IPv6 Update

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ICANN Meeting, Prague
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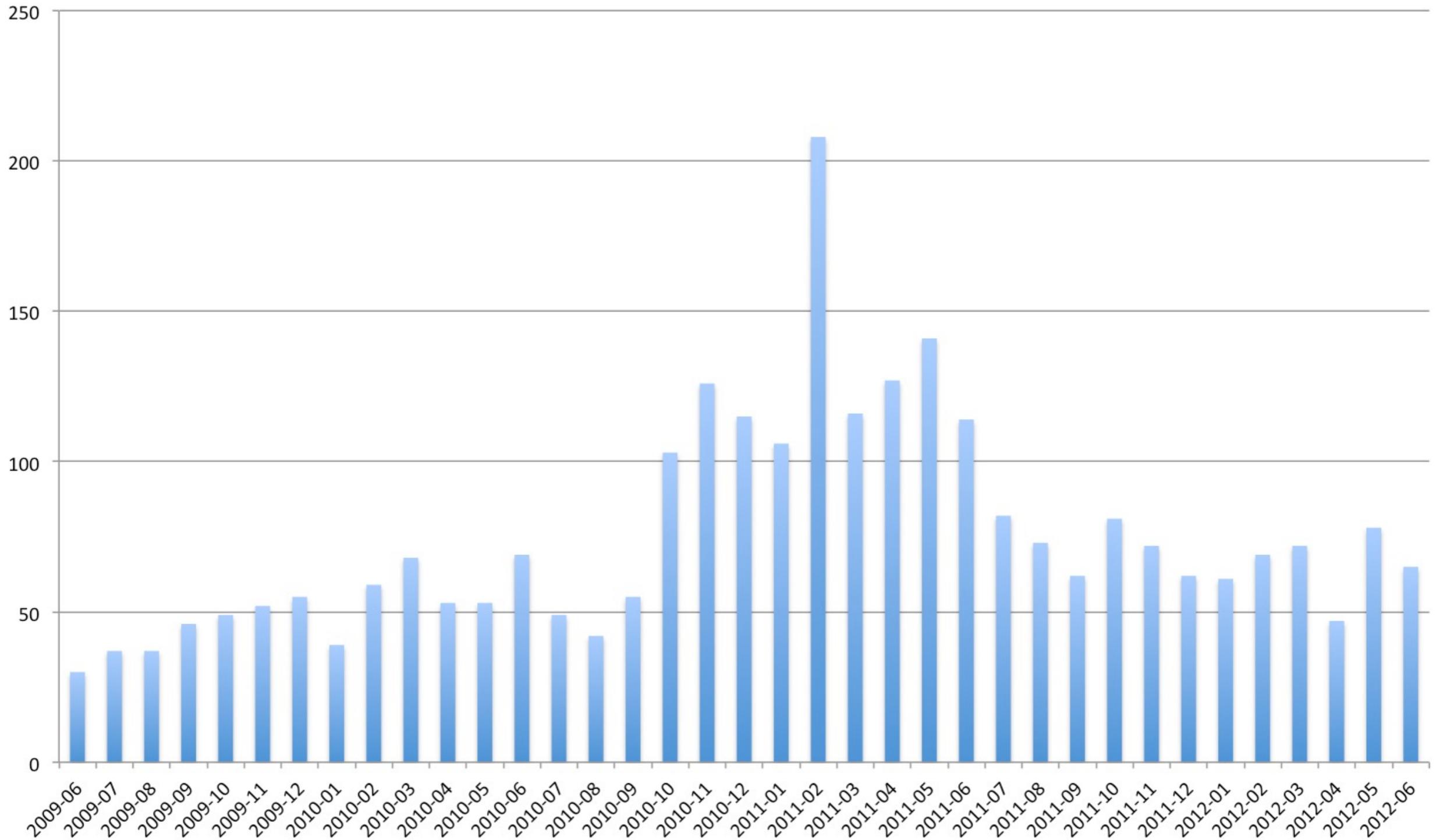# Getting an IPv6 allocation from the RIPE NCC

- 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!
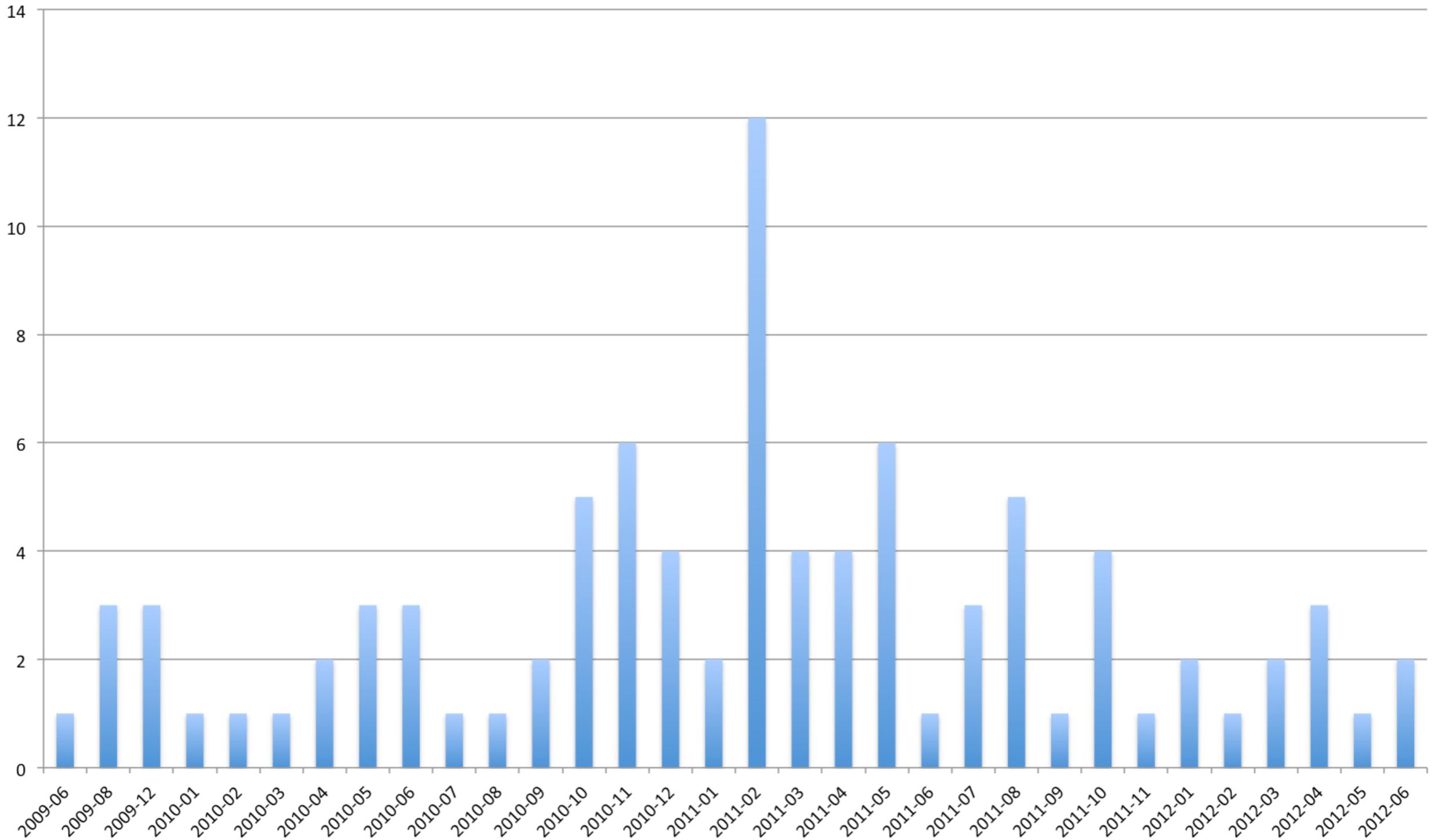
RIPE Policy Proposal 2011-04

- 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
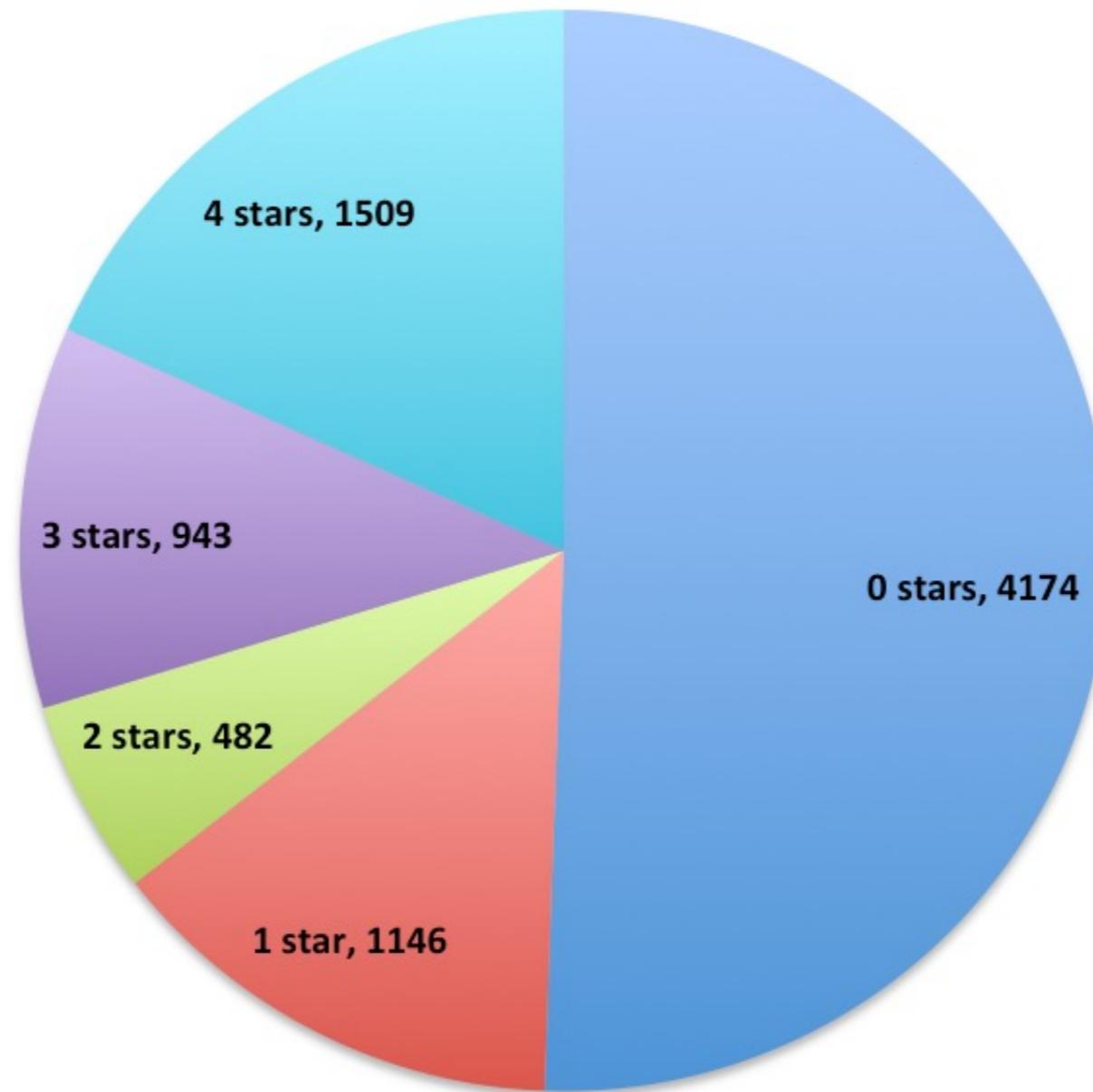
IPv6 Allocations per month CZ

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

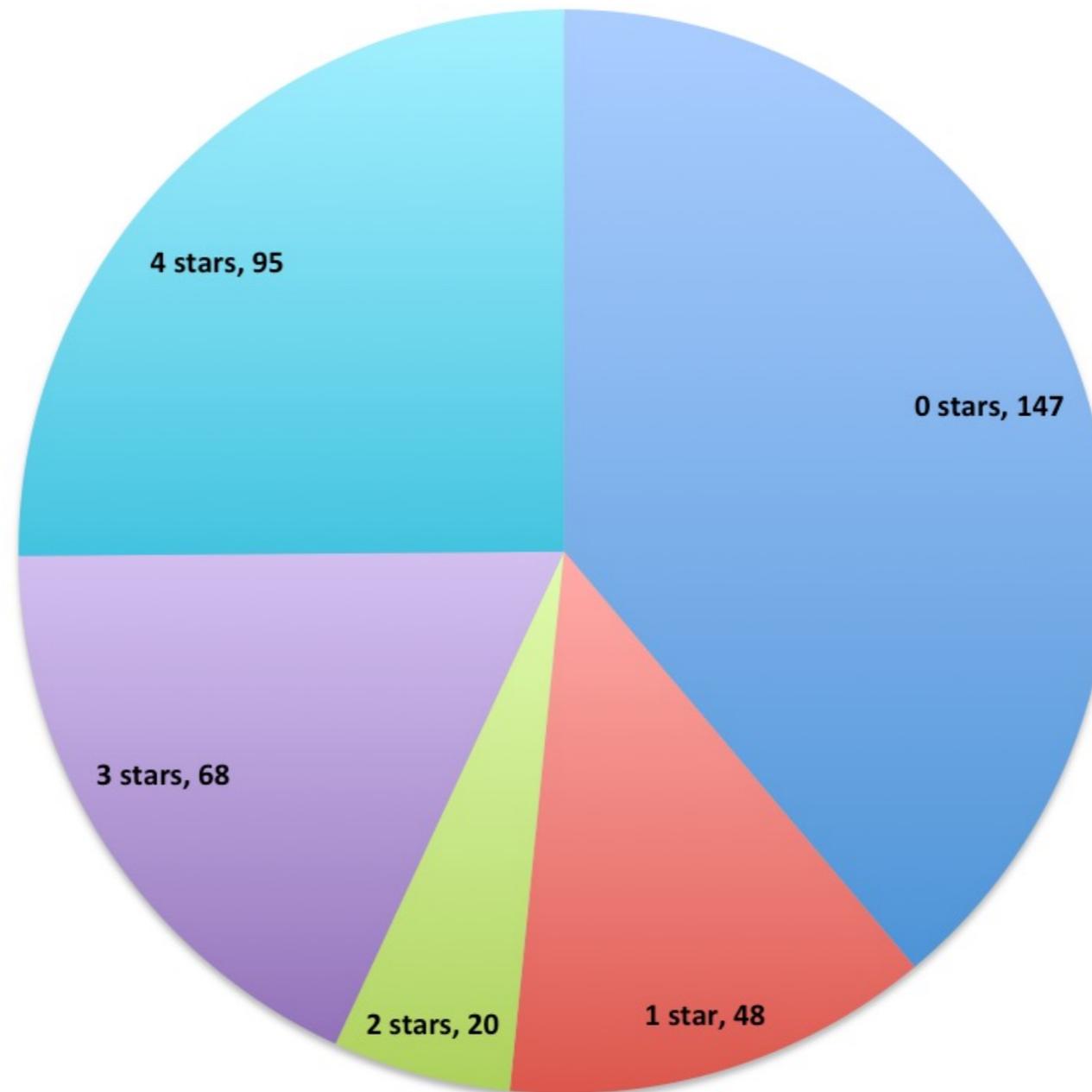- A list of all 4 star LIRs: http://ripeness.ripe.net/

IPv6 RIPEness: 8254 LIRs

IPv6 RIPEness CZ: 378 LIRs

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IPv6: Outreach and Capacity Building

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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)

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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?