

# Operational Activities and Developments

---

Andrew de la Haye  
RIPE NCC COO  
RIPE 66



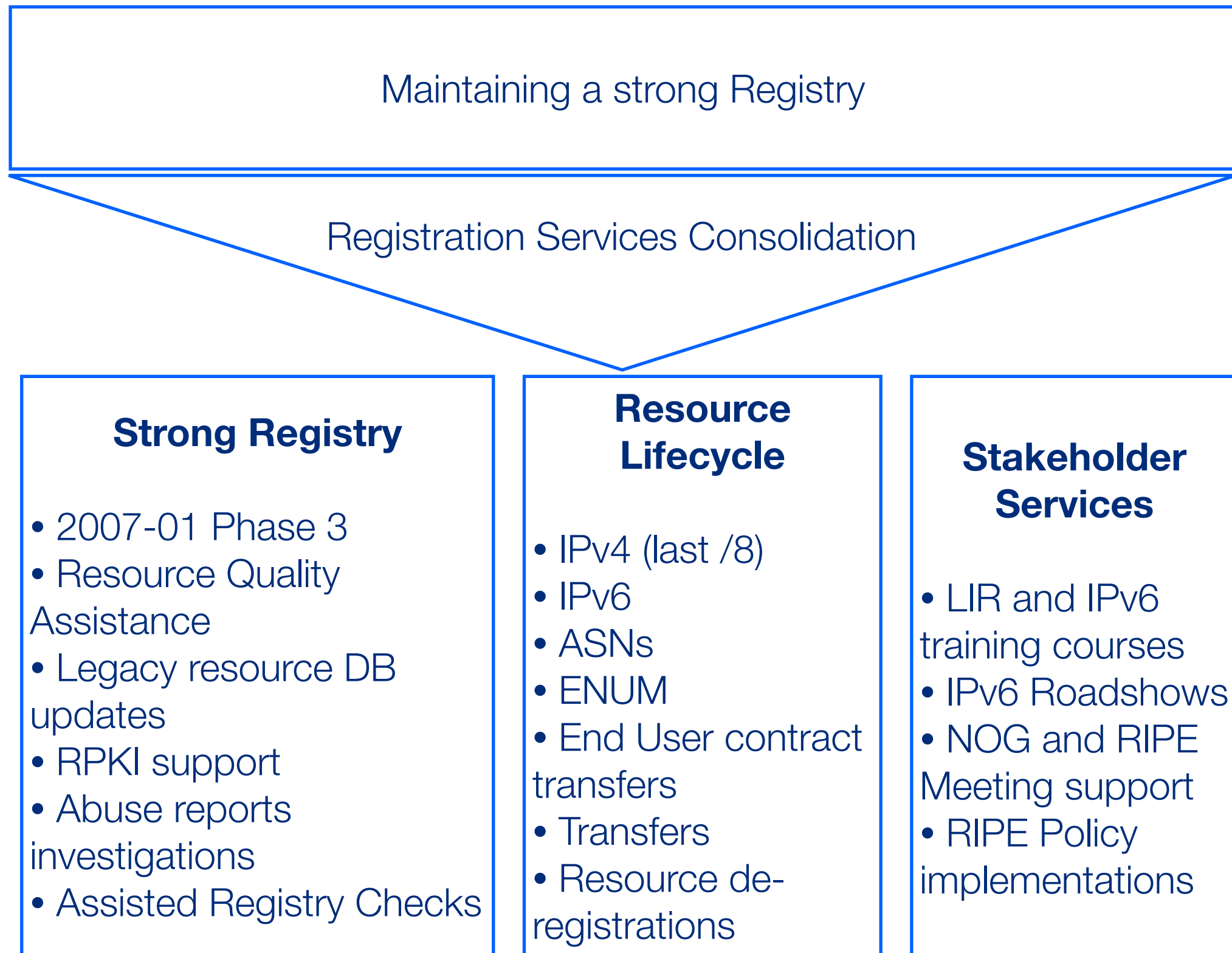
# Operational overview

---

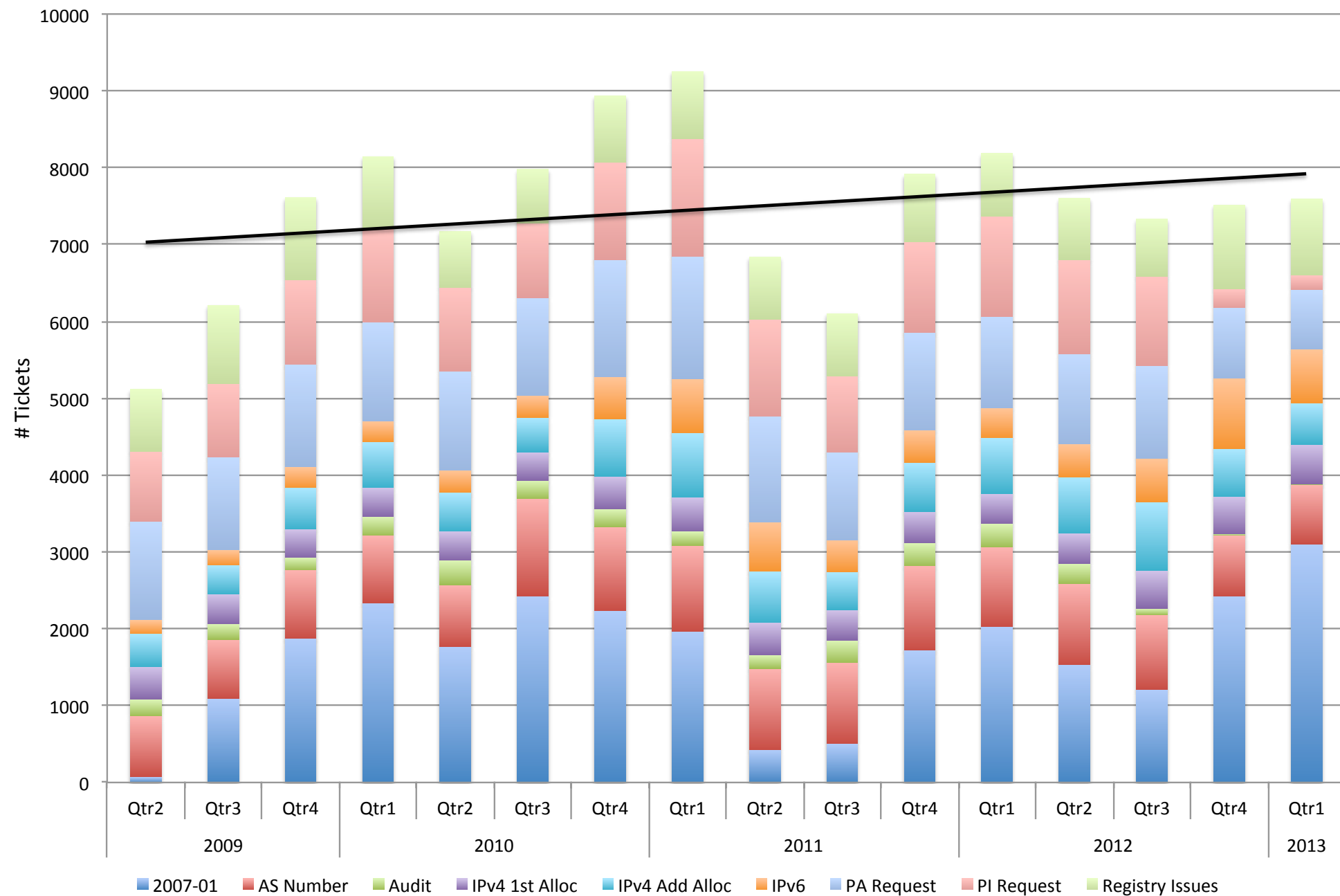
- Continuation and extension of Webinars
- RIPE database improvements
- Implementation of IP analyser and next steps
- Certification enhancements
- Implemented Live-chat

Most changes in Registration Services after IPv4 run-out

# RS Activities



# Registration Services ticket volume

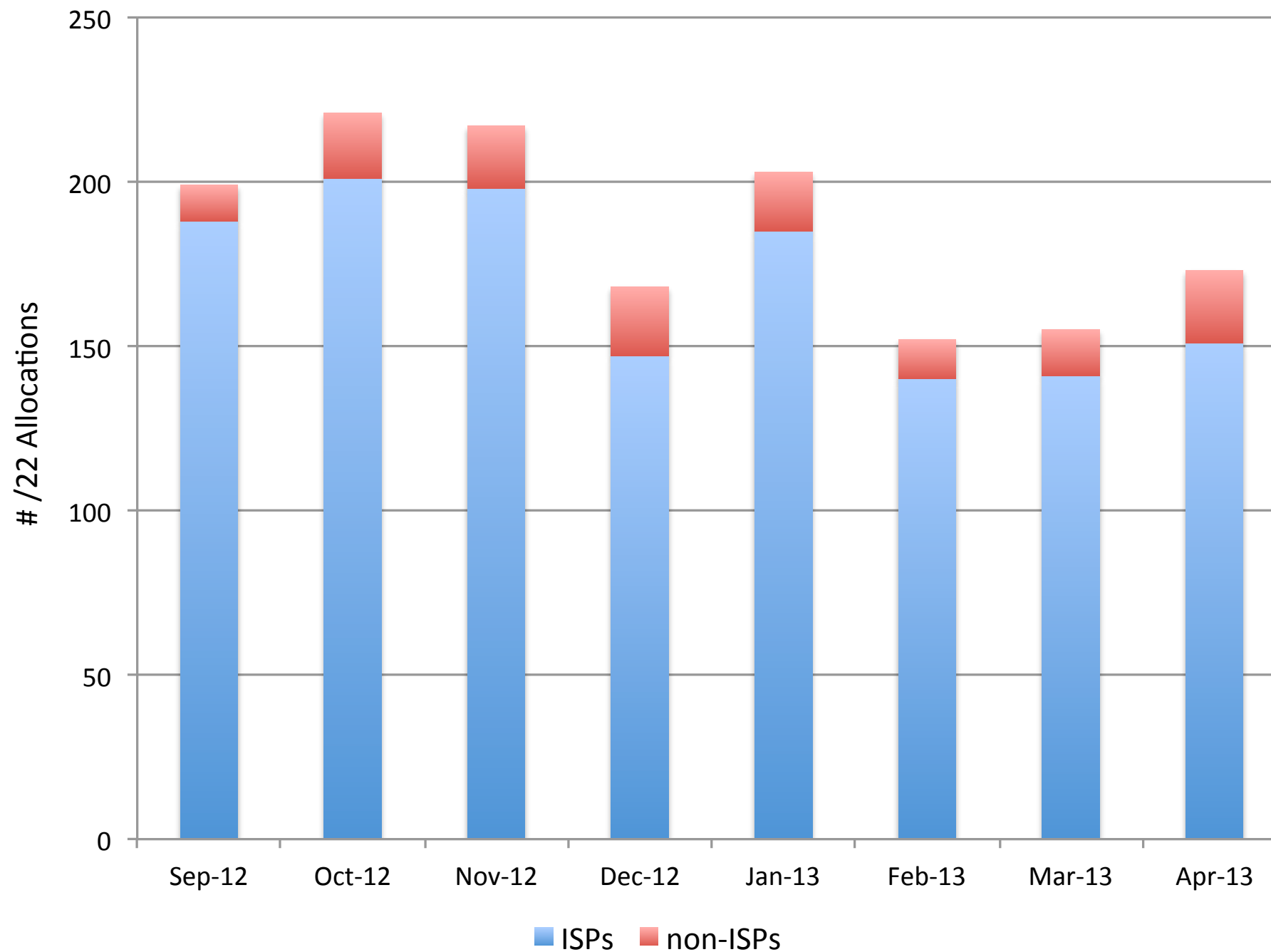


# Last /8 IPv4 Allocation Policy

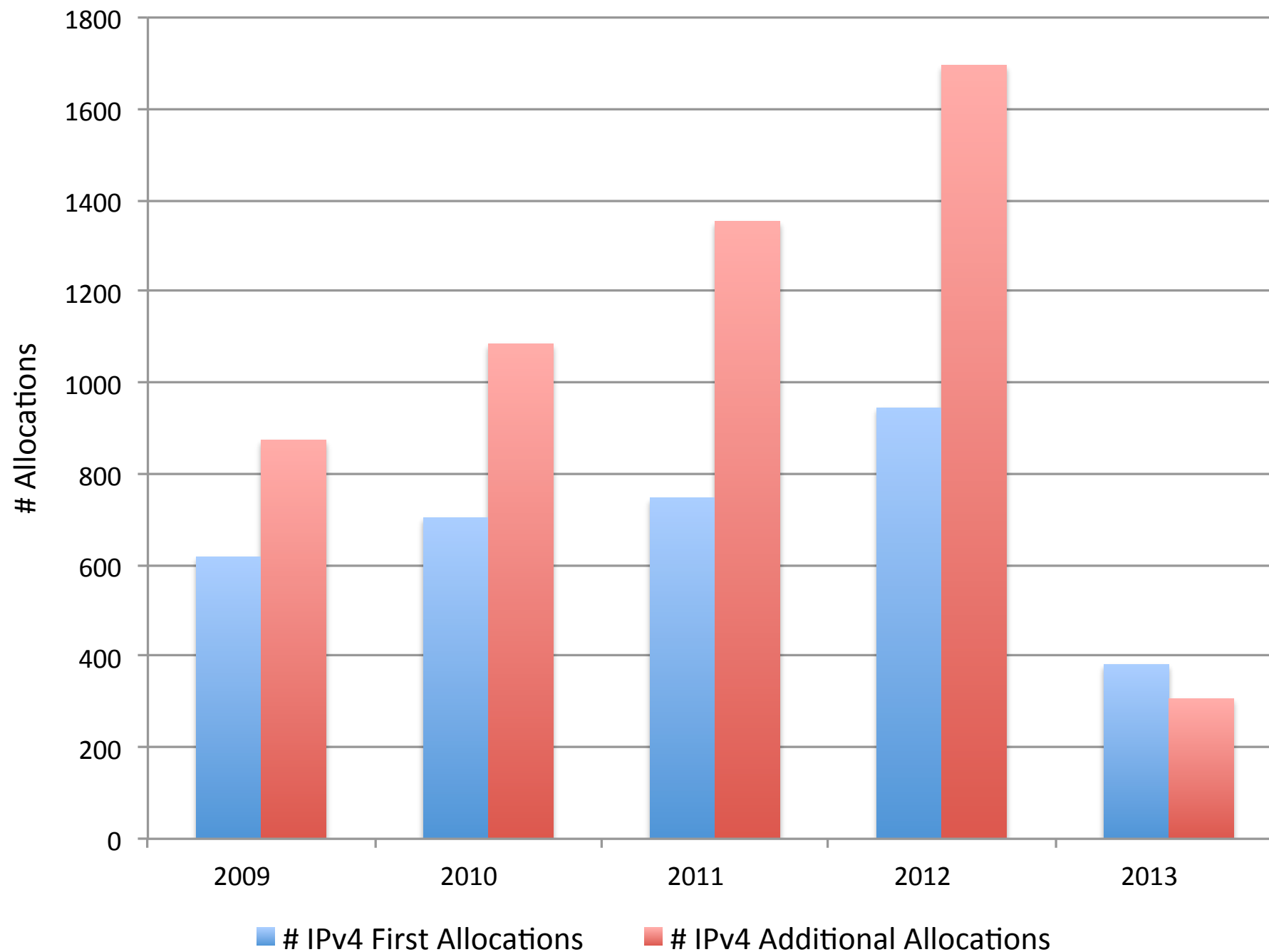
---

- The RIPE NCC reached the last /8 on 14 September 2012
- LIRs can receive **one** /22 (1,024 IPv4 addresses), even if they can justify a larger allocation
  - LIRs must already have an IPv6 allocation from an upstream LIR or the RIPE NCC
  - 1553 /22s issued so far

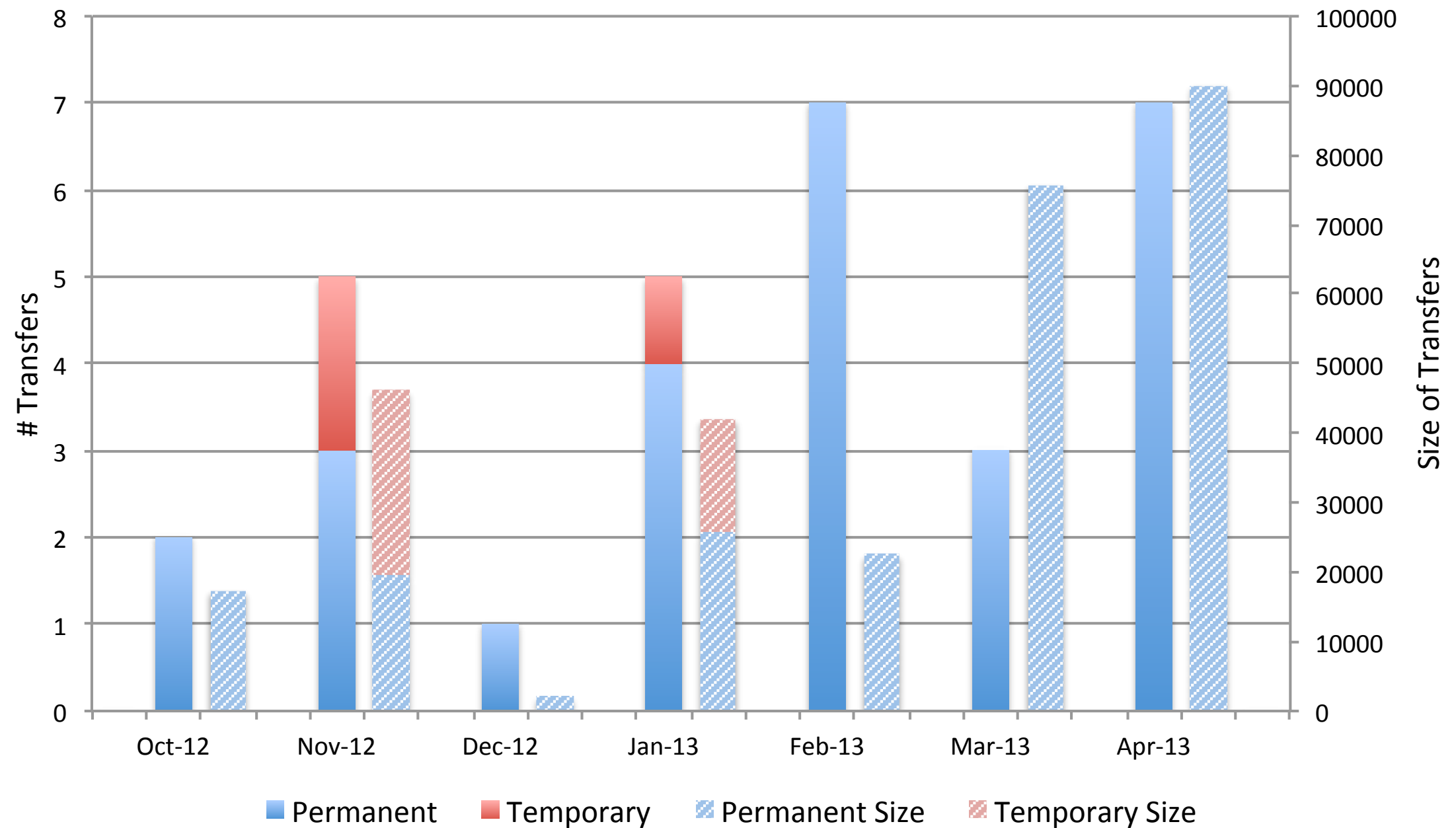
# Allocations from the last /8



# IPv4 Allocation Trend

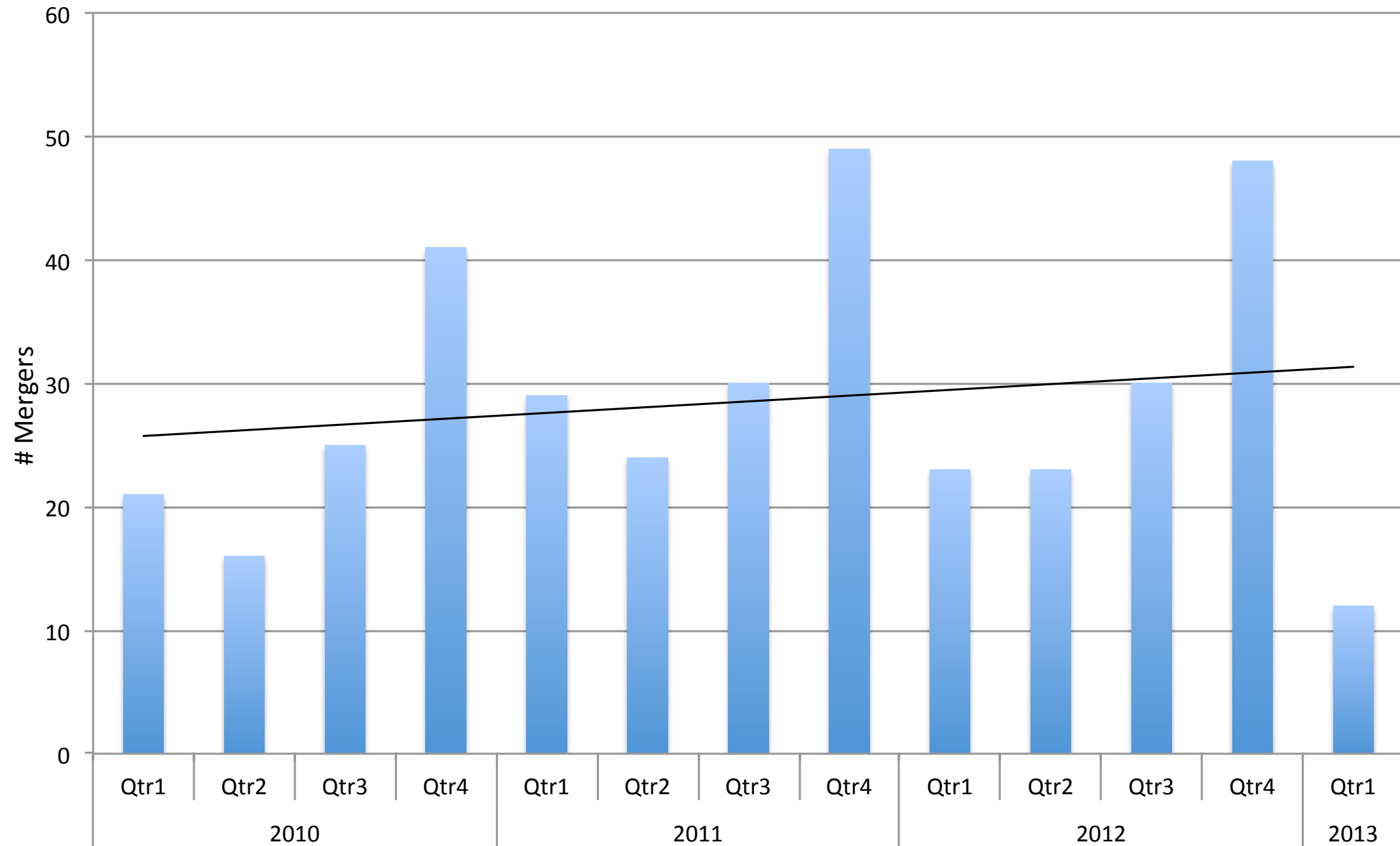


# IPv4 Allocation Transfers

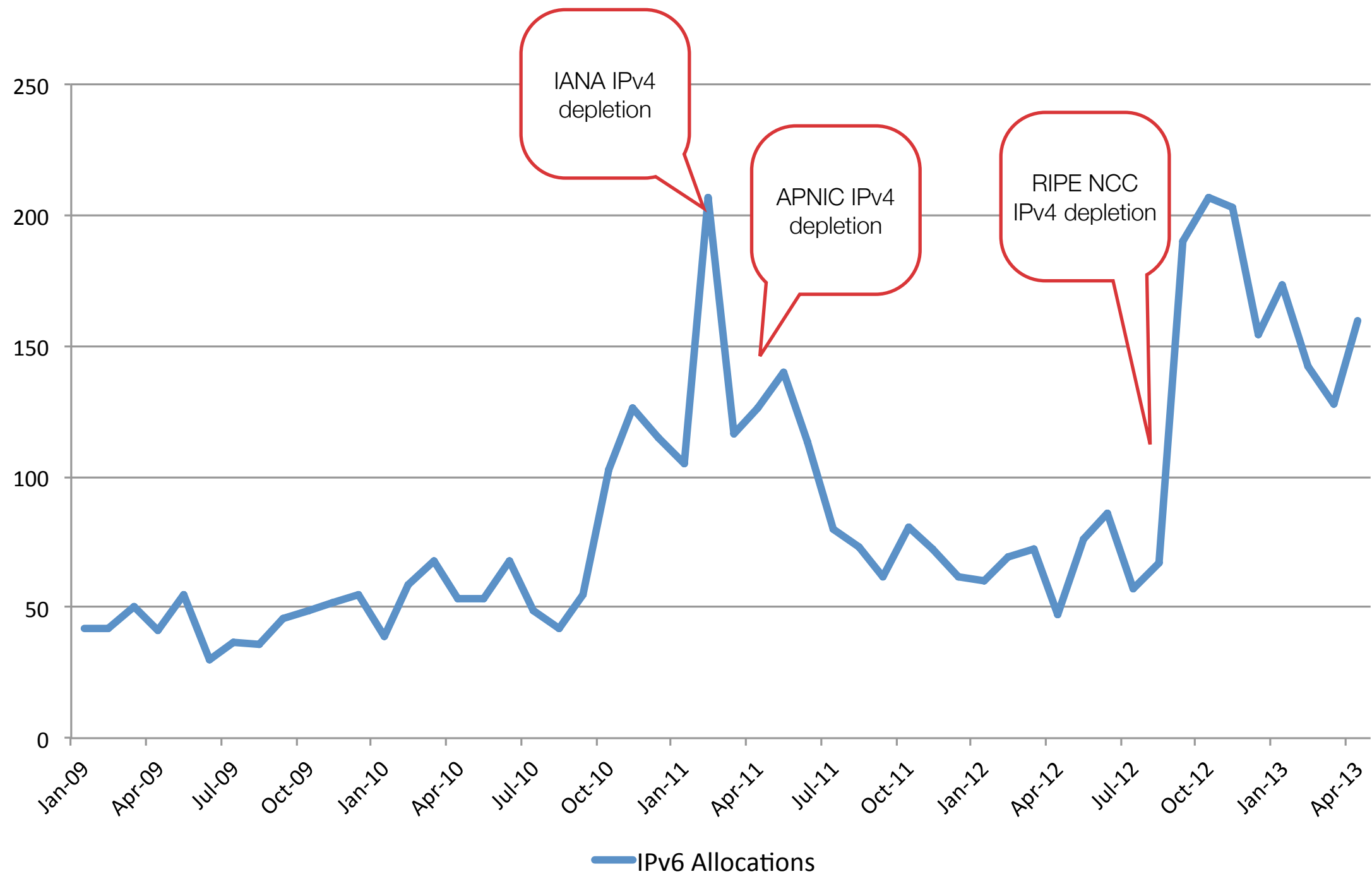




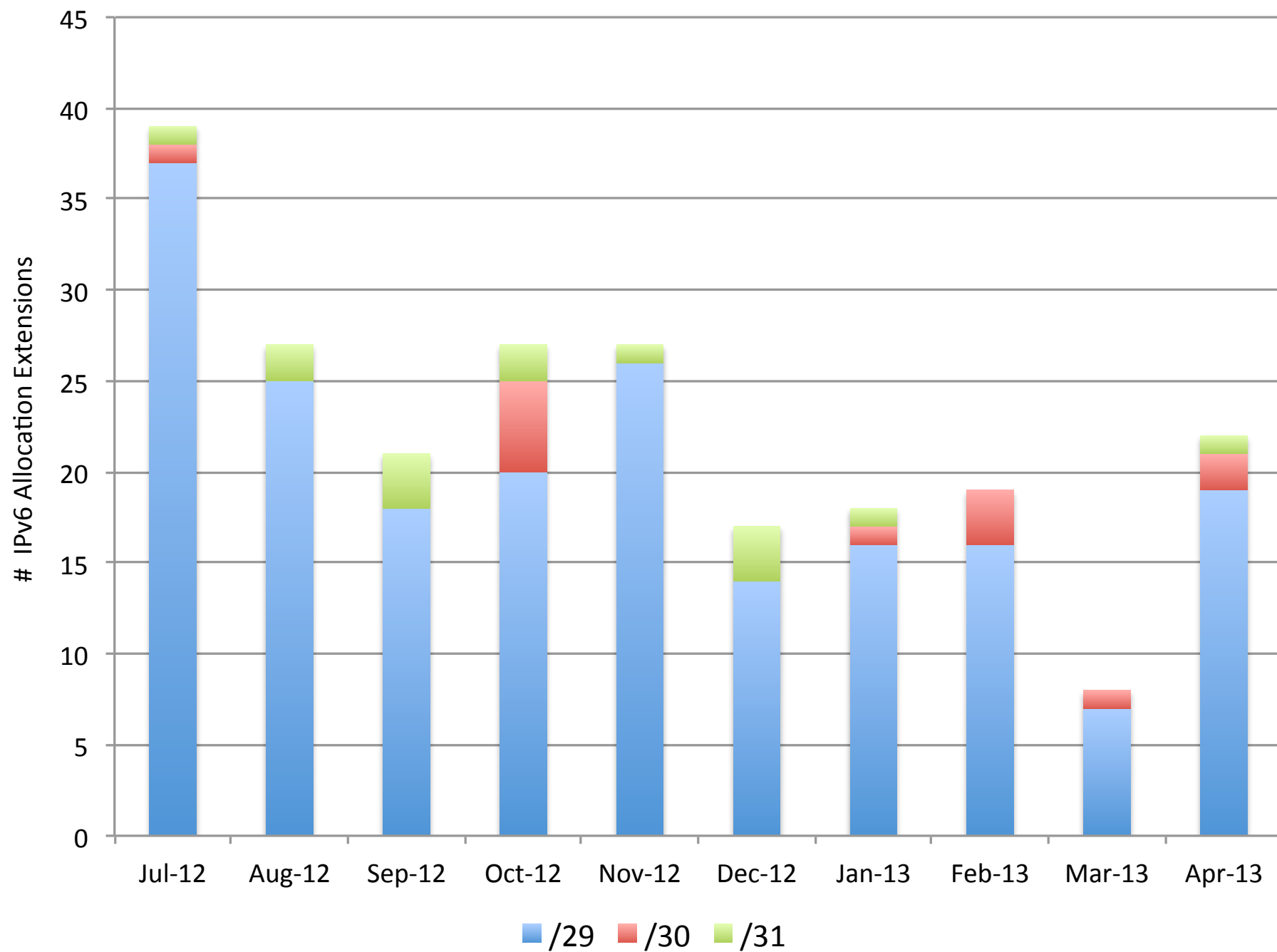
# Mergers Completed



# IPv6 Allocation

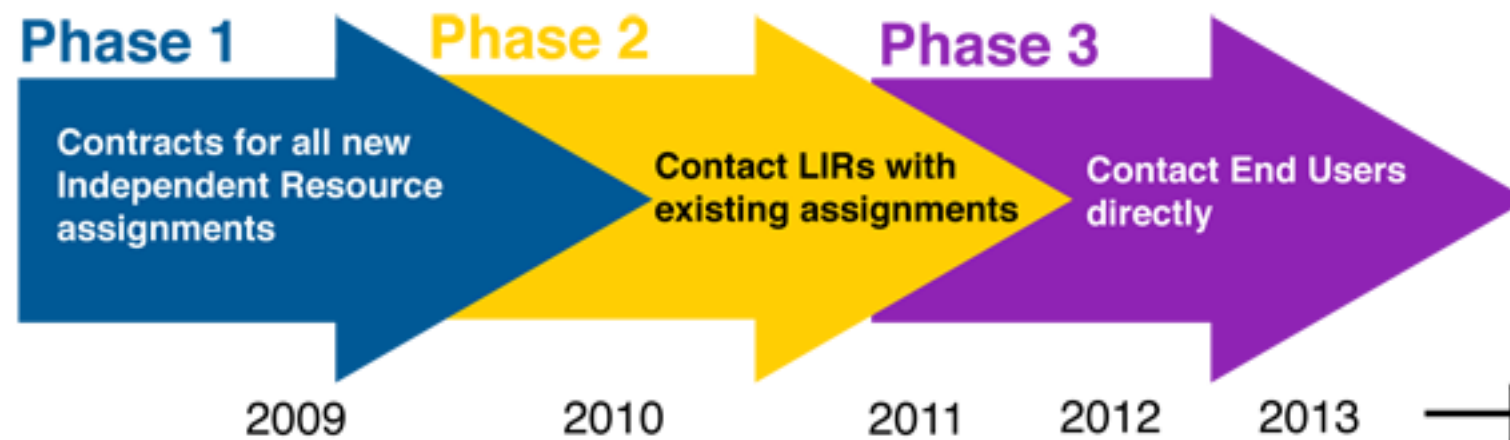


# IPv6 Allocation Extensions



# 2007-01 Update

- Currently in Phase 3: Contacting End User directly

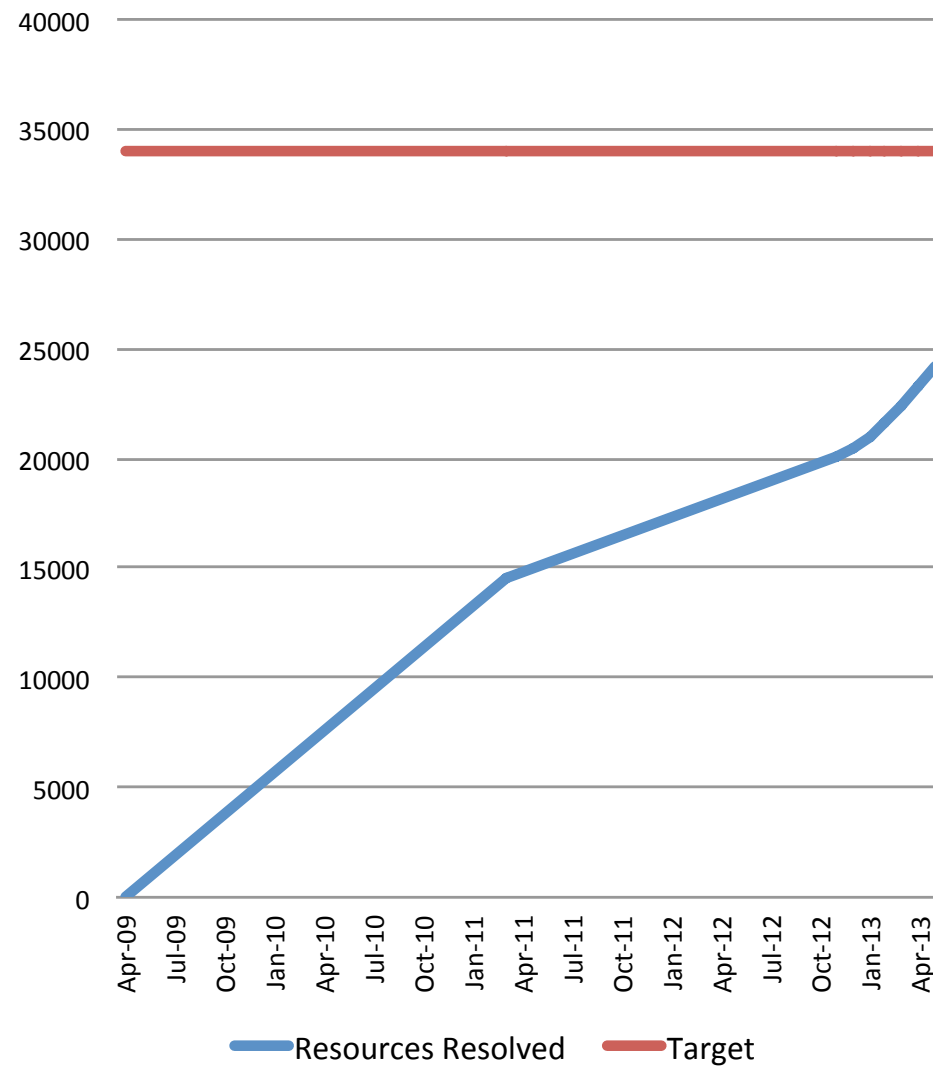


## Challenges:

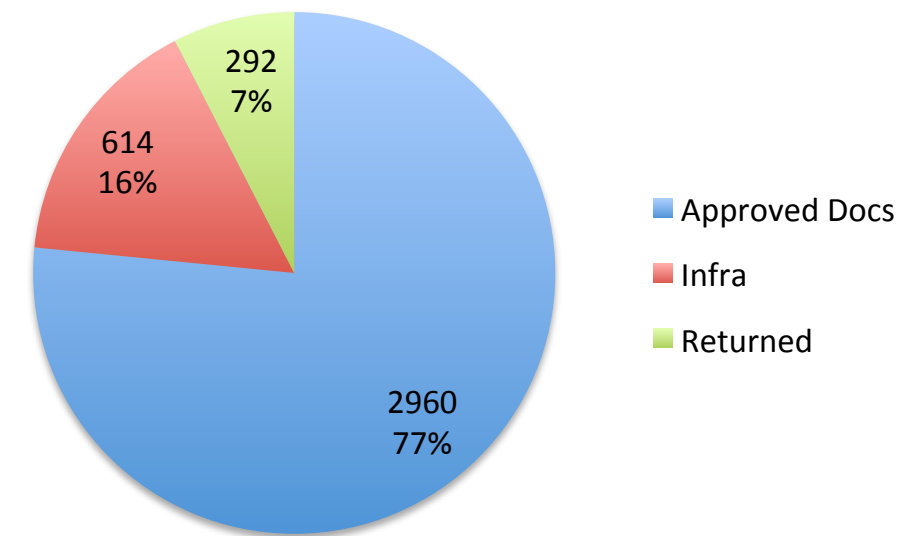
- Lack of familiarity with RIPE Policy and the RIPE NCC
- Identifying legitimate resource holder
- Ensuring continuity of active networks

# 2007-01 Update

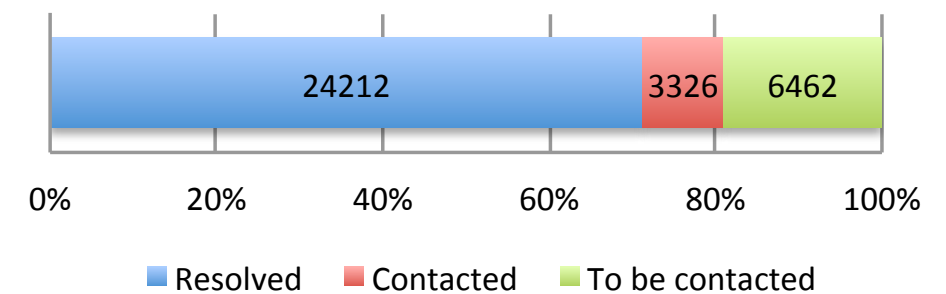
## 2007-01 - Phase 2 & 3



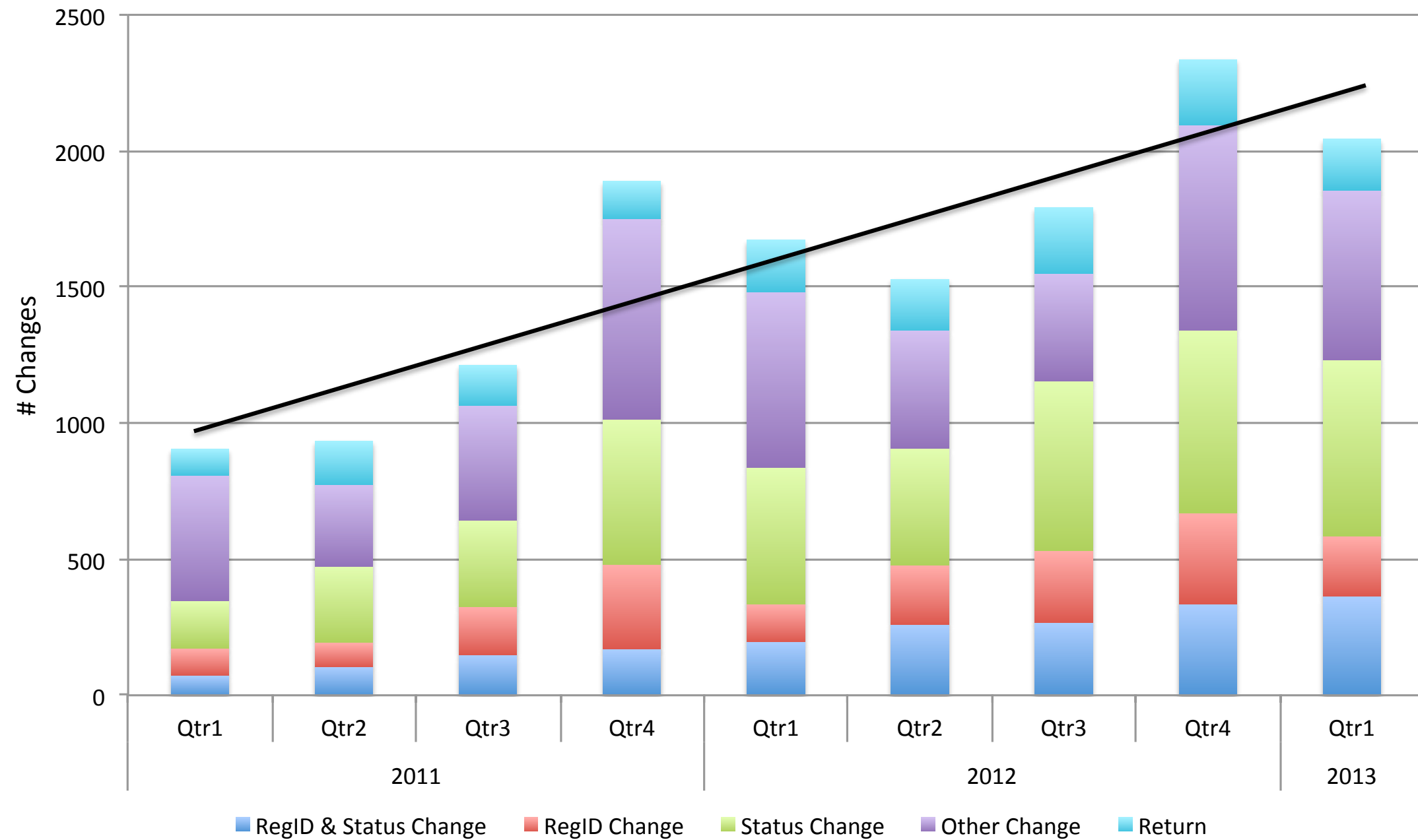
## Results (previous 6 mths)



## Contacted Resource Holders

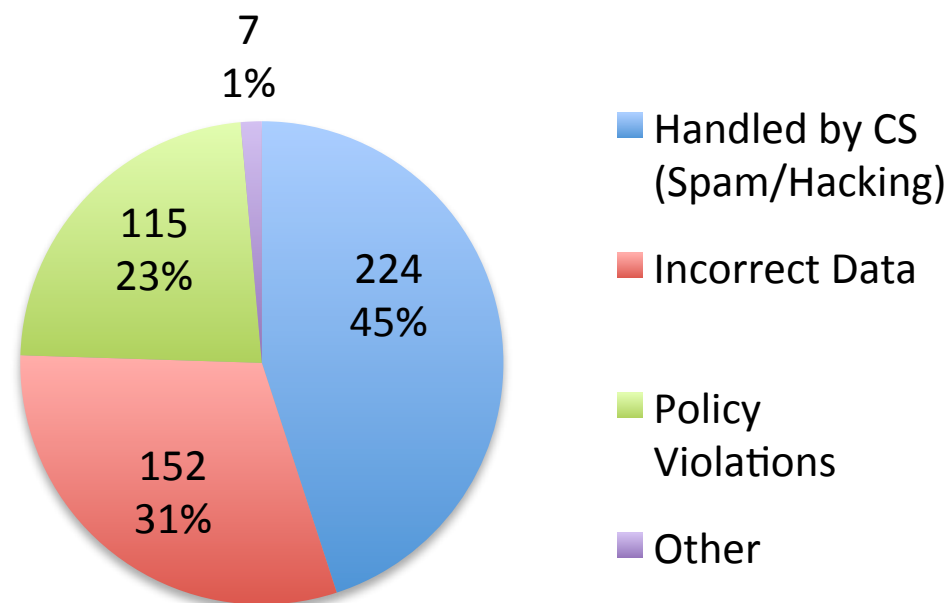


# Independent Resources: Maintenance

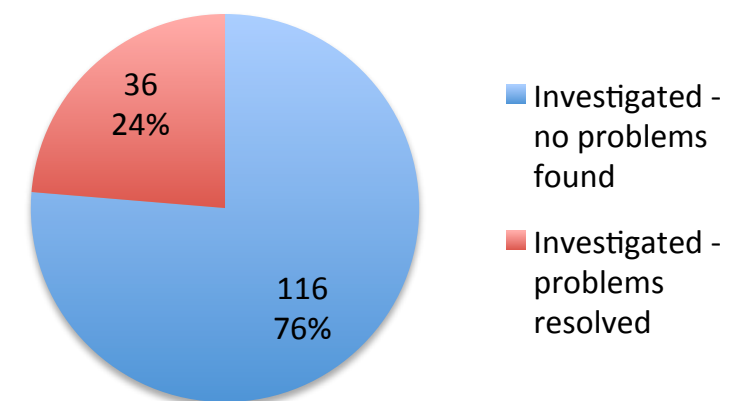


# Abuse Report Handling

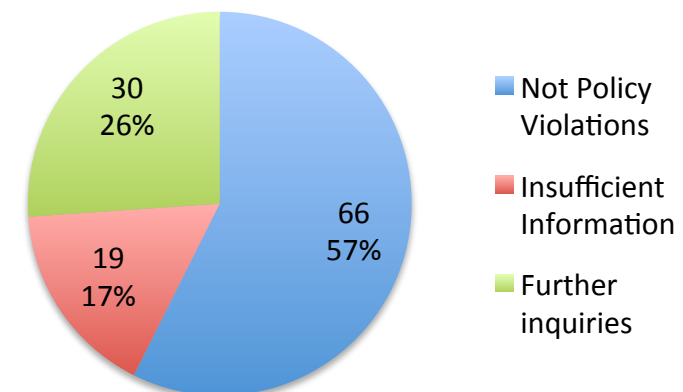
## Breakdown by Category



## Outcomes: Incorrect Data



## Outcomes: Policy Violations



# Membership and Community Feedback (1)

---

- Members and stakeholders survey 2011 has shown demand for means of communication that are alternative to email
  - Improved communication with Customer Services
    - Live chat
  - Improved communication in Registration Services
    - Phone call to every new LIR explaining the process
    - RS deploying live chat for LIRs
      - Policy and resource related questions



# Membership and Community Feedback (2)

---

- High quality RIPE Registry
  - Members and stakeholders survey 2011 the RIPE NCC to *“improve the quality and usefulness of data in the RIPE Database”*
    - Resource Data Quality (RDQ) project; Inter RIR consistency project; 2007-01; Abuse-c
  - Exhaustion of the RIPE NCC regular IPv4 pool
    - Number of contact moments between LIRs and the RIPE NCC will diminish (e.g. additional allocation requests), therefore potential for the registry data quality to deteriorate

# Assisted Registry Check

---

- The existing Audit procedure is seen as ‘cumbersome’ and time consuming for the LIR
- In order to maintain a strong registry and align with the members feedback, we are evolving our services
- Assisted Registry Check
  - Maintain the periodic contact moments between LIRs and the RIPE NCC
  - Reduce workload for LIRs
  - RIPE NCC provides a report highlighting our observations and recommendations
    - Overview of registered information (e.g. contact details)
    - Overview of Internet Number Resource consistency (e.g. overlapping assignments)
    - Overview of rDNS and route-objects consistency (e.g. check lame reverse delegations and routing registry vs BGP announcements)
  - Assist LIRs with improving the data accuracy

# Questions?

