Obtaining and Managing IP Addresses

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In This Talk

- Getting IPv4 and IPv6

- IPv4 Transfers

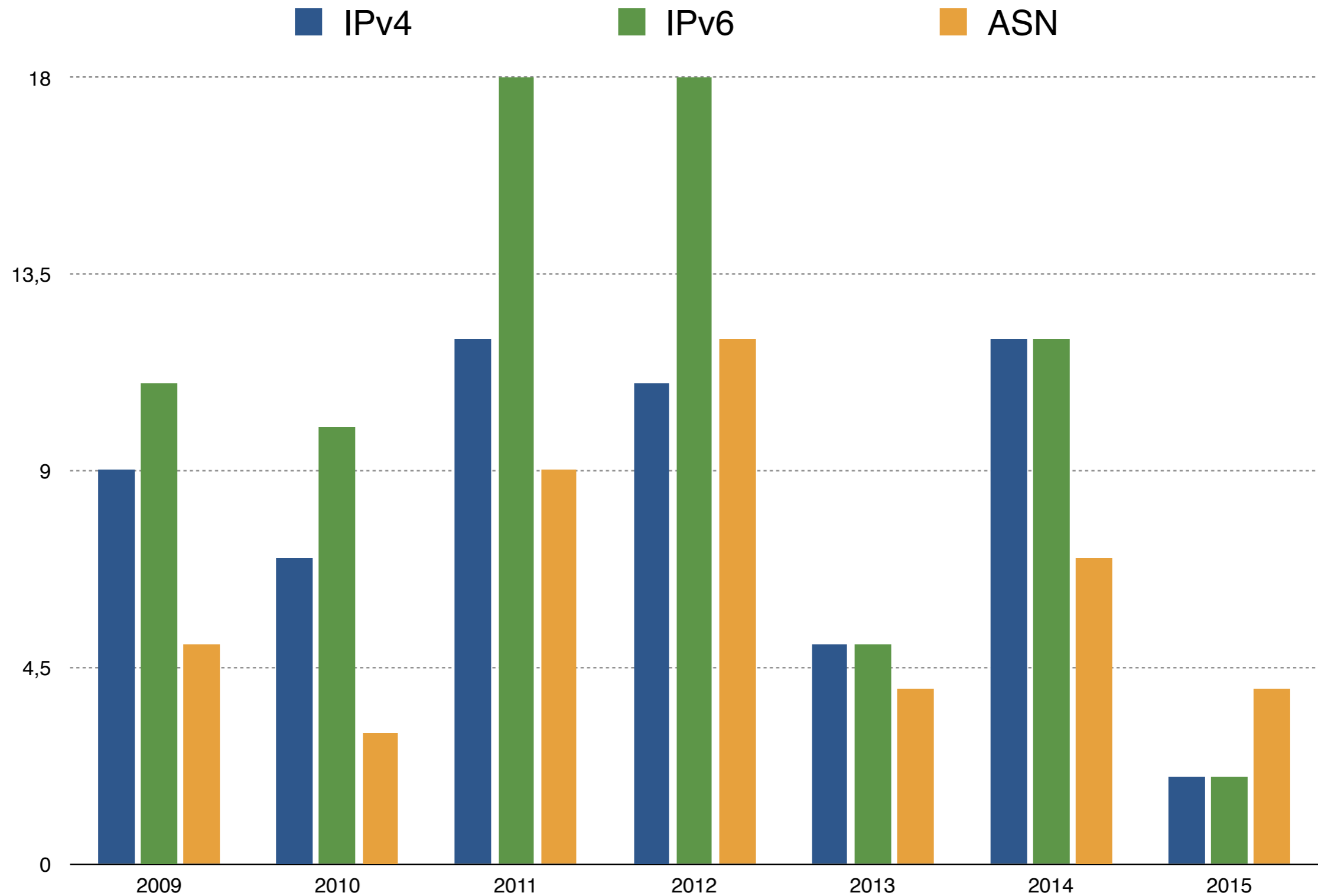- Protecting Your Resources

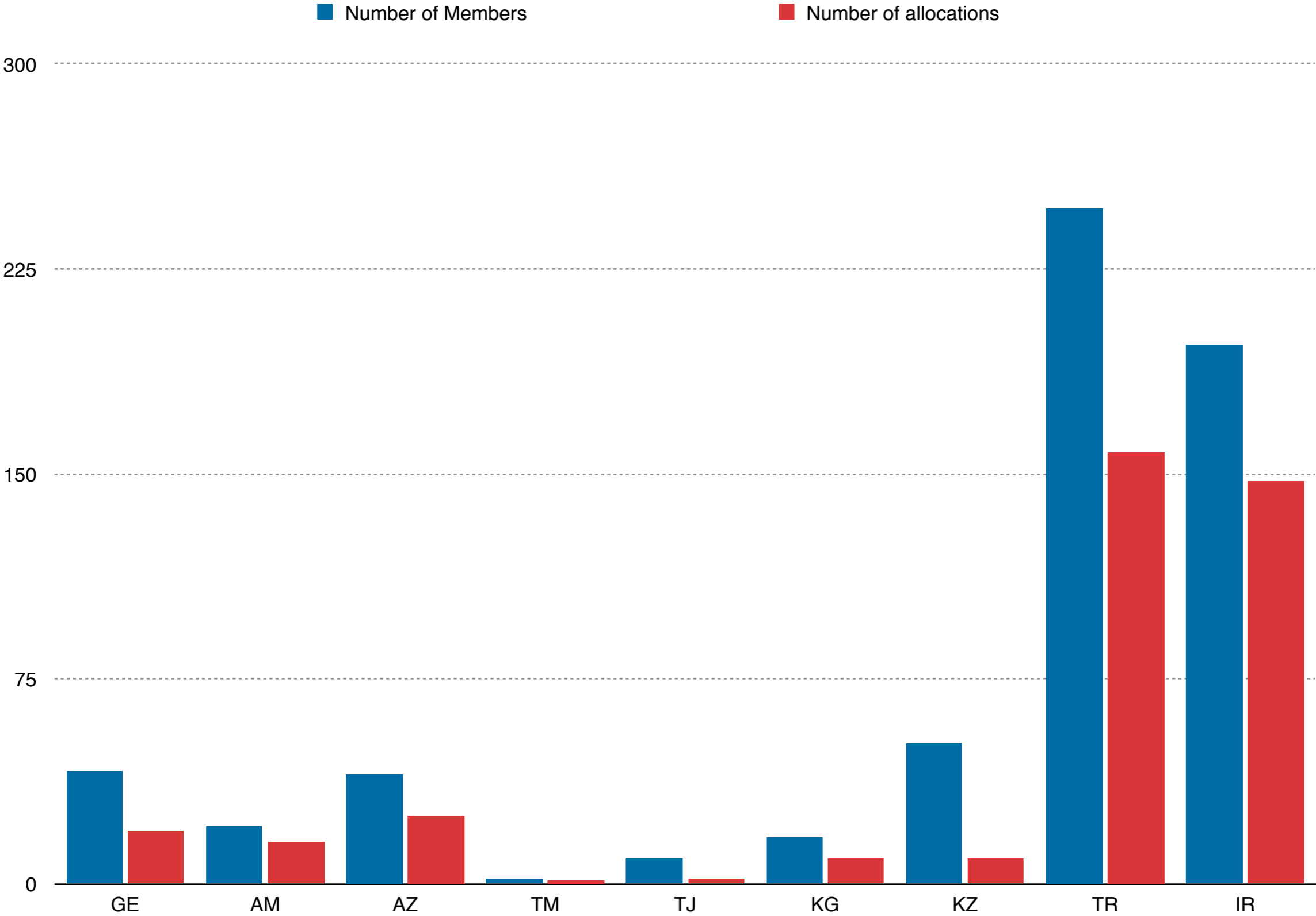- The RIPE Policy Development Process (PDP)

Getting IPv4 and IPv6

Internet Resources Issued to Georgia

IPv4 Address Requests

- Under current policy, each member can get one allocation from the remaining pool (the last /8)

  - Allocation size: 1,024 addresses (/22)
  - For both new and existing members

- To qualify for an IPv6 allocation, 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
    - Can be extended up to a /29 without additional justification
    - More addresses can be allocated when justified by customer numbers and infrastructure size
    - New policy proposal on assessment criteria for IPv6 initial allocation size is being discussed

- If you are not a member, you can request a Provider Independent (PI) assignment

RIPE NCC

IPv6 Allocations in the Region
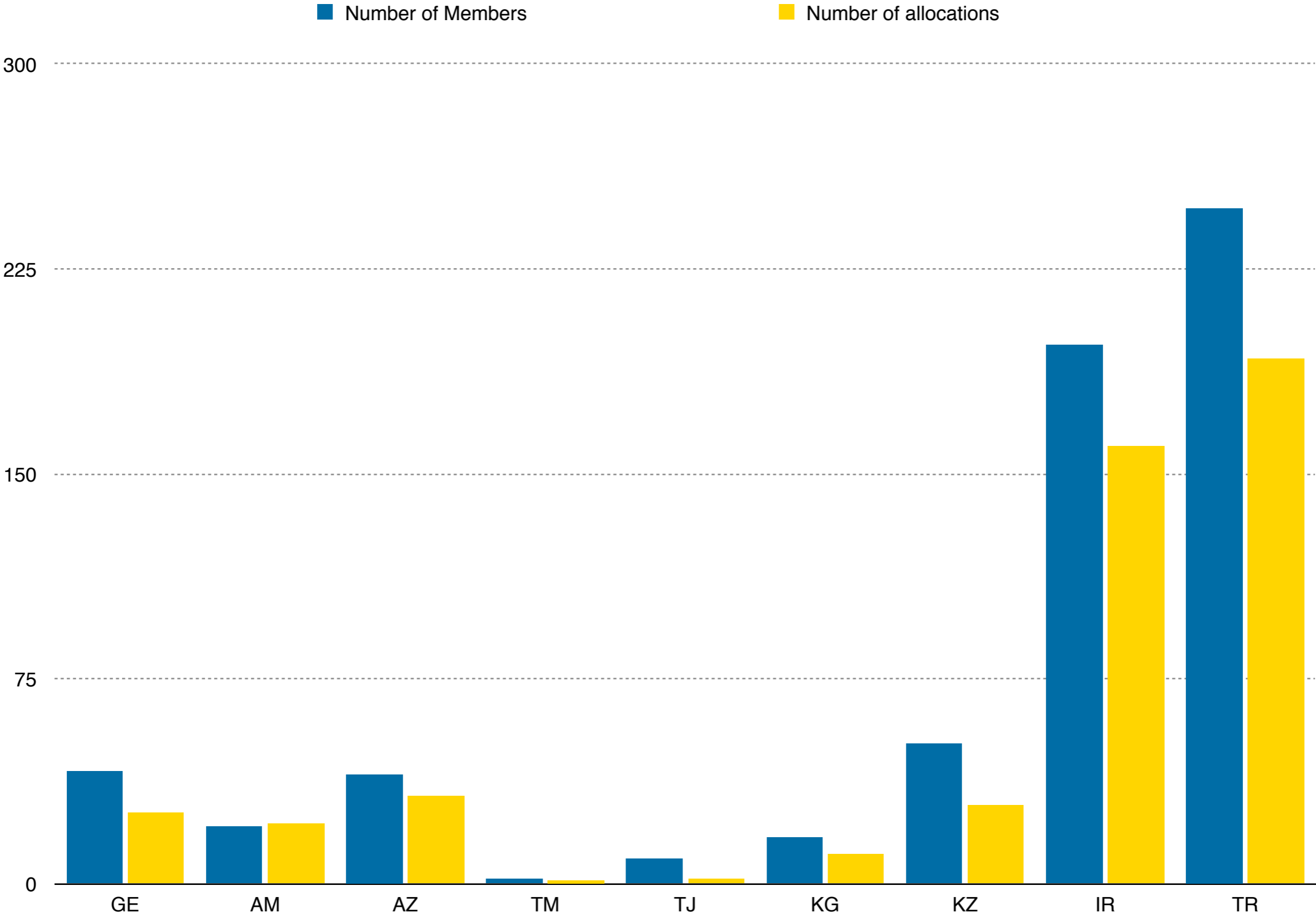
- All request forms are available in the LIR Portal

  - Log in to http://lirportal.ripe.net using your RIPE NCC Access account

  - Forms are secure and easy to fill out

  - Email-based request forms will be fully phased out by 30 May 2015

  - New APIs have been deployed to automate requests and are in the testing phase

- lir-help@ripe.net is available for all other questions about resource management

The LIR Portal

- Members' main communication interface with the RIPE NCC

- Helps you to manage your resources:
    - View all allocated and assigned IP addresses and ASNs
    - Update assignments
    - Request resources
    - Access IP management tools such as the IP Analyser

- Electronic invoices

https://lirportal.ripe.net
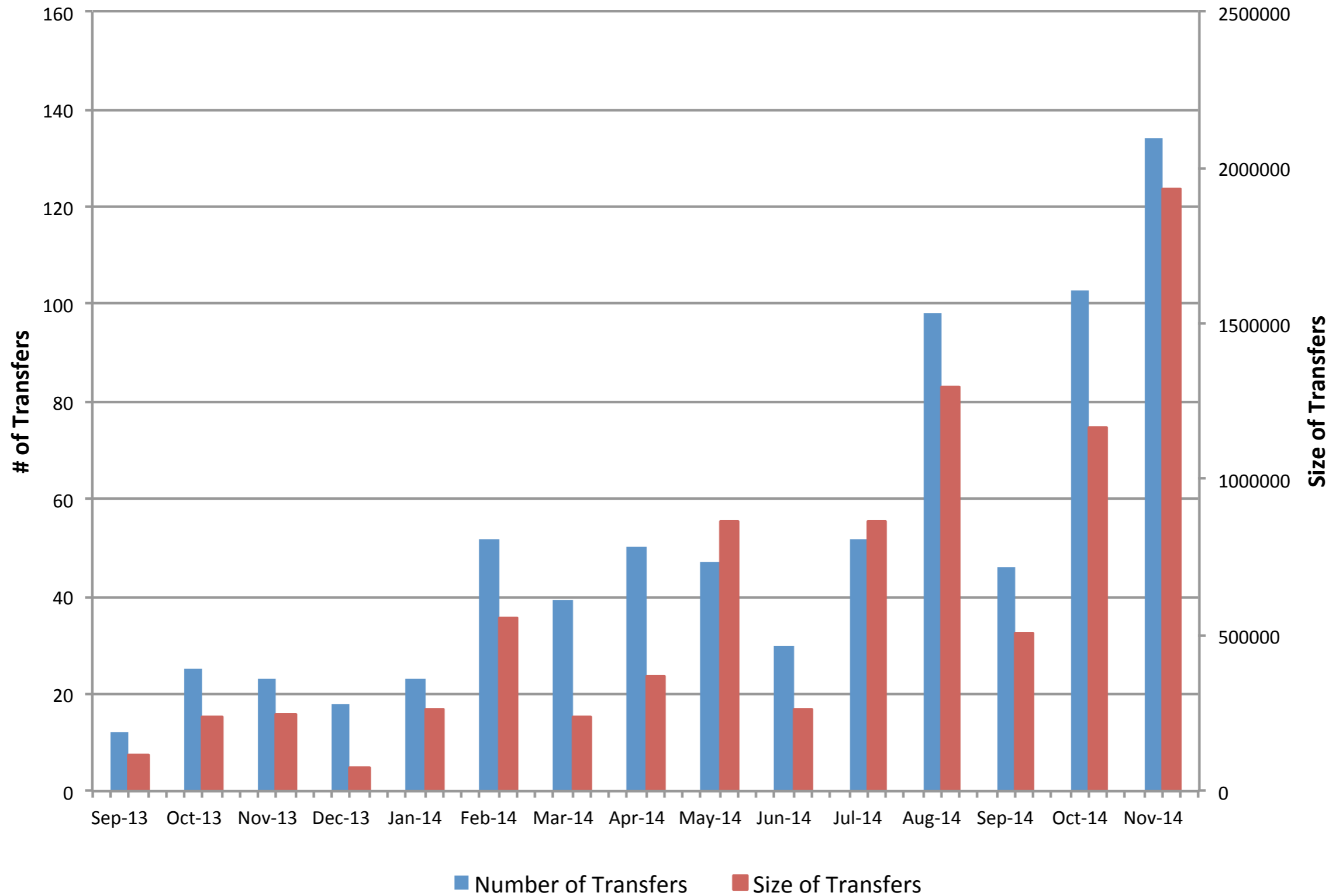
IPv4 Transfers

If You Need More IPv4 Addresses

- IPv4 addresses can be transferred

  - Between members only

  - No minimum allocation size

  - Permanent or temporary transfer

- The RIPE NCC is not involved in any commercial agreement between members

  - Our task is to keep the RIPE Registry accurate

- The RIPE Database will be updated to show changes

  - Completed transfers are also published on our website

- IPv4 Transfer Listing Service

  - Accessible via the LIR Portal

  - Can indicate whether you have IPv4 addresses available or if you are looking for addresses

  - Facilitates demand and supply

- List of "recognised" brokers on our website

  - Brokers who have signed an agreement to follow RIPE Policies and RIPE NCC procedures

How To Request an IPv4 Transfer

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- Send an email to lir-help@ripe.net

- Include the following information and documents:

  - IPv4 allocation(s) being transferred

  - Company names and contact details

  - Whether the transfer is permanent or temporary

  - IPv4 Transfer Agreement

  - Company registration papers of both parties

- More information is available on our website:
  https://www.ripe.net/ipv4transfers

RIPE NCC Regional Meeting Georgia - May 2015

Completed IPv4 Transfers

- There are a number of recent policy proposals that facilitate transfers

- Current policy proposal 2015-01, "Alignment of Transfer Requirements for IPv4 Allocations"

- Implementing Policy for inter-RIR transfers

  - Aims to facilitate the transfer of Internet number resources between the RIPE NCC and other RIR service regions

Accepted Policy Proposals

- Policy Proposal 2014-12 "Allow IPv6 Transfers"
    - IPv6 Allocations and IPv6 PI Assignments
- Policy Proposal 2014-13 "Allow AS Number Transfers"
- Will announce when implementation is completed in July

The RIPE NCC's Position on Transfers

- Our ultimate priority is keeping the RIPE Registry up-to-date

- We ensure that transfers follow RIPE Policy as decided by the community

- We support our members through the transfer process

- The RIPE NCC has no interest in financial transactions

Protecting Your Resources

Protecting Your Resources

- IPv4 addresses are becoming valuable

- Criminals use sophisticated methods to obtain control over (apparently) unused address blocks

  - Faking registration and identity papers

  - Faking entire websites and domains

- We have to do more thorough checks

  - Unfortunately, it can take more time to process requests

  - Please cooperate in supplying the required documentation

- Hijackers often target blocks with outdated contacts details!

- Make sure to verify your details in the LIR Portal

  - Company address and contact details

  - List of people authorised to make changes

  - RIPE NCC Access accounts that have access

- Verify your entries in the RIPE Database

  - Authentication via **maintainer** passwords

  - Contact details in **maintainer** and other objects

- Process any changes right away

  - Check your information at regular intervals

- In case of questions, contact us!

The RIPE Policy Development Process (PDP)

If You Want To Change Policies

- RIPE Policies evolve over time to accommodate changes in industry and technology

- The community creates policies through open, bottom-up process of discussion and consensus-based decision-making

  - You can take part in this process and join the discussion on the Address Policy Working Group mailing list

  - http://www.ripe.net/ripe/groups/wg/ap

- Our Policy Development Officer can help you create a new proposal: pdo@ripe.net

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Questions?