

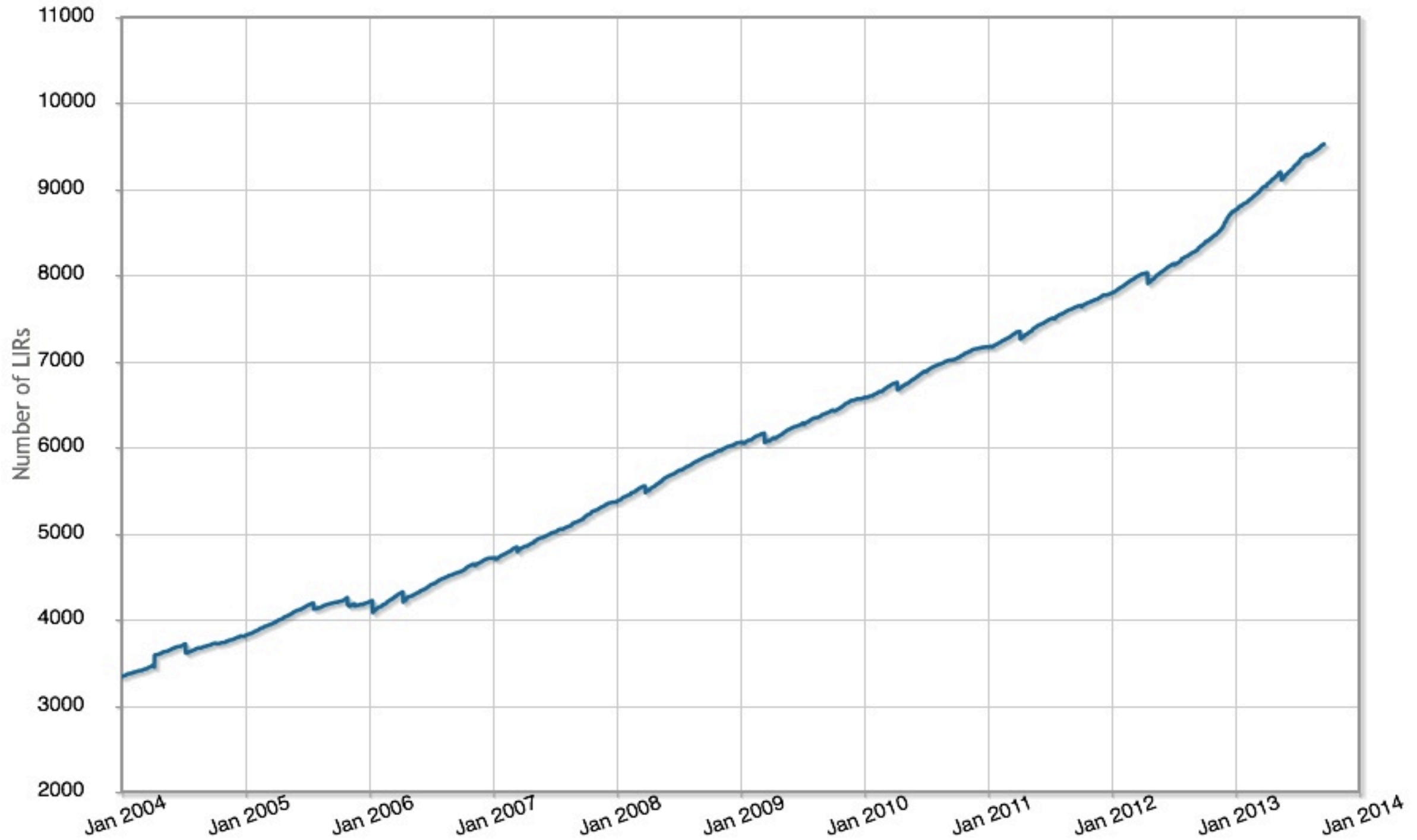
Registration Service Update

MENOG 13, Kuwait 23 September 2013

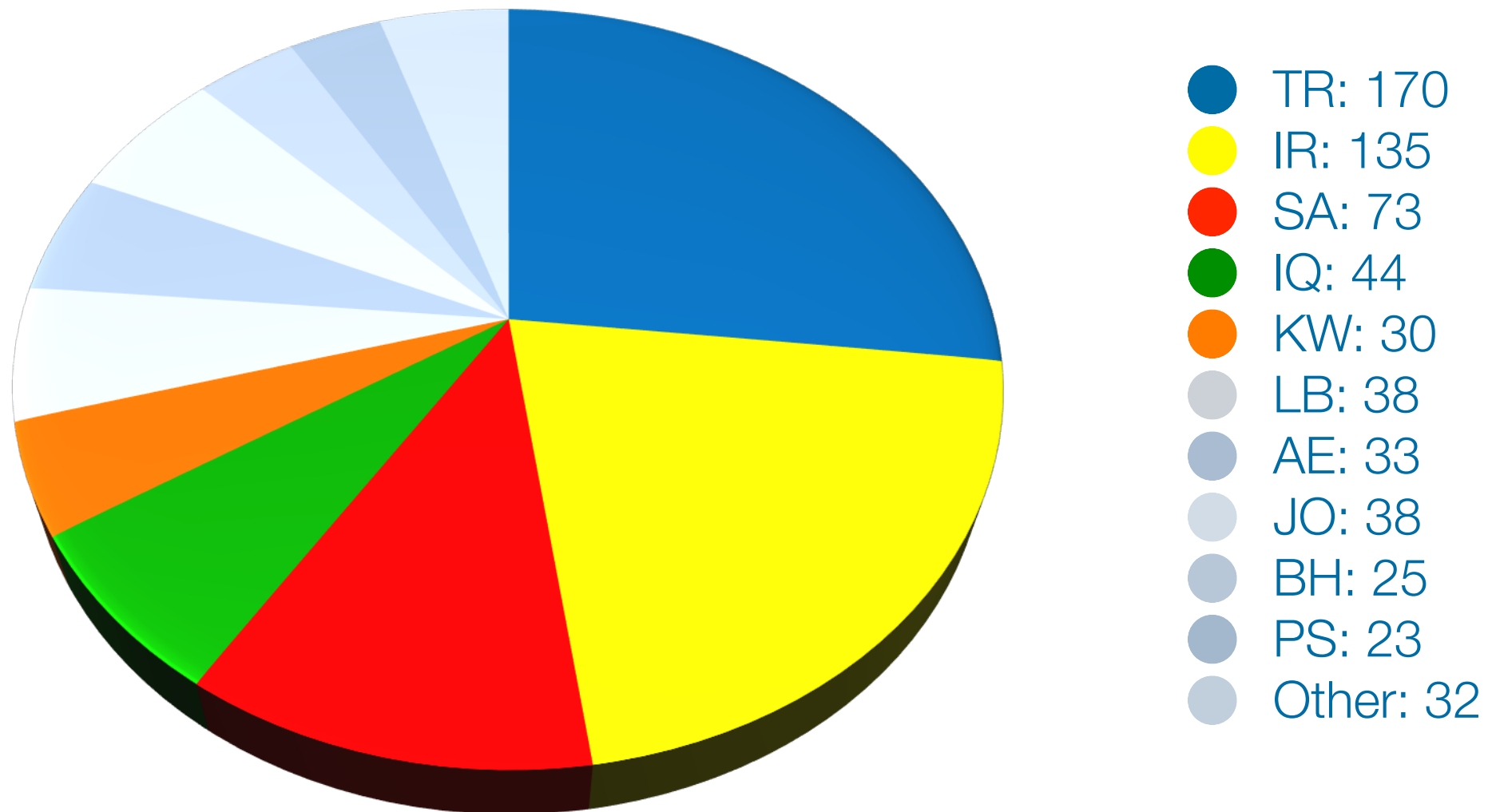
Marco Schmidt
IP Resource Analyst



9,500 RIPE NCC Members from 76 Countries



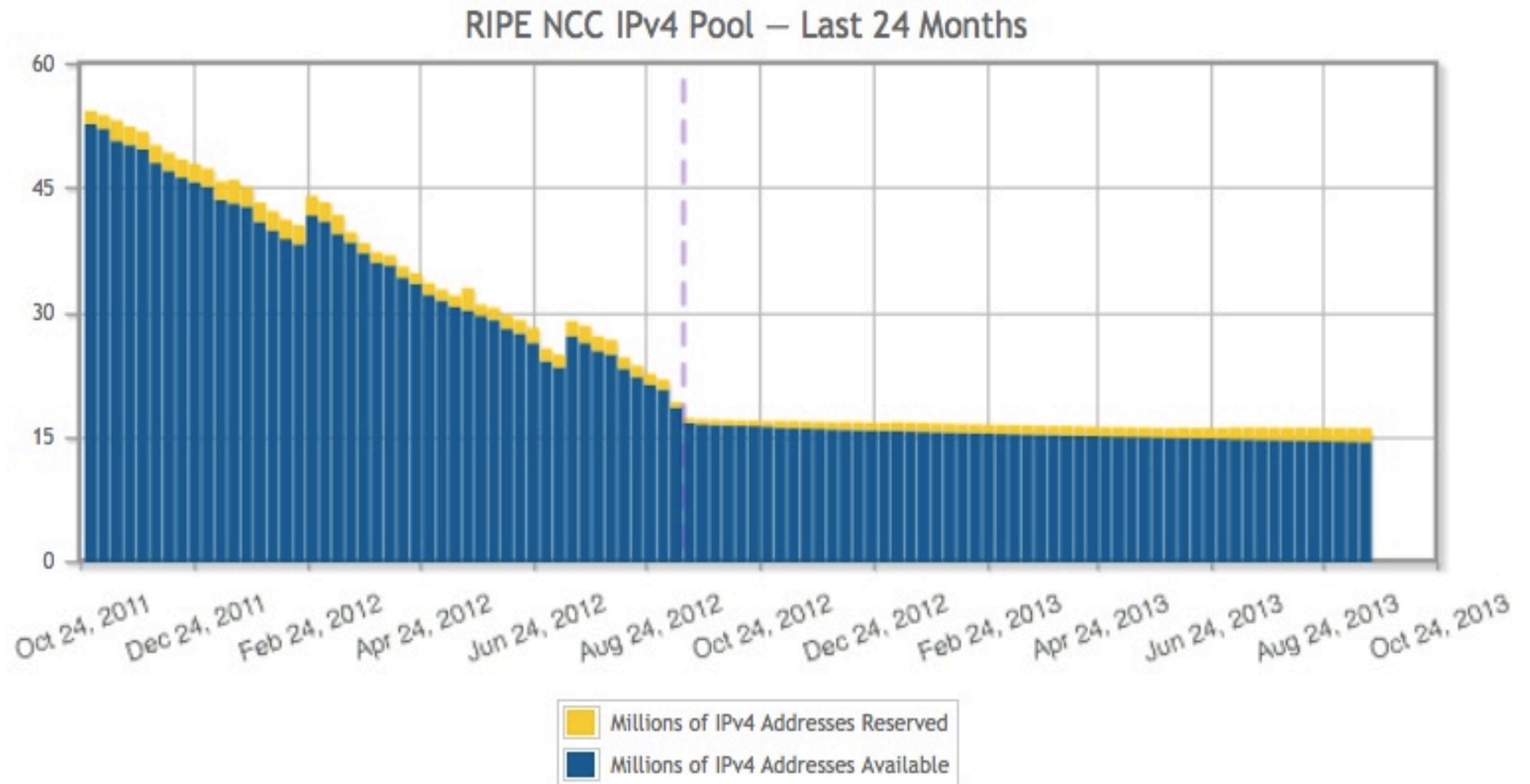
641 LIRs in the Middle East



Allocations From The Last /8

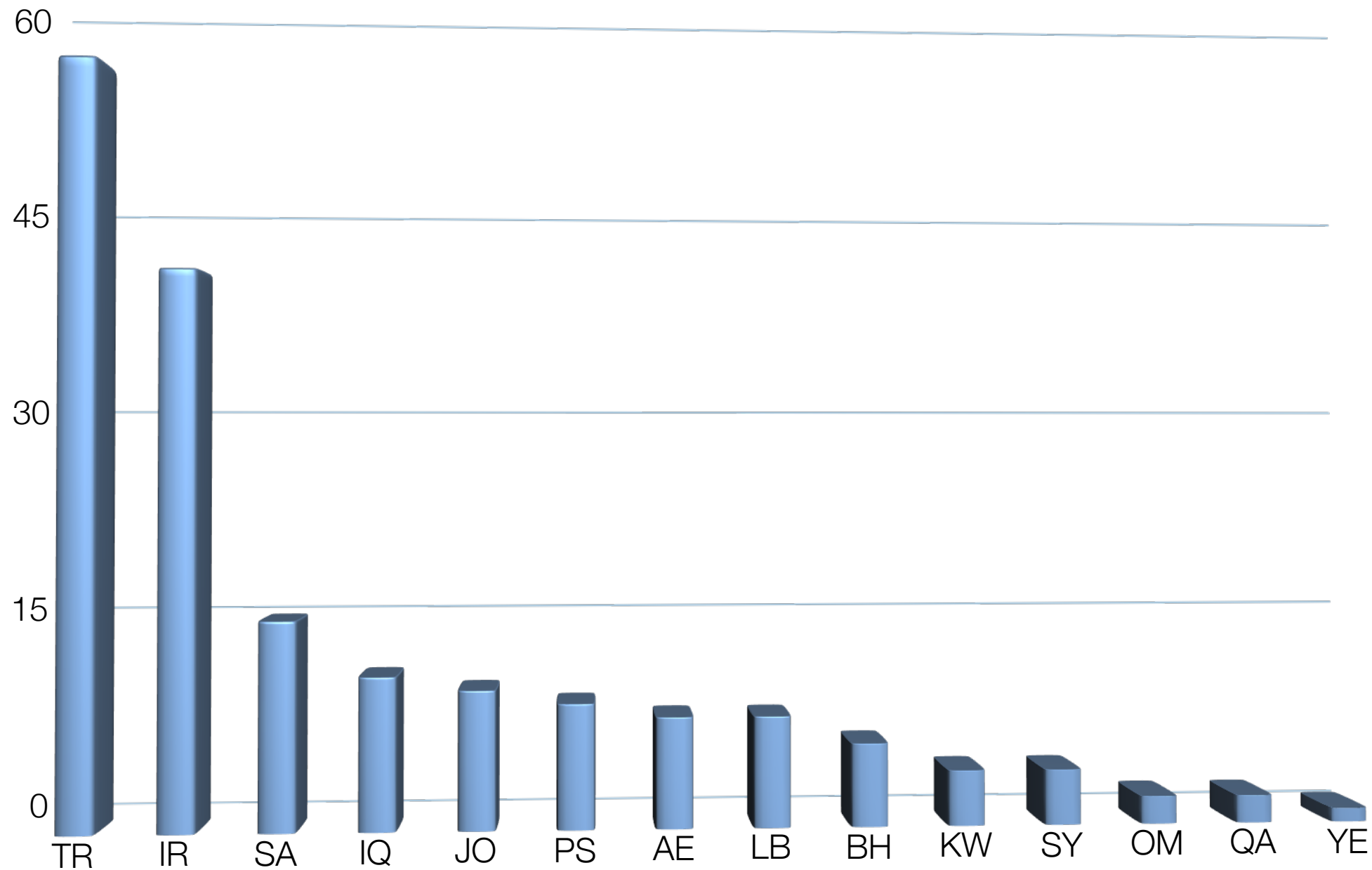
- The RIPE NCC reached the last /8 on 14 September 2012
- LIRs can receive one /22 (1,024 IPv4 addresses), even if they can justify a larger allocation
 - LIRs must already have an IPv6 allocation from an upstream LIR or the RIPE NCC
- No new IPv4 Provider Independent (PI) address space
- 2,154 /22s issued so far
- Address space set aside for IXP and temporary assignments

IPv4 Available Pool



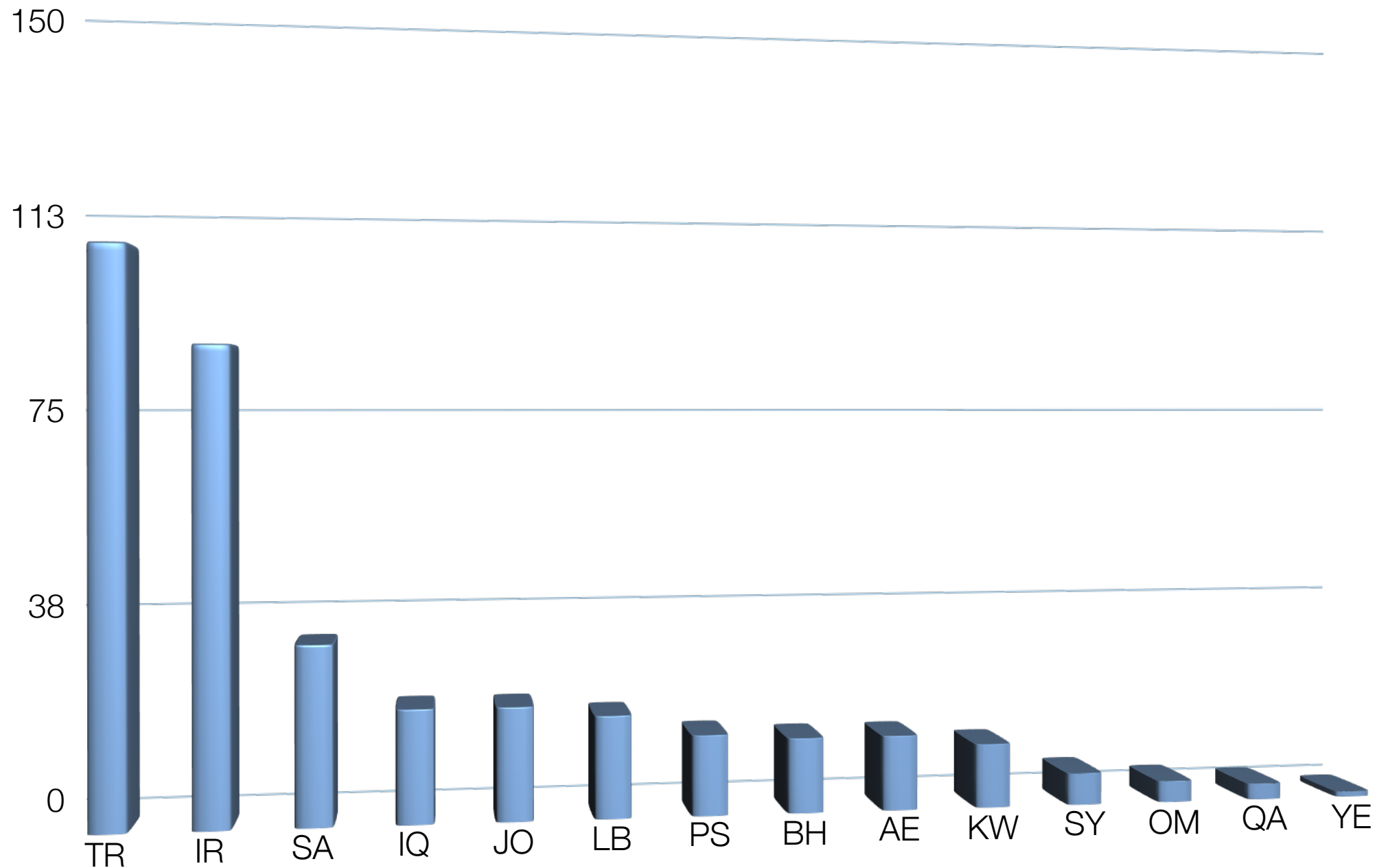
<https://www.ripe.net/internet-coordination/ipv4-exhaustion/ipv4-available-pool-graph>

/22 IPv4 Allocation – Regional Statistics



Total allocations: 173

IPv6 – Regional Statistics



Number of allocations: 357

Need More IPv4 Address Space?

- Three different types of intra-RIR transfers:
 - 1) Mergers and acquisitions
 - 2) “Normal” transfers of allocations
 - 3) Legacy space transfers
- An inter-RIR transfer policy proposal is currently under discussion that would allow transfers between regions with reciprocal policies

1) Mergers and Acquisitions

- If an organisation (or part of it) is being sold, the Internet number resources in use by 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 Provider Independent resources)
- Based on procedural document ripe-579

2) “Normal” Transfers of Allocations

- Policy requirements
 - Transfers between LIRs only
 - The IP addresses transferred must not be in use
 - Receiving LIR must justify need for IP addresses
 - Permanent or temporary
- Documentation requested:
 - Signed RIPE NCC Transfer Agreement
 - Company registration papers for both parties
 - RIPE NCC additional allocation (pre)approval for receiver
- Based on ripe-582, section 5.5

3) Legacy Space Transfers

- IPv4 address space that was distributed prior to the formation of the Regional Internet Registry (RIR) system
- The RIPE NCC is able to support transfers of legacy space when this is covered by a “Legacy Space Agreement”
- The RIPE NCC is not involved in the transfer when the legacy resources are not covered by a “Legacy Space Agreement”

IPv4 Transfer Listing Service

- Enables LIRs looking to transfer allocations to find receiving parties
- LIRs can also request resources
- Member-only service through the LIR Portal
- The RIPE NCC has no interest in financial transactions
- Transfers must follow transfer policy in ripe-582, section 5.5
- Currently 316,416 IPs offered vs 16,328,704 requested

My LIR

- [Home](#)
- [General Information](#)
- [Billing Details](#)
- [LIR Contacts](#)
- [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](#)

Tools

- [Tickets](#)
- [Training](#)
- [E-Learning](#)

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, as described in "IPv4 Address Allocation and Assignment Policies for the RIPE NCC Service Region". More information about transfers of IPv4 address space is available in the [FAQ](#).

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 specify the [allocation size](#).

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

[Click here to offer IPv4 address space](#)

[Edit existing offer](#)

[Click here to request IPv4 address space](#)

[Edit existing request](#)

Offered IPv4 Addresses

[▶ /16 \(2\)](#)

[▶ /17 \(2\)](#)

[▶ /18 \(4\)](#)

[▶ /19 \(3\)](#)

[▶ /20 \(4\)](#)

[▶ /21 \(10\)](#)

[▶ /22 \(1\)](#)

Requested IPv4 addresses

[▶ /9 \(1\)](#)

[▶ /12 \(5\)](#)

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

190

Update details

Requested IP Allocation

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

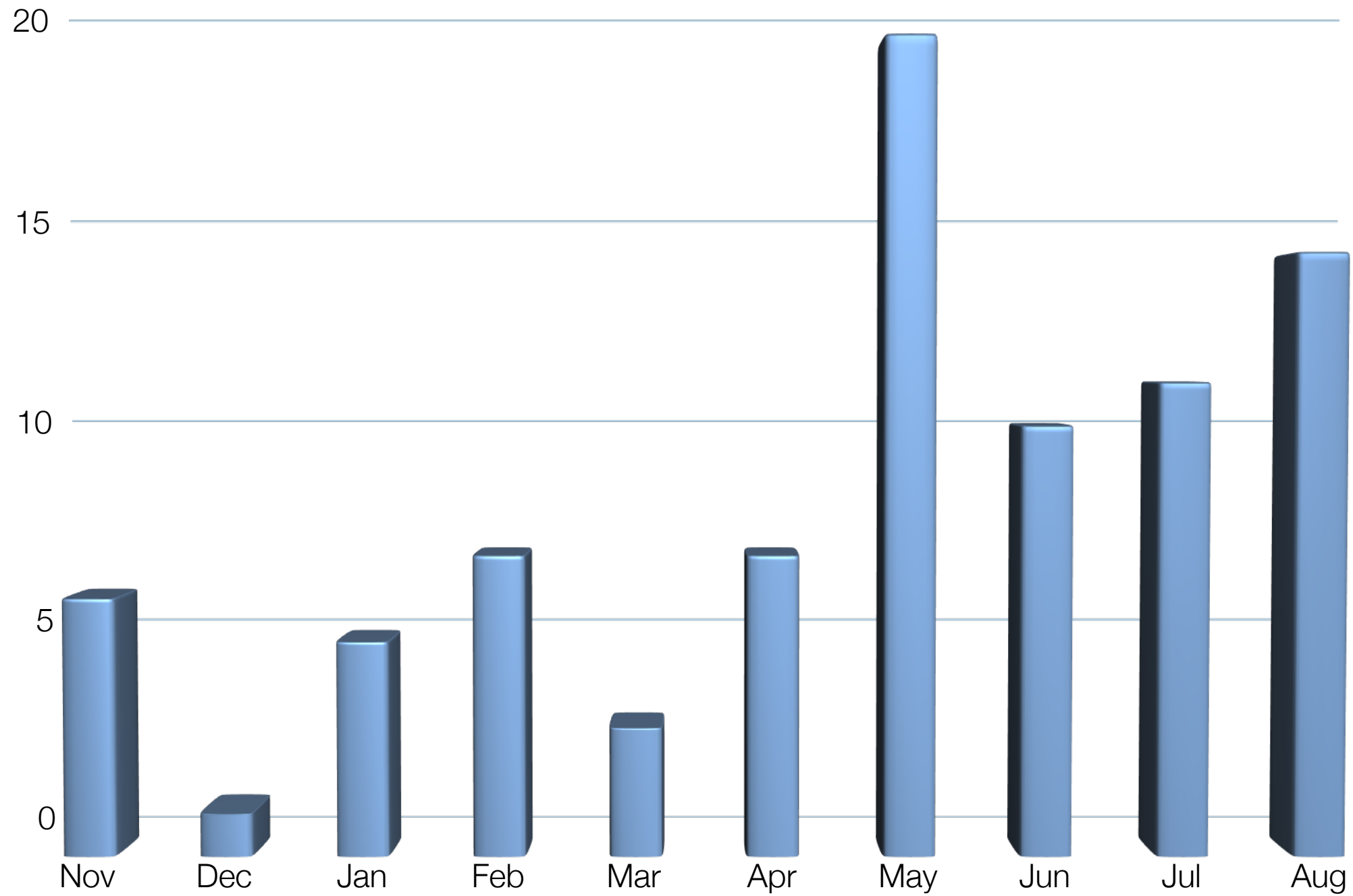
Allocation size

Transfer duration Temporary
 Permanent

Publish

Feedback

Transferred Allocations



Recent Policy Changes (1)

- IPv4 Transfer Statistics

- Accepted policy proposal 2012-05, “Transparency in Address Block Transfers”
- To increase the transparency of the transfer market for IPv4 addresses
- RIPE NCC to publish a record of all transfers conducted under the transfer policy
- Non-approved transfers published as aggregate statistics

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

Recent Policy Changes (2)

- “Revert “Run Out Fairly””
 - Policy proposal 2012-06
 - This proposal reverts the changes made by “Run Out Fairly”
 - Was 3 months allocation / assignment period
 - New allocation / assignment periods
 - 12 months allocation
 - 50% assignment utilisation after 12 months

Current Transfer Policy Proposals (1)

- “Policy for Inter-RIR Transfers of IPv4 Address Space”
 - Policy proposal 2012-02
 - This proposal describes how transfers of IPv4 address space between LIRs of different Regional Internet Registries will occur
 - Section 5.5 applies
 - Need for policy compliance between RIRs:
 - Originating party complies with policy of originating RIR
 - Destination party complies with policy destination RIR
 - RIRs must have “compatible” as well as reciprocal policies
 - Status: Review Phase – awaiting Working Group Chair decision

Current Transfer Policy Proposals (2)

- “No Restrictions on End User Assignments in Intra-RIR Transfers”
 - Policy proposal 2013-05
 - Remove requirement that an allocation to be transferred must not contain any block that is assigned to an End User
 - IP addresses in use can be re-allocated
 - End Users that become an LIR can move their address block to their own account
 - Status: Discussion Phase – awaiting documentation

Current (Transfer) Policy Proposals (3)

- “No Need – Post-Depletion Reality Adjustment and Cleanup”
 - Policy proposal 2013-03
 - Remove needs-based requirement for IPv4 delegations
 - Status: Review Phase
- “RIPE NCC Services to Legacy Internet Resource Holders”
 - Policy proposal 2012-07
 - Status: Review Phase

Where Does The RIPE NCC Stand?

- Our ultimate priority is keeping the registry up to date
- Ensuring that transfers follow RIPE Policy
- Supporting our members through the transfer process
- The RIPE NCC has no interest in financial transactions

What's Next?

- Increasing transparency
 - New transfer section on website (accessible from the homepage)
- Listing “recognised brokers” on the website
 - Brokers who have signed an agreement to follow RIPE Policies
- Simplifying the transfer process
 - One single transfer form in the LIR Portal (upcoming)

Participate in Discussions

- Address Policy Working Group:

<http://www.ripe.net/mailman/listinfo/address-policy-wg>

Links

- <http://www.ripe.net/lir-services/resource-management/ipv4-transfers>
- <https://www.ripe.net/ripe/docs/ripe-553#----transfers-of-allocations>
- <https://www.ripe.net/lir-services/resource-management/ipv4-transfers/transfer-of-pa-space>
- <https://www.ripe.net/lir-services/resource-management/listing>
- <https://www.ripe.net/ripe/policies/current-proposals/current-policy-proposals>

Questions?

