



RIPE
NCC

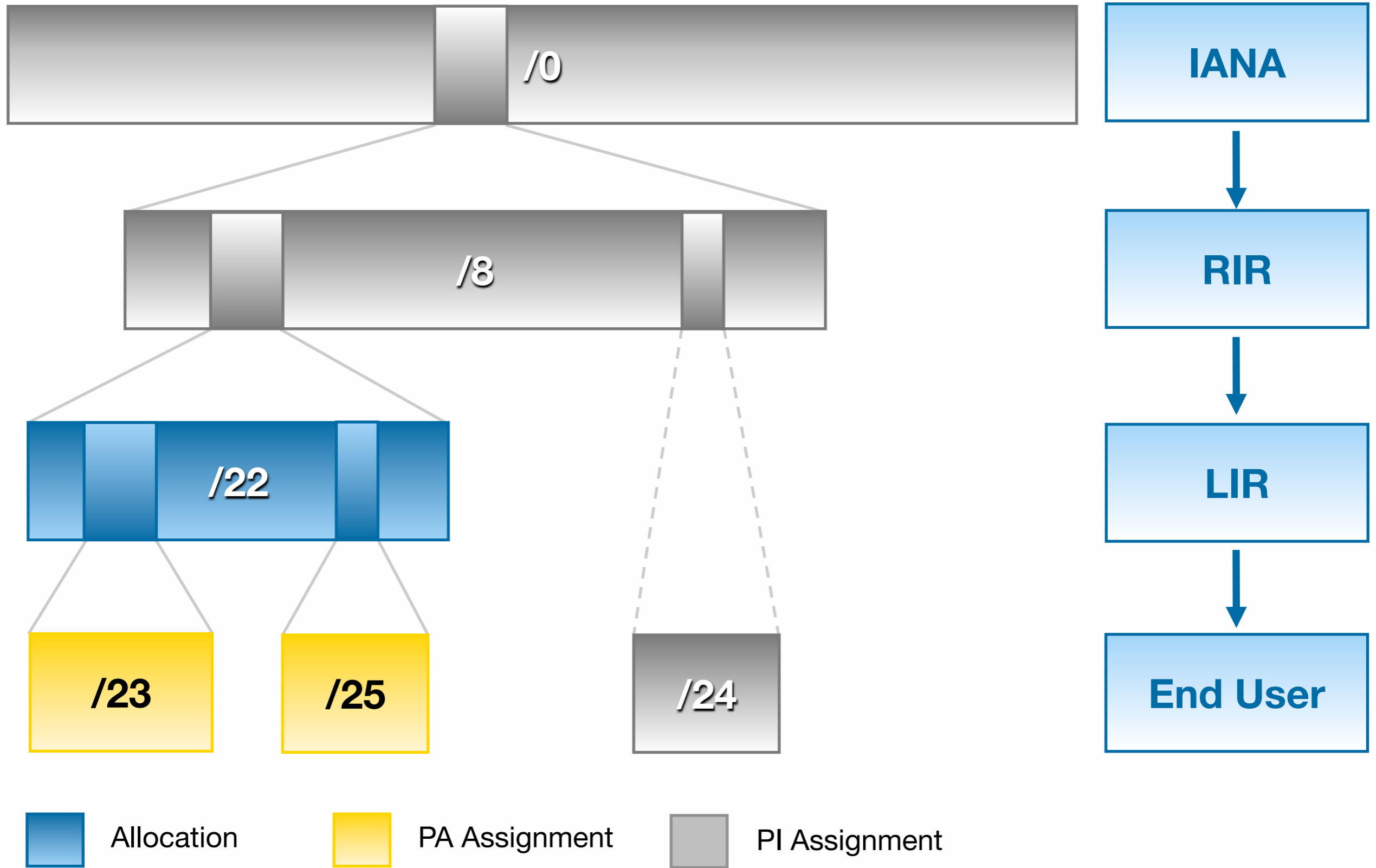
Obtaining IPv4 Addresses

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The Internet Registry System



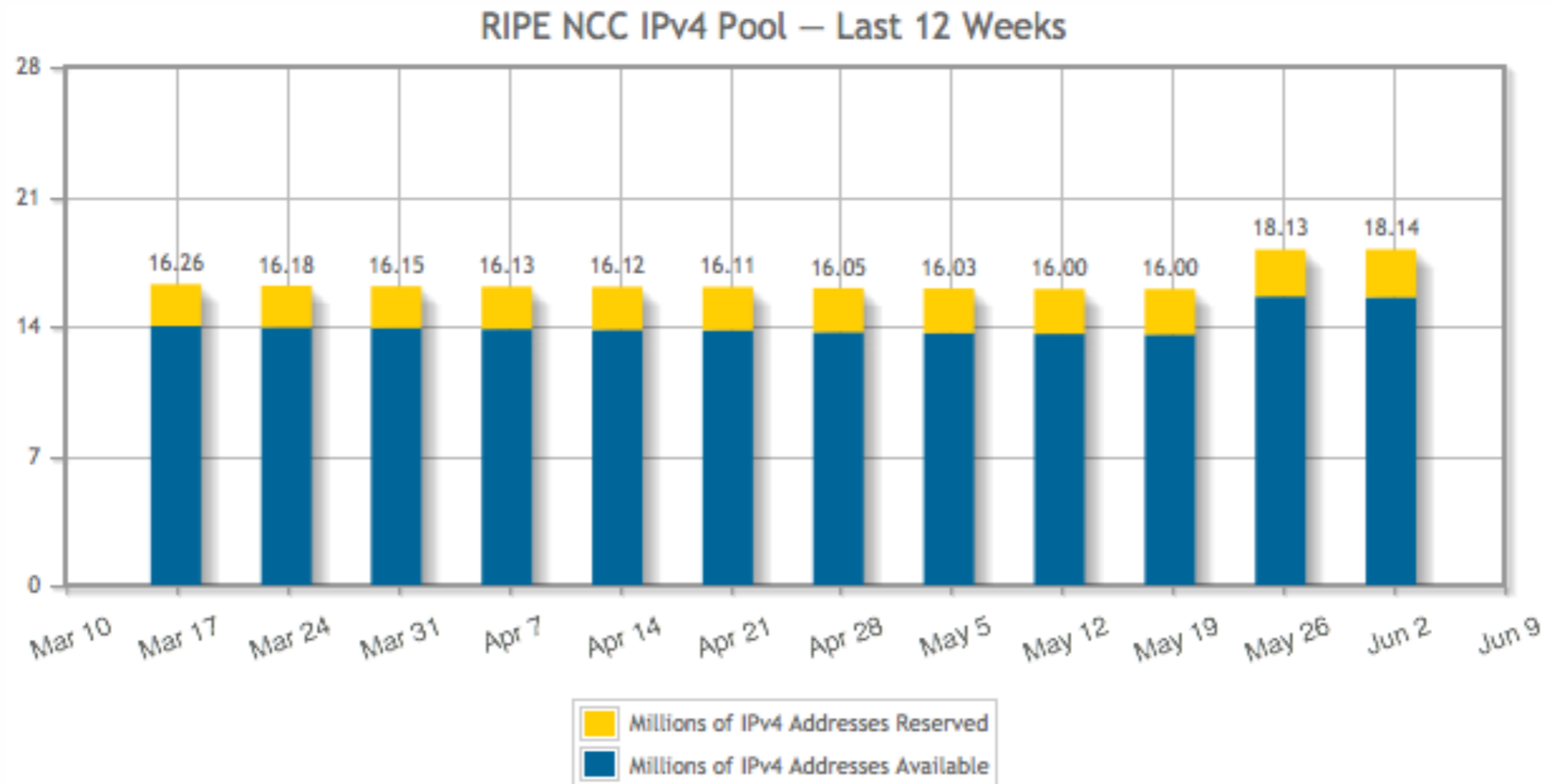
IPv4 Address Distribution



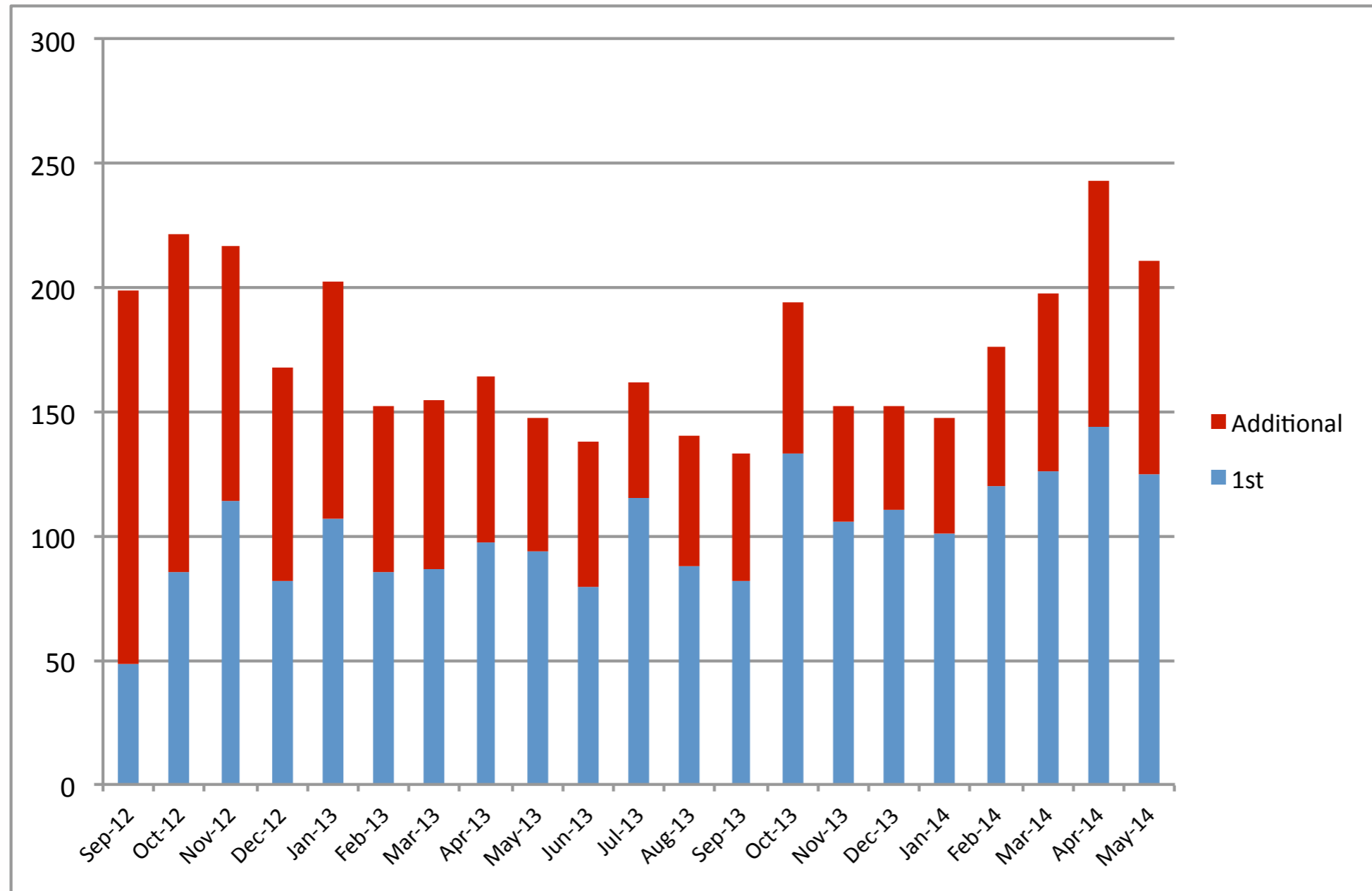
- Distribution of IP addresses is based on policies set by the RIPE community
 - The RIPE community is a collaborative forum open to anyone
 - The RIPE community develops and sets policies through open, bottom-up process of discussion and consensus-based decision making
 - Policy proposals are discussed in the Address Policy Working Group mailing list

<http://www.ripe.net/ripe/mail/wg-lists>

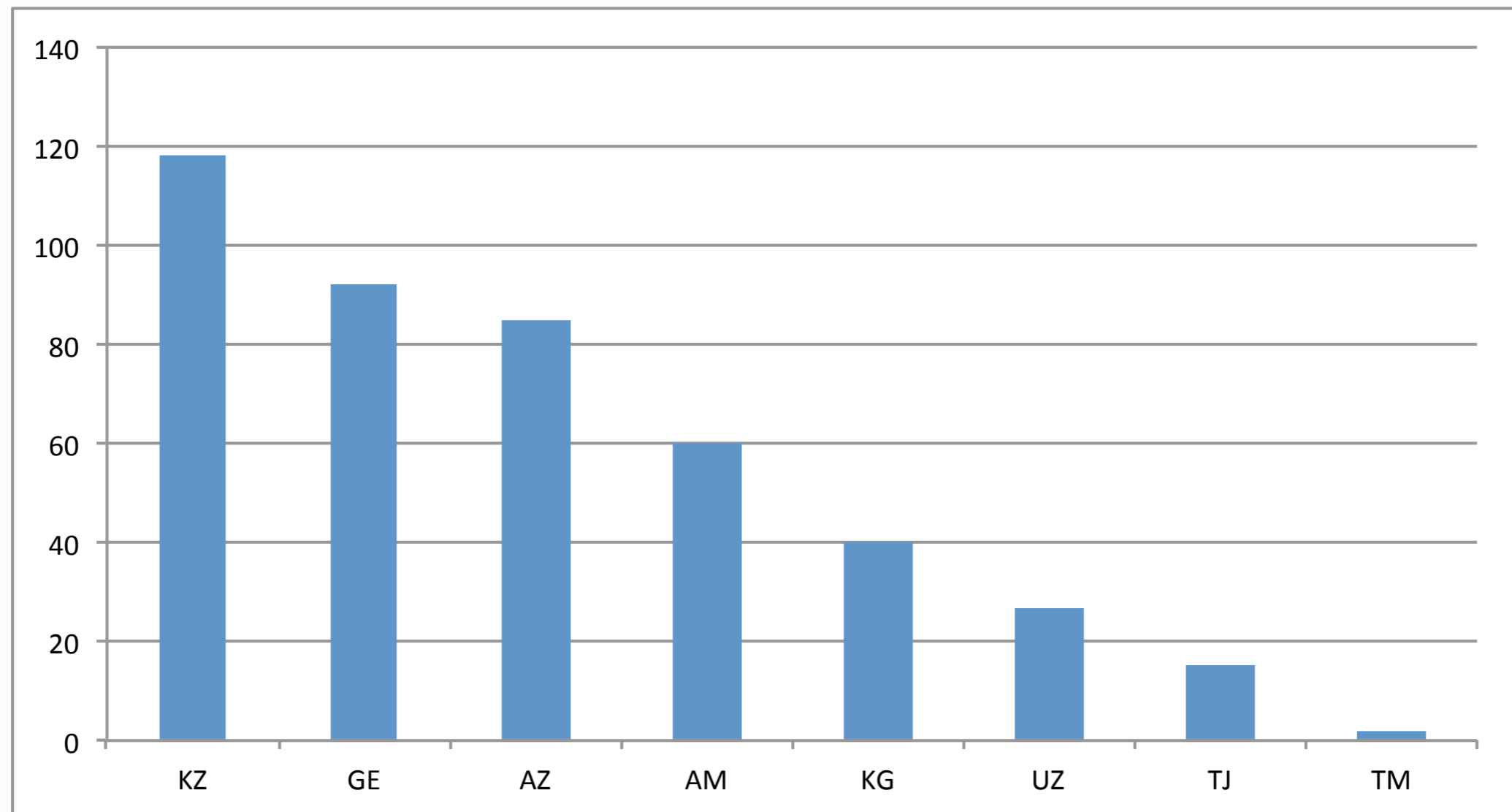
- Every member can get one final /22 allocation:
 - Both new and existing members
 - 16,000 x /22 in a /8
 - About 3,700 x /22 issued so far
 - Any returned address space goes into the free pool
 - A /11 just received from IANA and added to the free pool
- Only applies if the member already holds an IPv6 allocation

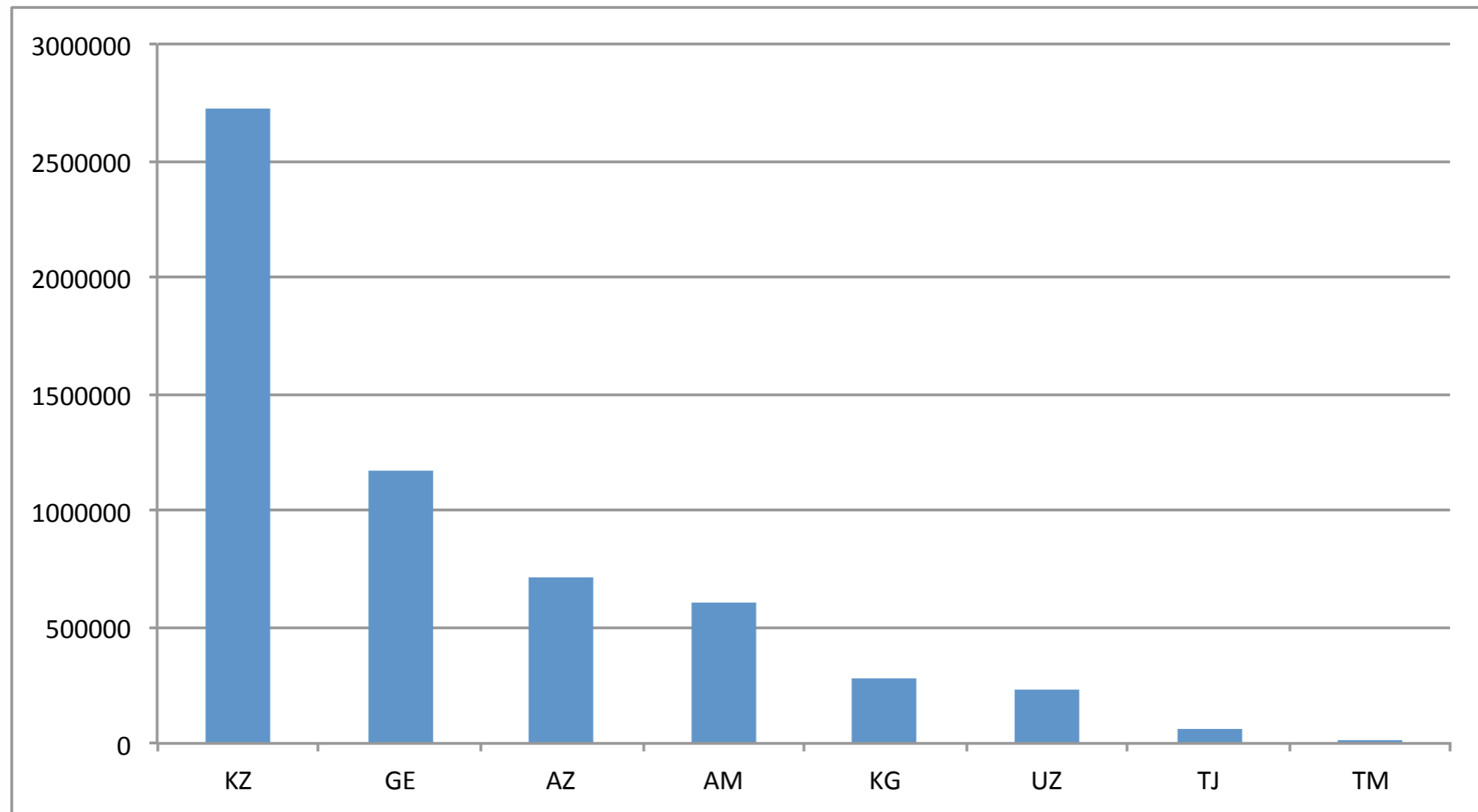


<http://www.ripe.net/internet-coordination/ipv4-exhaustion/ipv4-available-pool-graph>



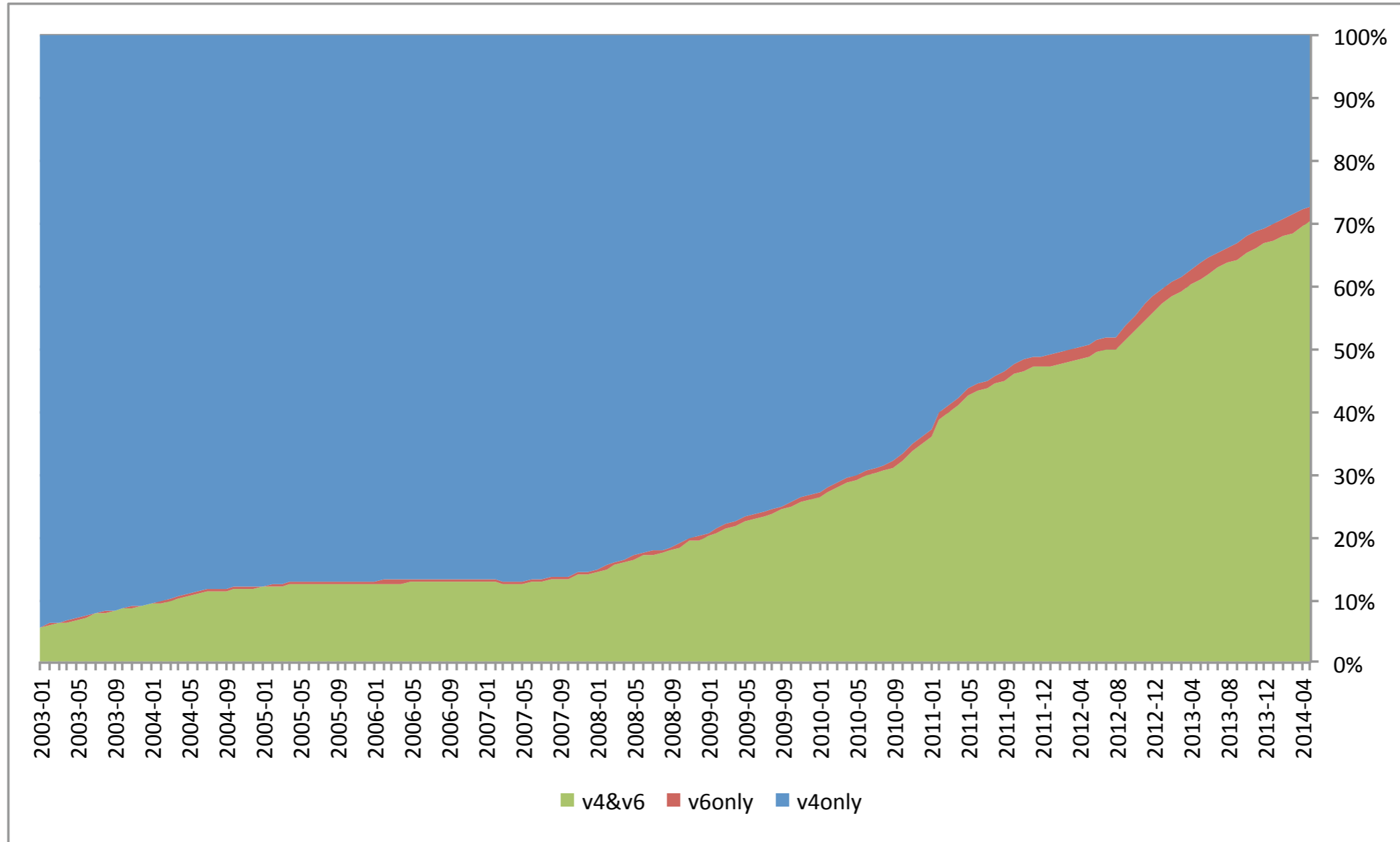
IPv4 Allocations by Country - Regional

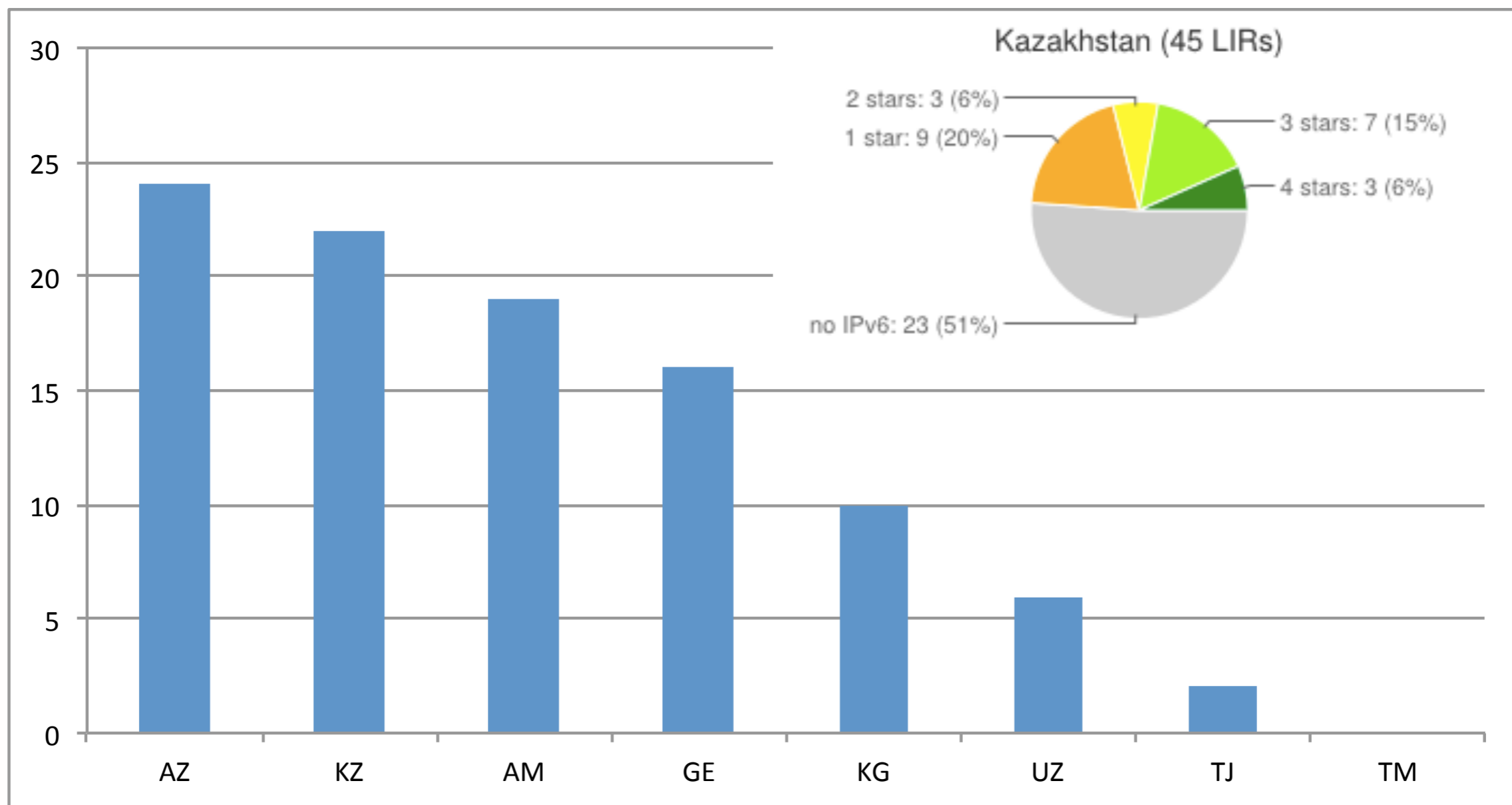




- To qualify, an organisation must:
 - Be a member of the RIPE NCC
 - Have a plan for making assignments within two years
- The minimum allocation size is a /32
 - Up to a /29 without additional justification
 - The initial /32 can be extended up to a /29 on request

Members With IPv4/IPv6 Address Space

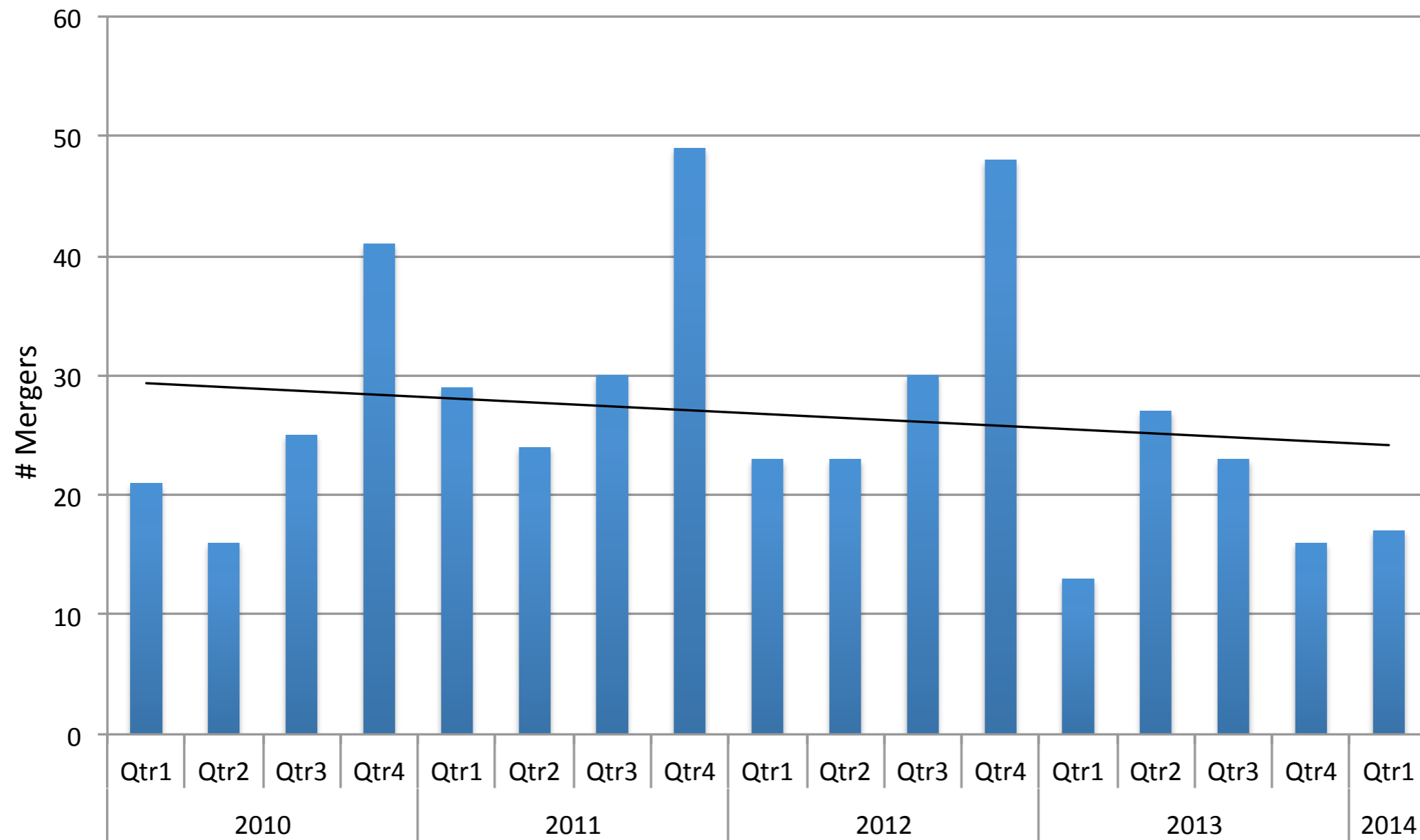




- Two different types of transfers
 - Mergers and acquisitions
 - Transfers of allocations using the RIPE transfer policy

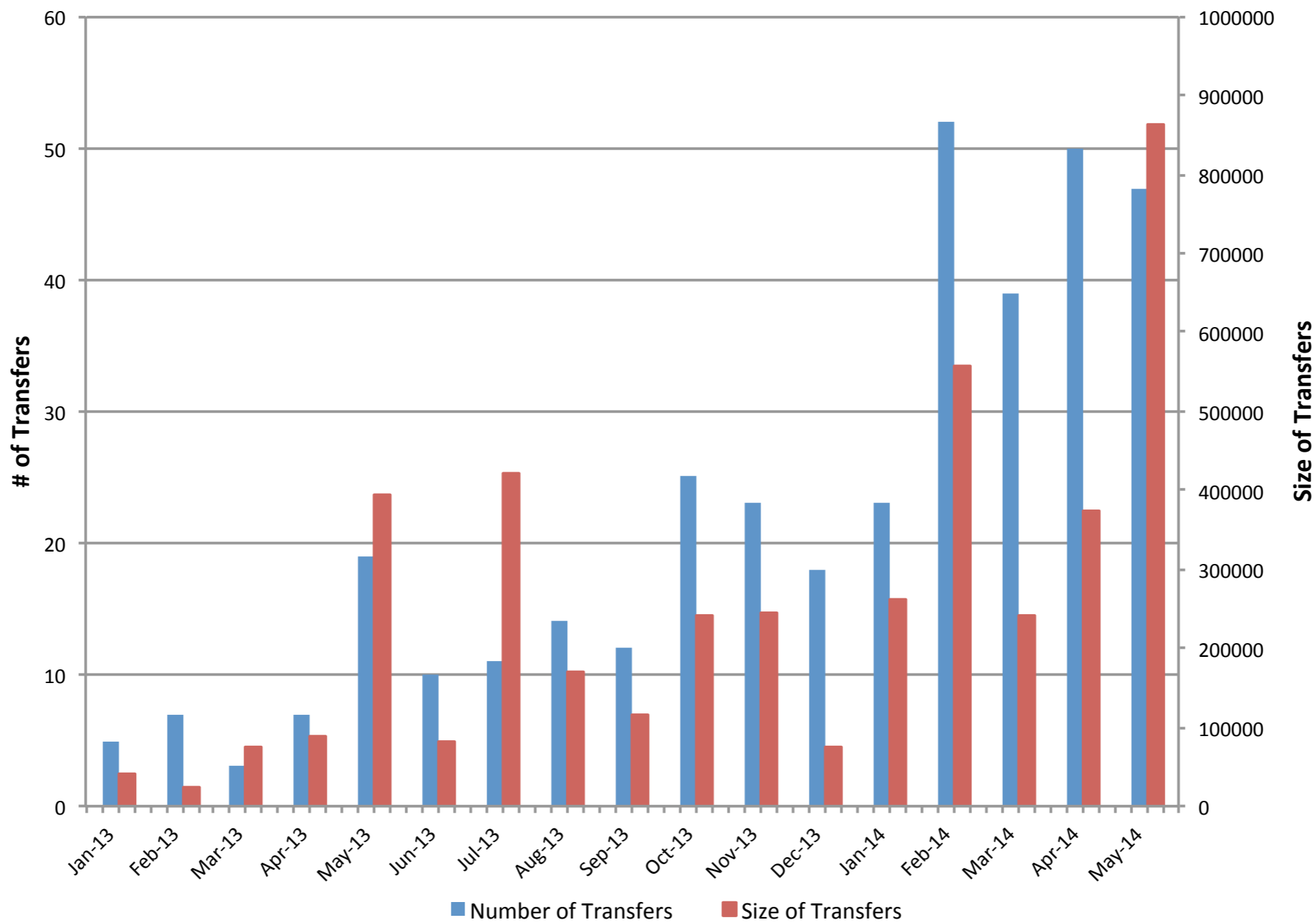
- If an organisation (or part of it) is being sold, the Internet number resources in use on its network can be transferred
- Documentation requested:
 - Merger/purchase agreement
 - Company registration papers for both parties
 - New “Independent Assignment Request and Maintenance Agreement” (only for Independent Resources)
- Based on ripe-595

Mergers Completed



- Policy requirements
 - Transfers between LIRs only
 - The LIR must confirm it will make assignment(s) from the allocation
 - Transfer can be permanent or temporary
 - List of transferred allocations is published
- Documentation requested
 - Signed RIPE NCC Transfer Agreement
 - Company registration papers for both parties
- Based on ripe-606

Transfers Completed



- Enables LIRs looking to transfer allocations to find receiving parties
- LIRs can also publish that they need resources
- Member-only service through the LIR Portal
- The RIPE NCC has no interest in financial transactions
- Transfers must follow transfer the policy in ripe-606

- My LIR**
- General Information >
 - Billing Details >
 - LIR Contacts >
 - My Location >
 - Communication Preferences >
 - Manage Users >
 - Add Users >

- Resources**
- IP Analyser 2 >
 - IPv4 >
 - IPv6 >
 - ASN >
 - Request Forms >
 - Object Editors >
 - IPv4 Transfer Listing Service >

- Resource Certification**
- Dashboard >
 - ROA Configuration >
 - History >

IPv4 Transfer Listing Service

The IPv4 Transfer Listing Service is a platform that enables RIPE NCC members to list and exchange the IPv4 address space they hold and no longer need. This can be transferred between RIPE NCC members as described in "IPv4 Address Allocation and Assignment Policies for the RIPE NCC Service Region". More information about transfers of IPv4 address space can be found [here](#).

Before any resources can be transferred the receiving LIR must send an [initial/additional allocation form](#) to the RIPE NCC for [pre-approval](#). The request must state the listing service is being used and the desired allocation size.

By using this service you explicitly express your agreement with the [IPv4 Transfer Listing Service Terms and Conditions](#).

[Edit existing offer](#) [Edit existing request](#)

Offered IPv4 Addresses

> /21 (3)

Requested IPv4 addresses

> /13 (1)

> /14 (1)

> /16 (6)

> /17 (2)

> /18 (10)

Feedback

Request Unused IPv4 Address Space

The IPv4 Transfer Listing Service enables RIPE NCC members to list and exchange the IPv4 address space they hold and no longer need. For more information about this service, please see the IPv4 Transfer Listing Service [FAQs](#).

My Contact Details

Name

Email

Contact details

If you would like to transfer, please contact me for the details.

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Feedback

Requested IP Allocation

Current request There is **no request** listed for your registry.

Allocation size

Transfer duration

Temporary
 Permanent

- Some members may decide to use a broker to facilitate the transfer process
- Listing of “recognised brokers” on the website
 - Brokers who have signed an agreement to follow
 - RIPE policies
 - RIPE NCC procedures

<http://www.ripe.net/lir-services/resource-management/ipv4-transfers/brokers>

- Ensuring that transfers follow RIPE policy
- Supporting our members through the transfer process
- The RIPE NCC has no interest in financial transactions
- Our ultimate priority is keeping the registry up-to-date
- Support you in protecting your resources!

- IPv4 addresses are becoming more valuable
- Criminals try very sophisticated methods to obtain control over (apparently) unused address blocks:
 - Faking registration and identity papers
 - Faking entire websites and domains
- RIPE NCC has to do more thorough checks:
 - Unfortunately, it can take extra time to process requests
 - Please cooperate in supplying the required documents

- Hijacks often target address blocks with outdated contact details
- Make sure your contact persons and company details are up-to-date
 - Check the LIR Portal and update contacts
 - Verify all entries in RIPE Database are correct
 - Process any changes right away

- If acquiring resources, ensure you are in contact with the legitimate holder or representative
- If you need help, or think your resources may have been hijacked, contact: reg-review@ripe.net

<https://www.ripe.net/lir-services/resource-management/address-hijacking-in-the-ripe-ncc-service-region>

- Need for current and accurate registry data
- Previous audit activities considered “time-consuming and disruptive” by members
 - Provide a more efficient, less time-consuming experience for the member



https://labs.ripe.net/Members/matt_parker/assisted-registry-check-first-results

There are a number of policy proposals aimed at facilitating transfer of IPv4 addresses between organisations

- Policy proposal 2014-04 - *'Allow IPv4 PI transfer'*
 - Policy proposal would allow holders of Provider Independent (PI) IPv4 addresses to transfer those to other organisations

- Policy proposal 2014-01 - *‘Abandoning the Minimum Allocation Size for IPv4’*
 - Policy proposal would remove the /22 minimum allocation size. This would allow LIRs to transfer even small blocks of IPv4 addresses to other LIRs
- Policy proposal 2014-05 - *‘Policy for Inter-RIR Transfers of Internet Resources’*
 - Policy proposal would allow the transfer of Internet number resources from an LIR of another Regional Internet Registry (RIR) to an entity or LIR within the RIPE NCC service region

- The RIPE Policy Development Process process is open to everyone
- Participate and let your voice be heard
- If you would like support in order to propose a new policy, contact us at pdo@ripe.net
- <http://www.ripe.net/ripe/policies/current-proposals/current-policy-proposals>

