IPv6 Update

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ICANN Meeting, Prague
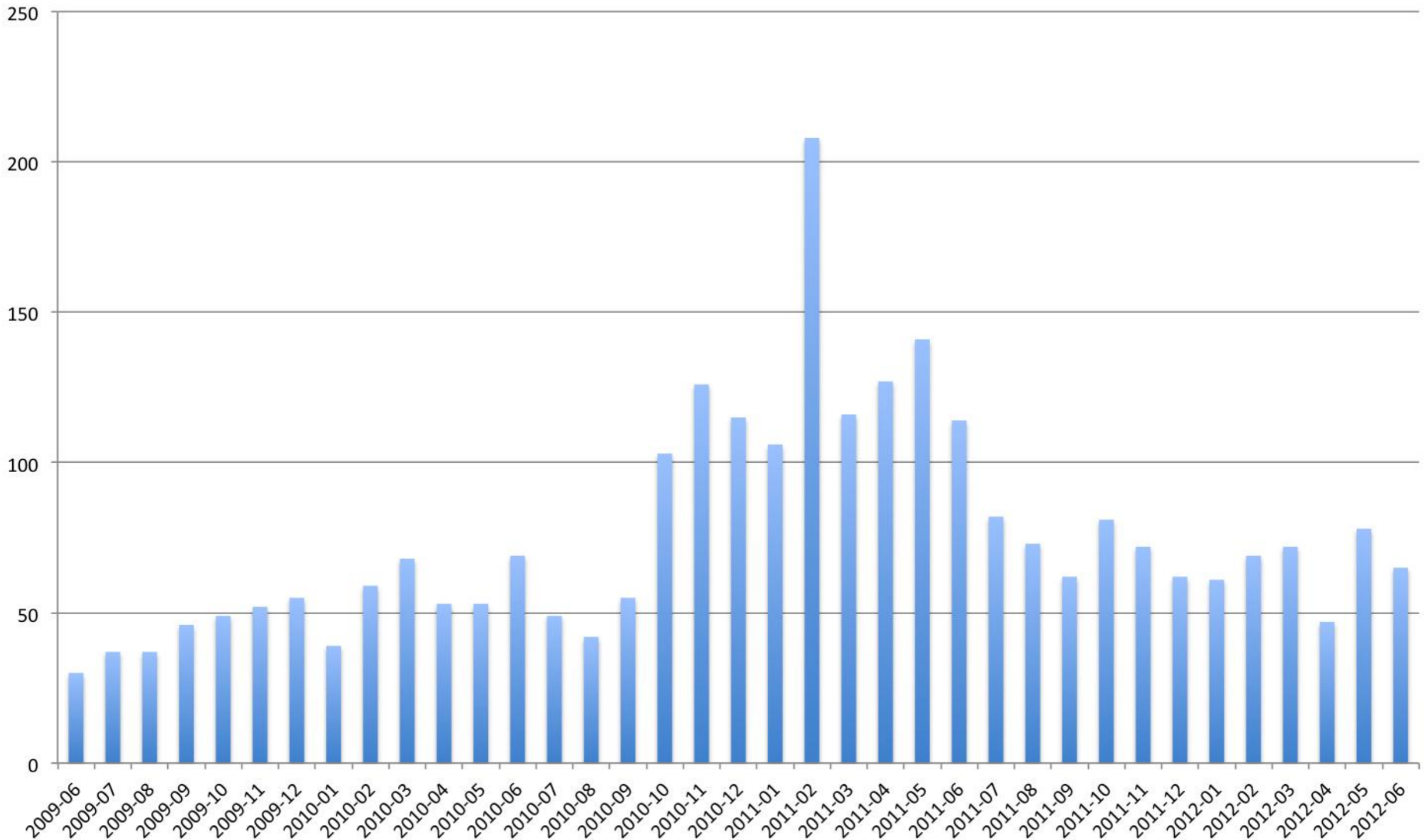28 June 2012

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Getting an IPv6 allocation from the RIPE NCC

- To qualify, an organisation must:
  - Be an LIR
  - Have a plan for making assignments within two years

- Minimum allocation size /32

- Allocation size is based on customer numbers and growth, not on transition technique!
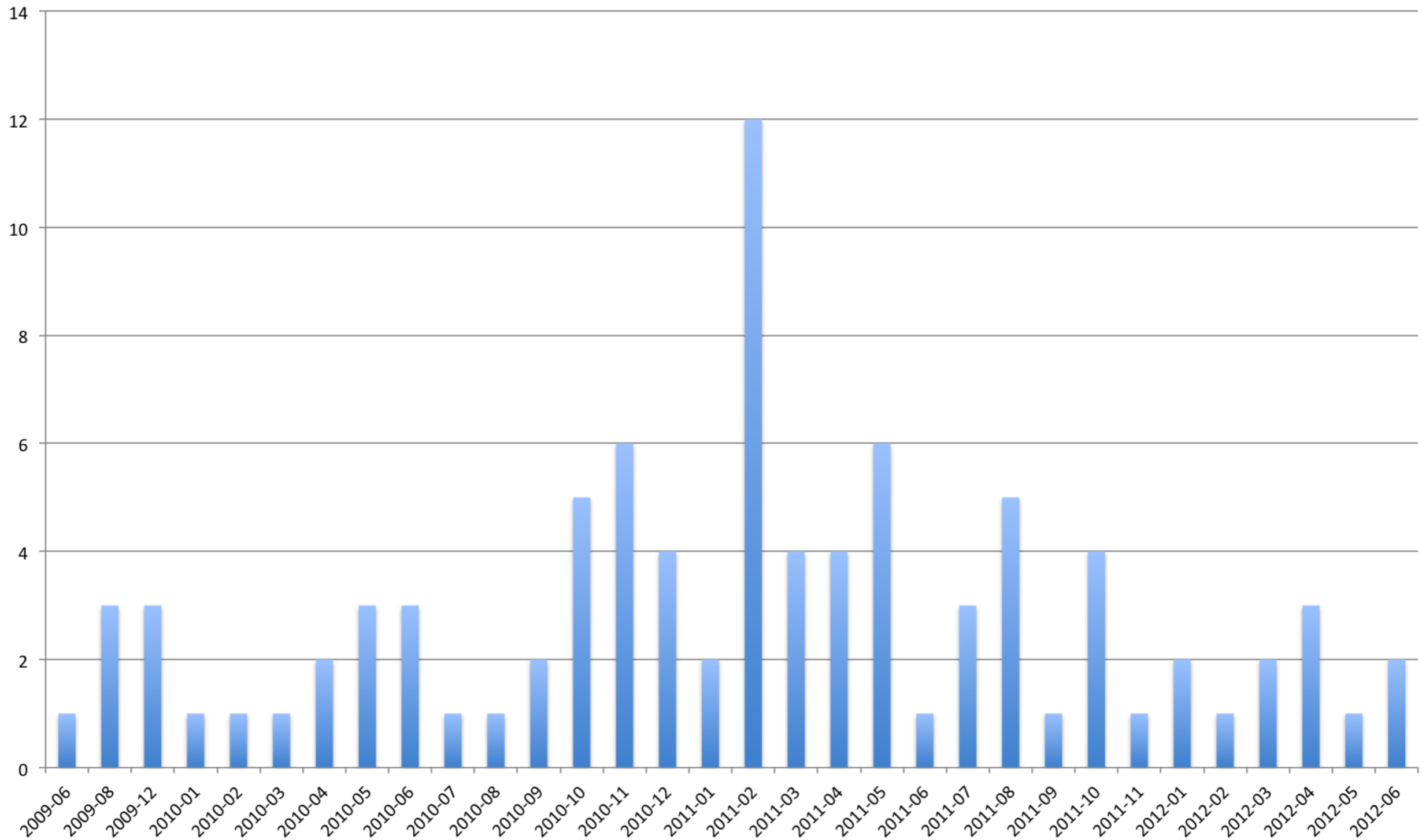
RIPE Policy Proposal 2011-04

- Extension of the Minimum Size for IPv6 Initial Allocation

  – Proposes initial allocation up to a /29

  – For example, for small LIRs to deploy IPv6 via 6RD (RFC 5969)

- Proposal accepted 2 May 2012
- The RIPE NCC is working on the implementation
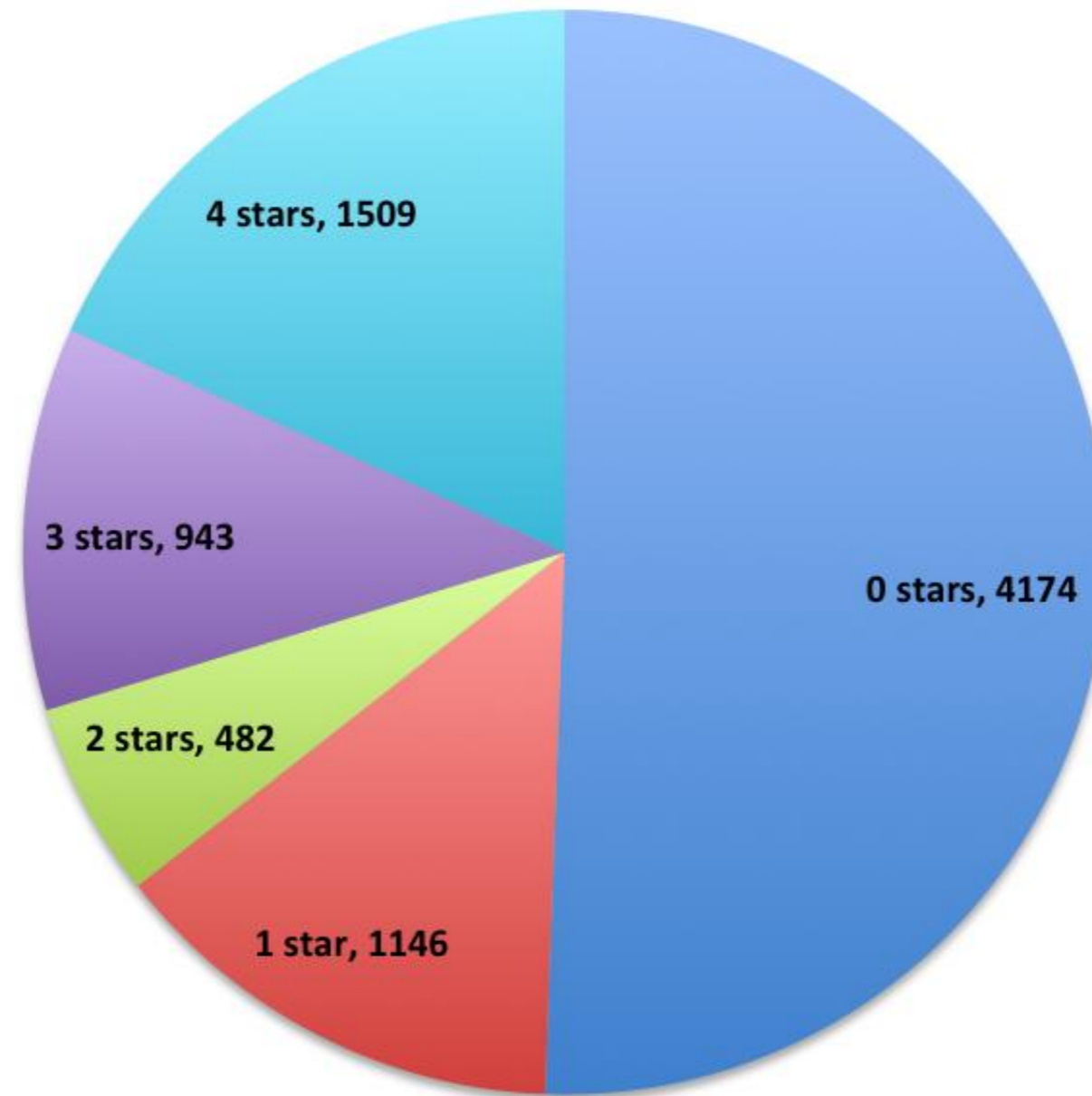
IPv6 Allocations per month

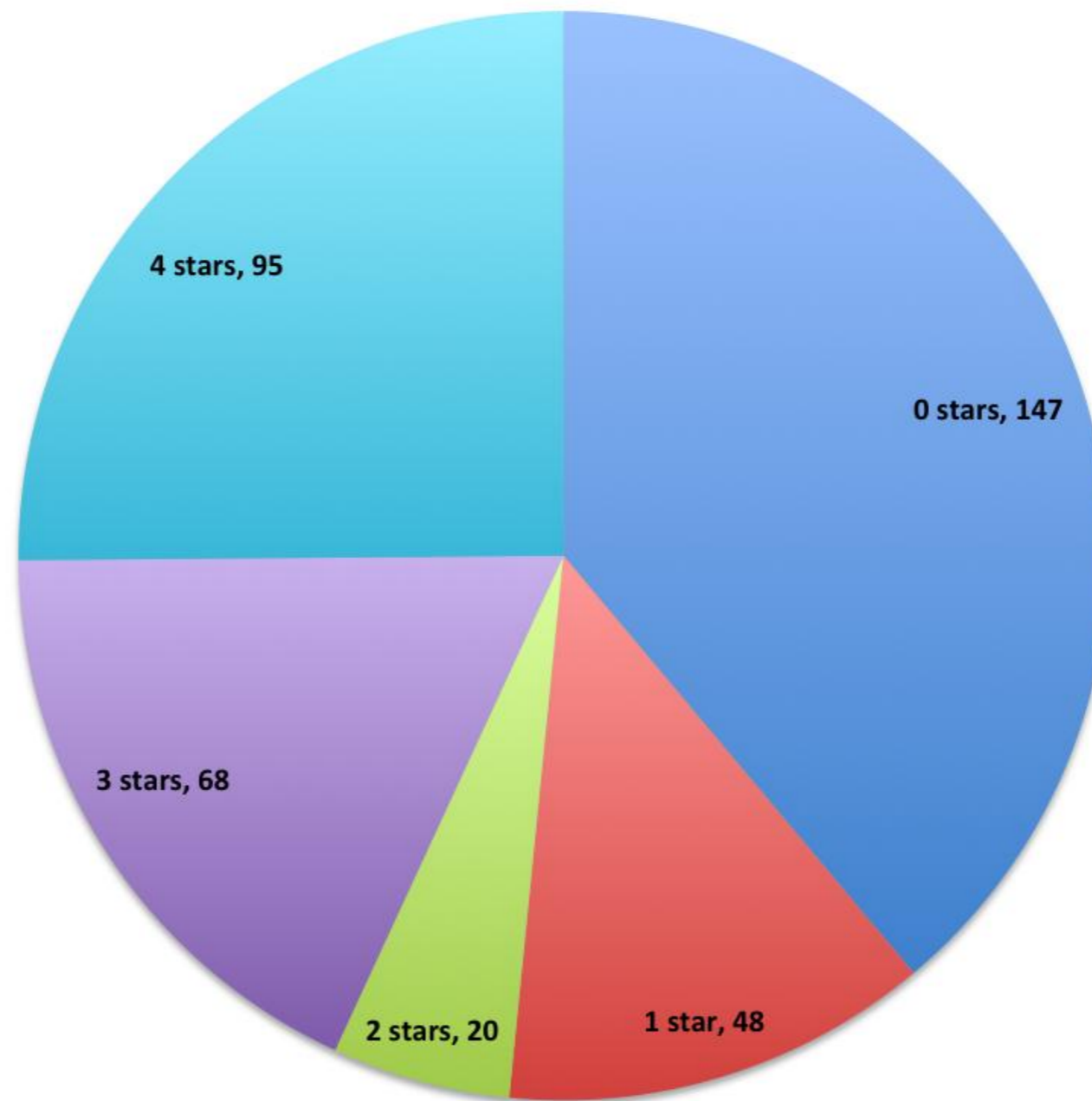# IPv6 Allocations per month CZ

IPv6 Deployment: RIPEness

- Rating system:

  - One star if the LIR has an IPv6 allocation

- Additional stars if:

  - A route6 object is in the RIPE Database

  - Reverse DNS is set up

  - IPv6 Prefix is announced

- A list of all 4 star LIRs: http://ripeness.ripe.net/

IPv6 RIPEness: 8254 LIRs

4 stars, 1509
3 stars, 943
2 stars, 482
1 star, 1146
0 stars, 4174

IPv6 RIPEness CZ: 378 LIRs

4 stars, 95

0 stars, 147

3 stars, 68

2 stars, 20

1 star, 48

IPv6: Outreach and Capacity Building

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ICANN Meeting, Prague
28 June 2012

RIPE NCC

Importance of Capacity Building

- ITU IPv6 Group (2009-2012)
  - "Capacity building programs are believed to pave the way for any future successful IPv6 strategies or action plans. We would like to invite the stakeholders to consider this as a model for smooth transition and better outreach."

                    United Arab Emirates contribution, 2012

- Multistakeholderism in action!

Capacity Building Activities

- IPv6 Roadshow
    - MENOG and RIPE NCC
    - Hands-on training (3 or 5 days)
    - Targeted at public sector operators
        - Incumbent telcos, regulators
    - Provided free of charge
    - Middle East… and beyond
    - Next step: Train the Trainer!

Capacity Building Activities

- Fostering regional and national forums
  - Network Operators Groups
  - National and regional task forces

- Facilitating RIPE community initiatives
  - IPv6 Requirements in ICT document
  - CPE survey
  - Statistics, analysis (RIPE Labs)

Multistakeholder Outreach

- Contributing to ITU, OECD, Internet Governance Forum

- Consultation with the public sector
  - Government task forces
  - Law Enforcement Agencies

- Online resources:
  - IPv6 Act Now
  - RIPE Labs

IPv6 Outreach Links

– Number Resource Organization (NRO):

http://www.nro.net/ipv6

– AfriNIC IPv6 Virtual Lab:

http://www.afrinic.net/projects/cvl.htm

– APNIC IPv6 Program:

http://www.apnic.net/community/ipv6-program

– ARIN IPv6 Wiki: http://www.getipv6.info/

– LACNIC IPv6 Portal: http://portalipv6.lacnic.net/en/

– IPv6 Act Now: http://www.ipv6actnow.org/

Questions?