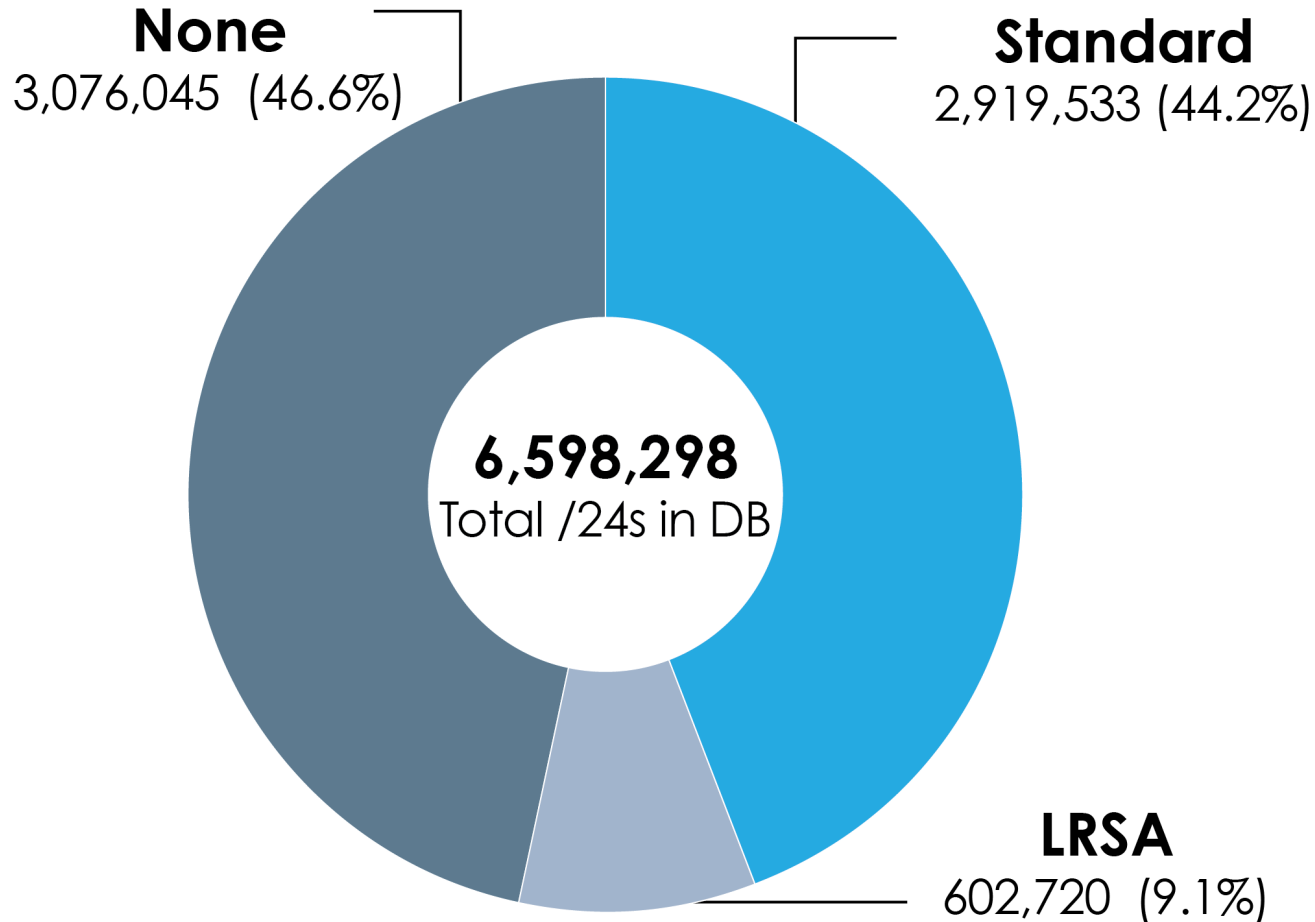 - **Monthly stats, community requests for data, etc.**

Total Organizations Served by ARIN

Non-Member Customers
15,097 (40.7%)

ISP Subscriber Members
5,179 (14%)

37,031
Total Orgs

Legacy
16,755 (45.2%)

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IPv4 RSA Coverage

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

None
3,076,045 (46.6%)

Standard
2,919,533 (44.2%)

6,598,298
Total /24s in DB

LRSA
602,720 (9.1%)

IPv4 RSA Coverage Over Time

Period	Standard RSA	Legacy RSA	NO RSA
2012 Q2	38.7%	8.6%	52.7%
2012 Q4	41.9%	8.6%	49.5%
2015 Q2	43.5%	8.9%	47.6%
2015 Q4	44.2%	9.1%	46.6%

Changing Dynamics

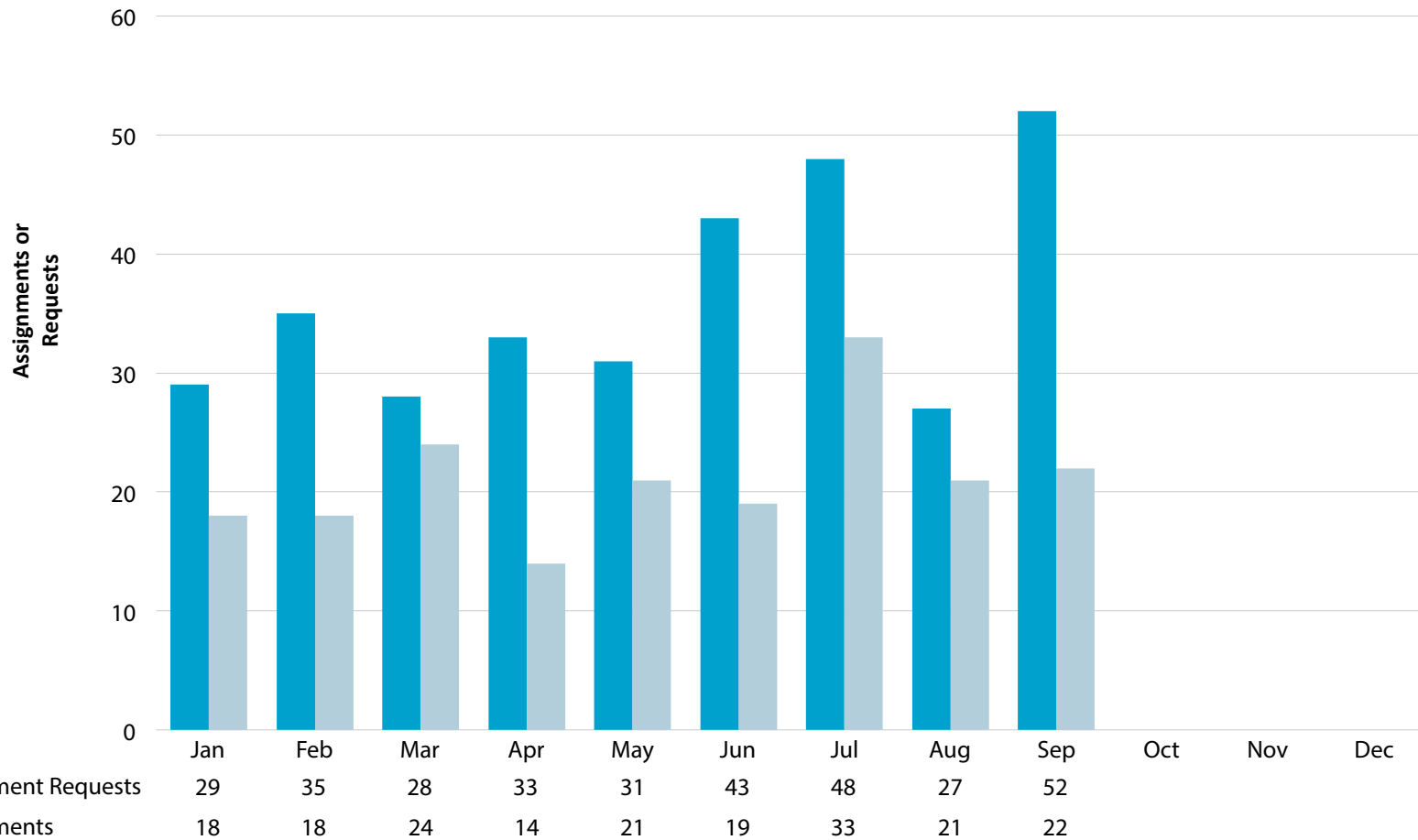- IPv4 Depletion
  - *Request patterns changing (wait list, pre-approvals)*
  - *Increase in records maintenance*

- New Customer Profile
  - *ISPs directing downstream customers to ARIN for IPv4 addresses*
    - *More education required for newcomers*
  - *Legacy IPv4 holders now requesting IPv6*

- Expected Workload Increase
  - *Will see more legacy holders become active with transfers*
    - *Increase in vetting and chain of custody workload (organization recoveries, POC recoveries)*
  - *IPv6 requests*

IPv4 Allocations & Assignments

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
IPv4 Assignments (/24s)	816	2,382	307	339	425	374	473	78	154			
IPv4 Allocations (/24s)	2,660	2,982	3,117	5,117	3,070	5,588	1,362	72	1,023			
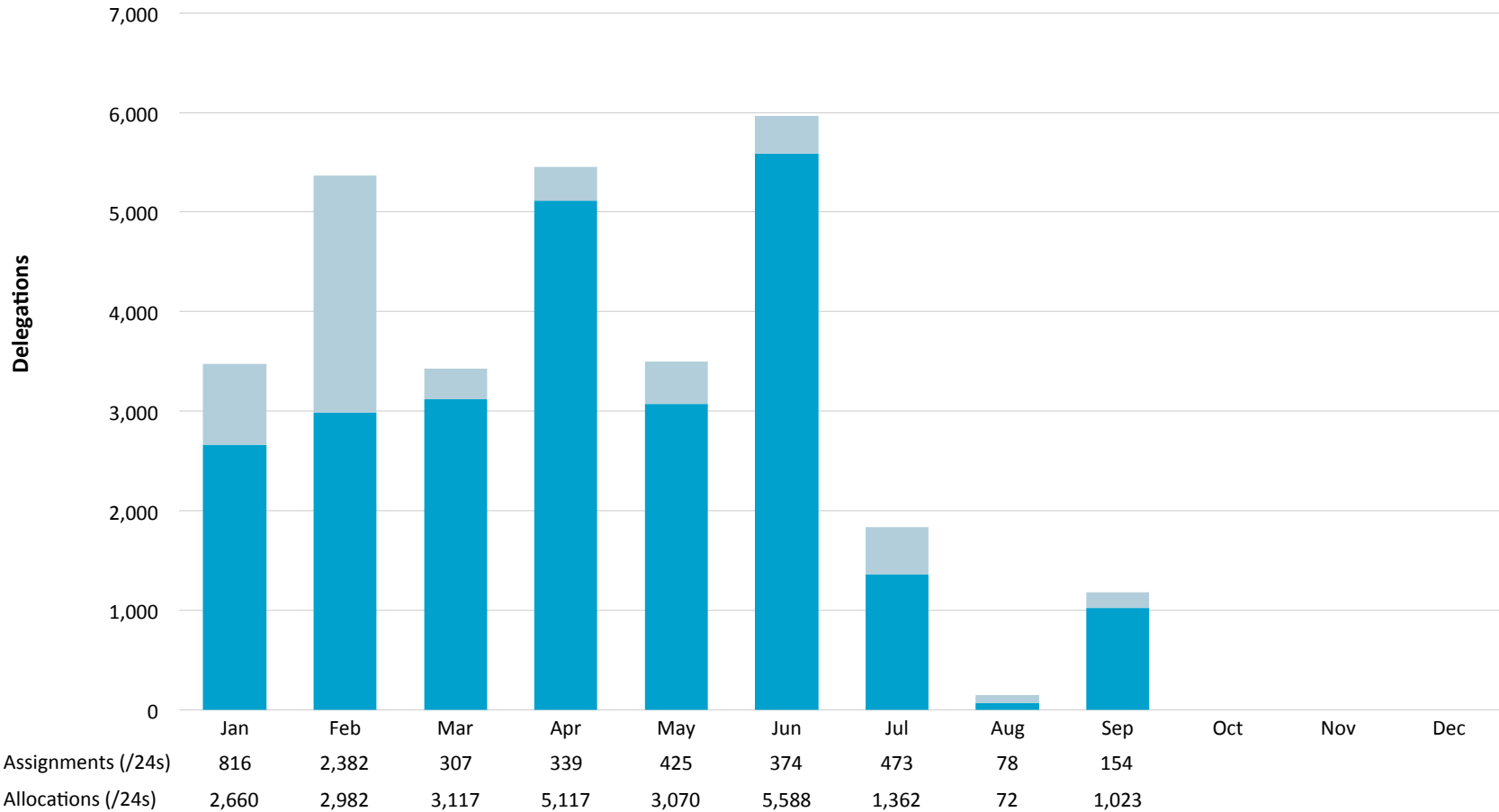
IPv6 Assignment Requests (end-users)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
■ IPv6 Assignment Requests	29	35	28	33	31	43	48	27	52			
■ IPv6 Assignments	18	18	24	14	21	19	33	21	22			

IPv6 Allocation Requests (ISP)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
■ IPv6 Allocation Requests	28	30	23	30	33	55	46	47	60			
■ Initial IPv6 Allocations	21	22	19	16	17	26	41	25	33			
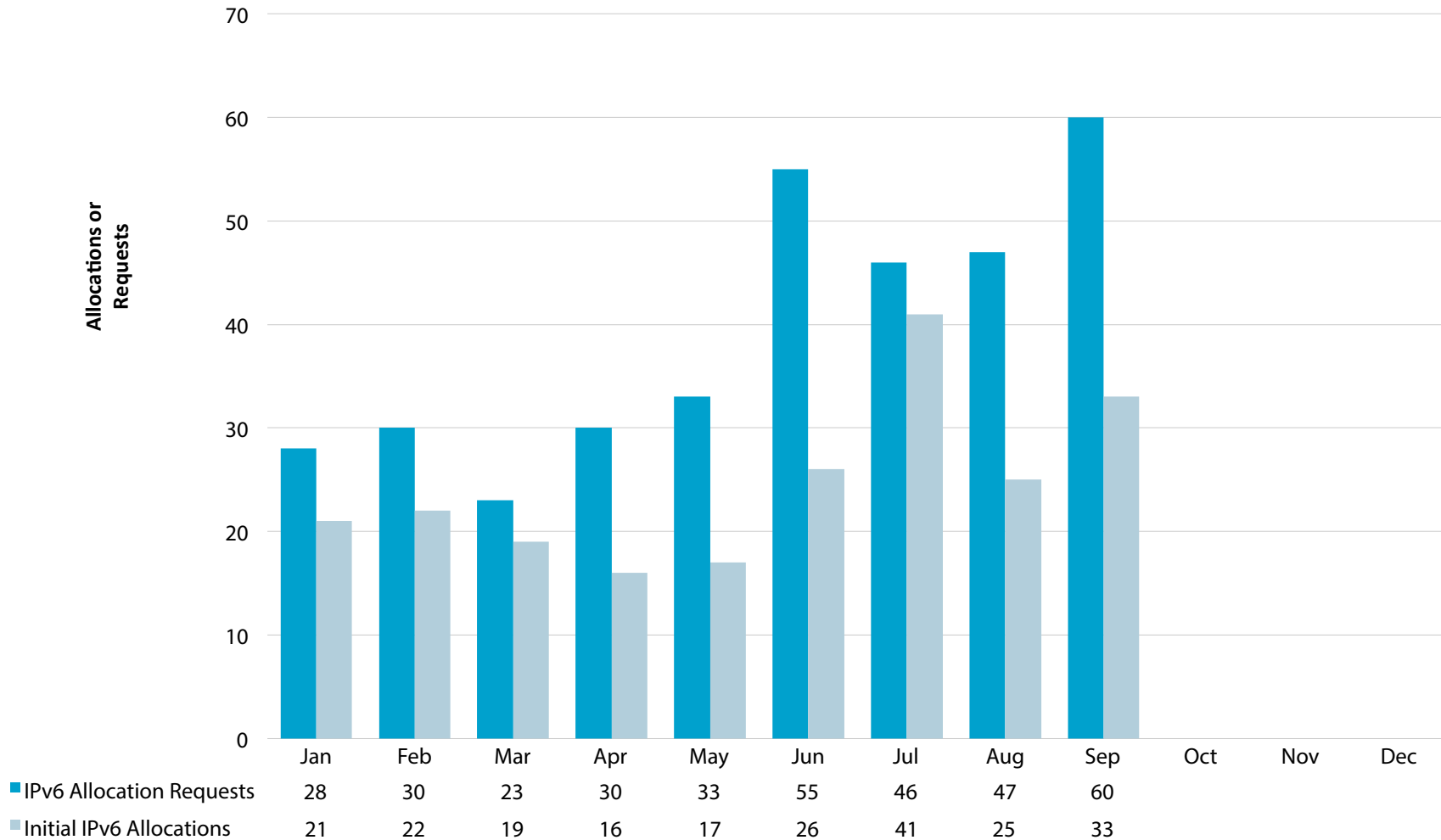
Transfers

- Completed Inter-RIR Transfers (8.4)
  - **83 completed between ARIN & APNIC region**
    - Started in late 2012
    - 2 have been ARIN region recipients
  - **Transfers between ARIN & RIPE region newly started**
- Completed Specified Recipient Transfers (8.3)
  - **2011: 24   2012: 23   2013: 24   2014: 42**
  - **2015 (YTD): 105**
- Transfer related request traffic has nearly doubled in last 2 weeks (post-IPv4 depletion)

Telephone Helpdesk

- Phones staffed: **7am to 7pm ET**
- Average # of calls per month: **700**
- Most Common Call Topics
    - **Point of contact validation**
    - **Request status**
    - **ARIN Online use**
    - **Transfer related matters**