



Statistics and Policy Update

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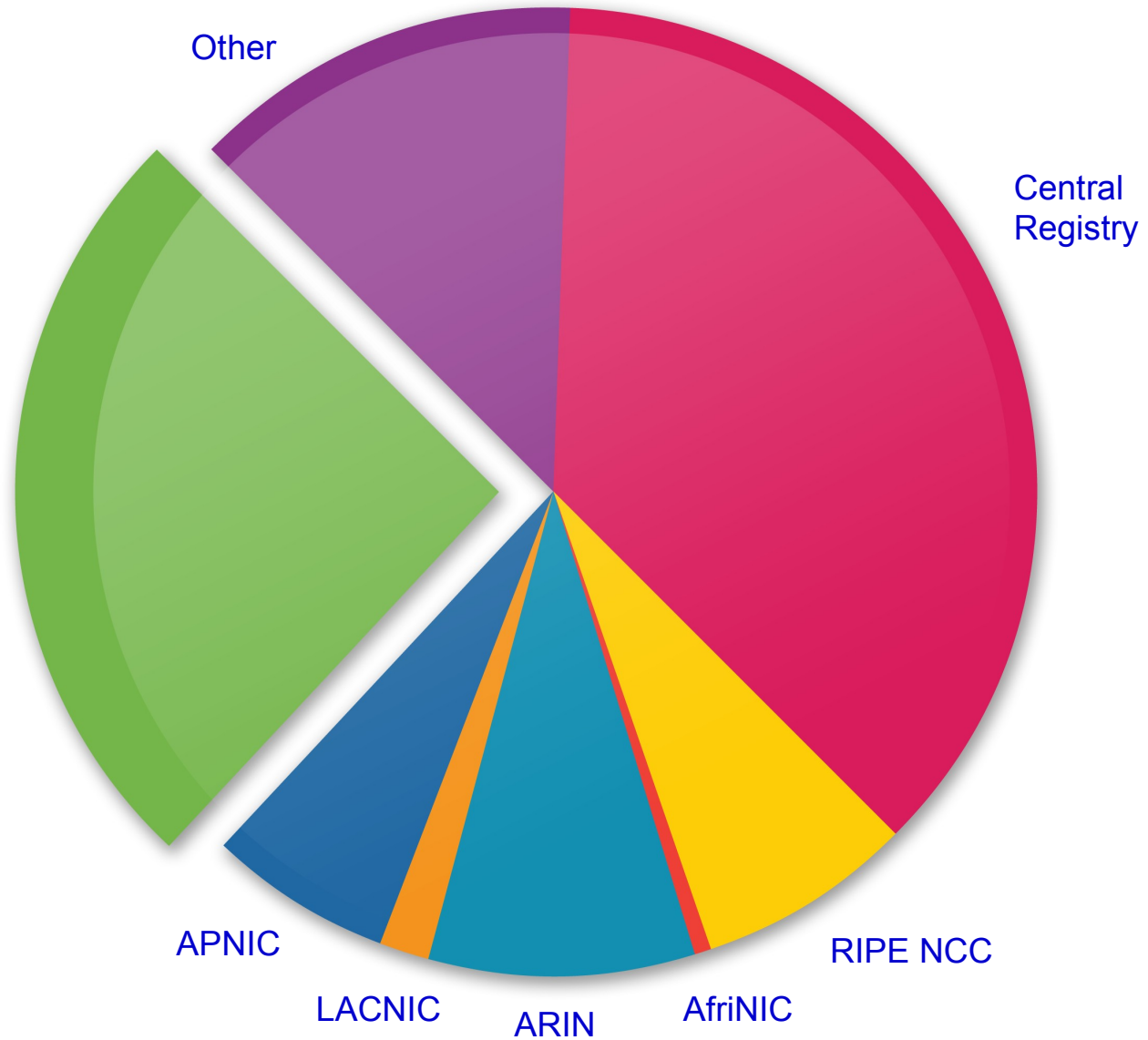
Overview

- Statistics
 - Internet Number Resources
 - IPv4
 - IPv6
- Policy
 - RIPE Update
 - Worldwide View for Focused Topic
 - IPv4 & Exhaustion



IPv4 Address Pool - June 2005

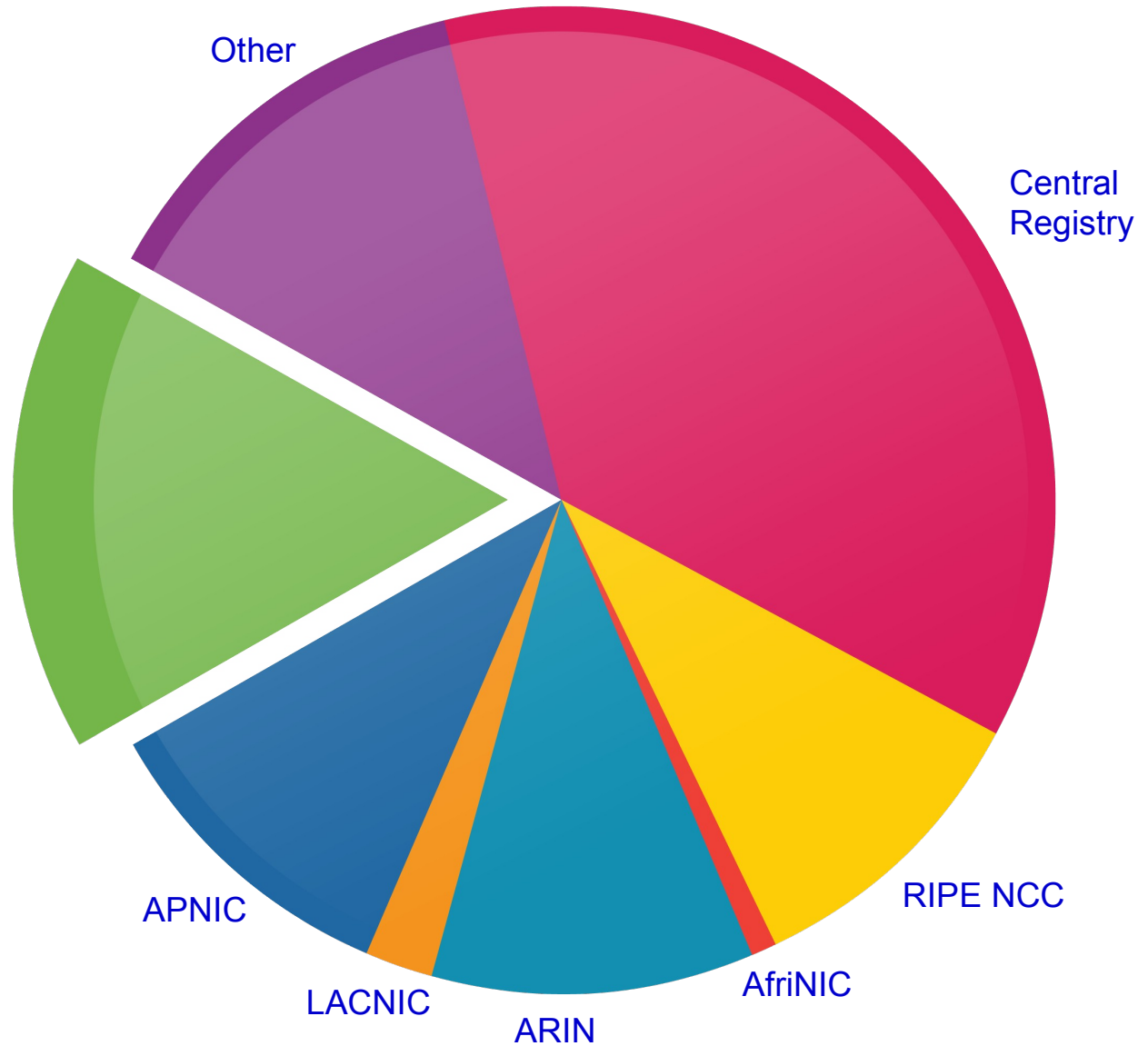
25%
available





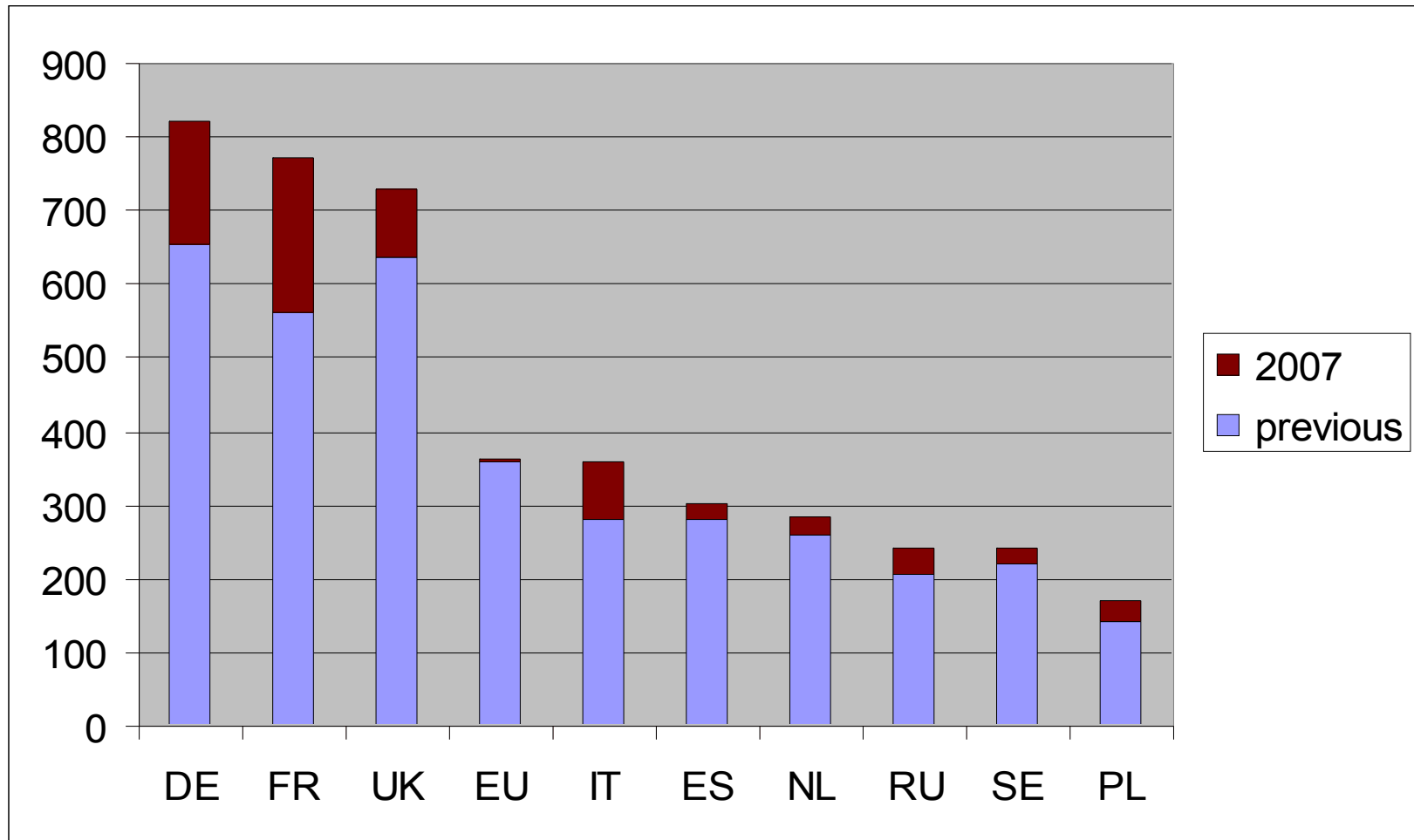
IPv4 Address Pool - Now

16%
available



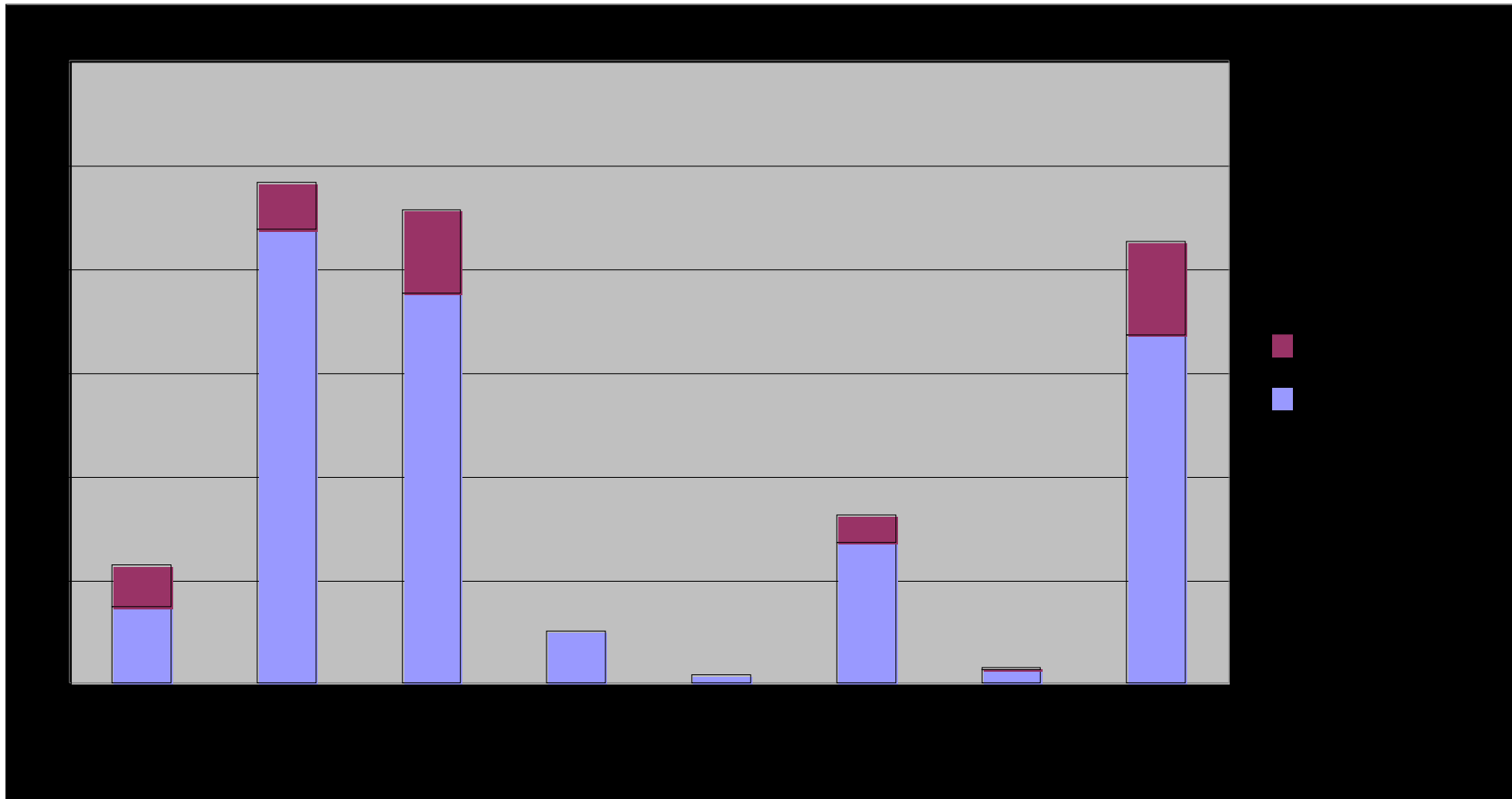
source: <http://potaroo.net>

IPv4 Address space per country



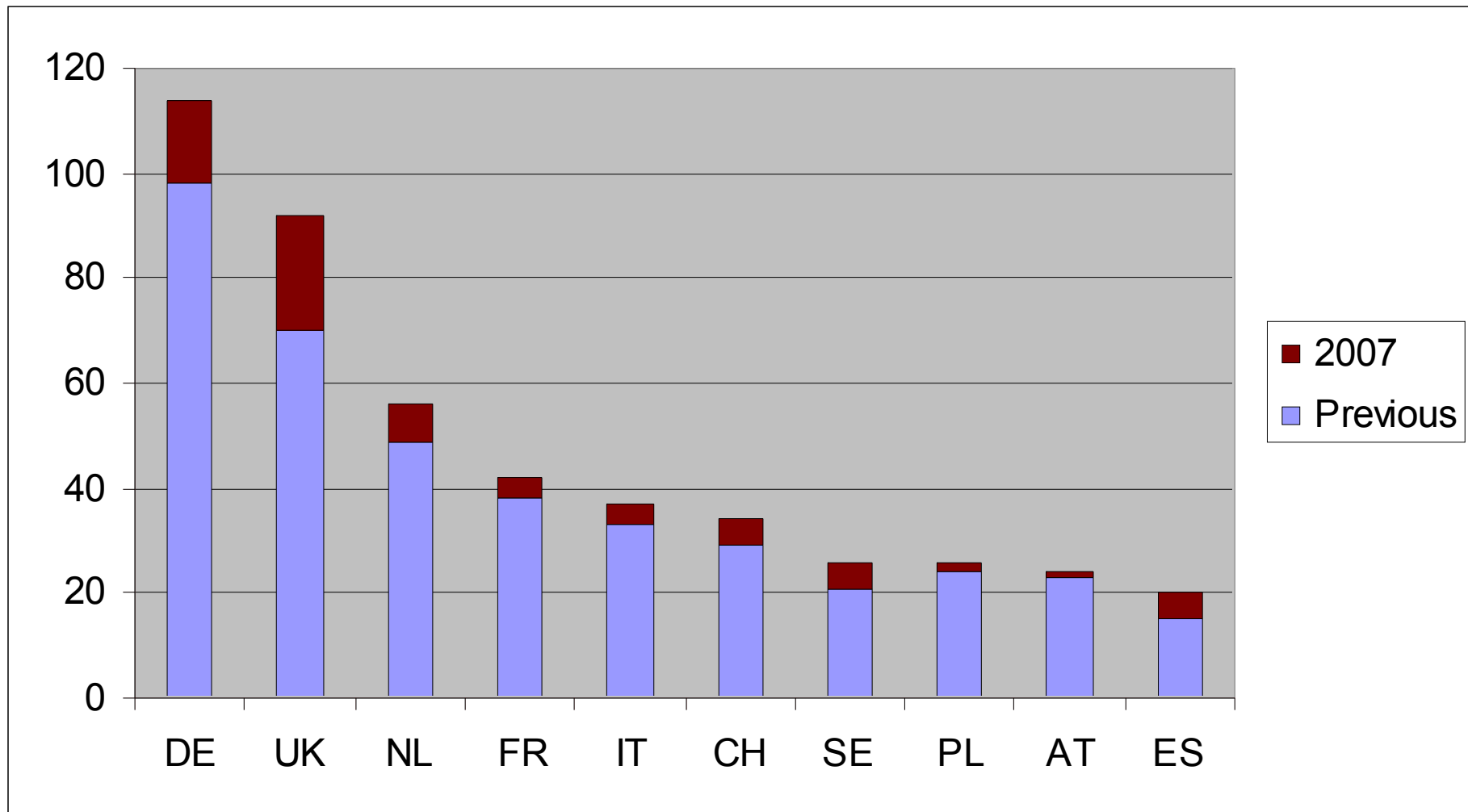
Counted in /16s

IPv4 – Regional statistics



Counted in /16s

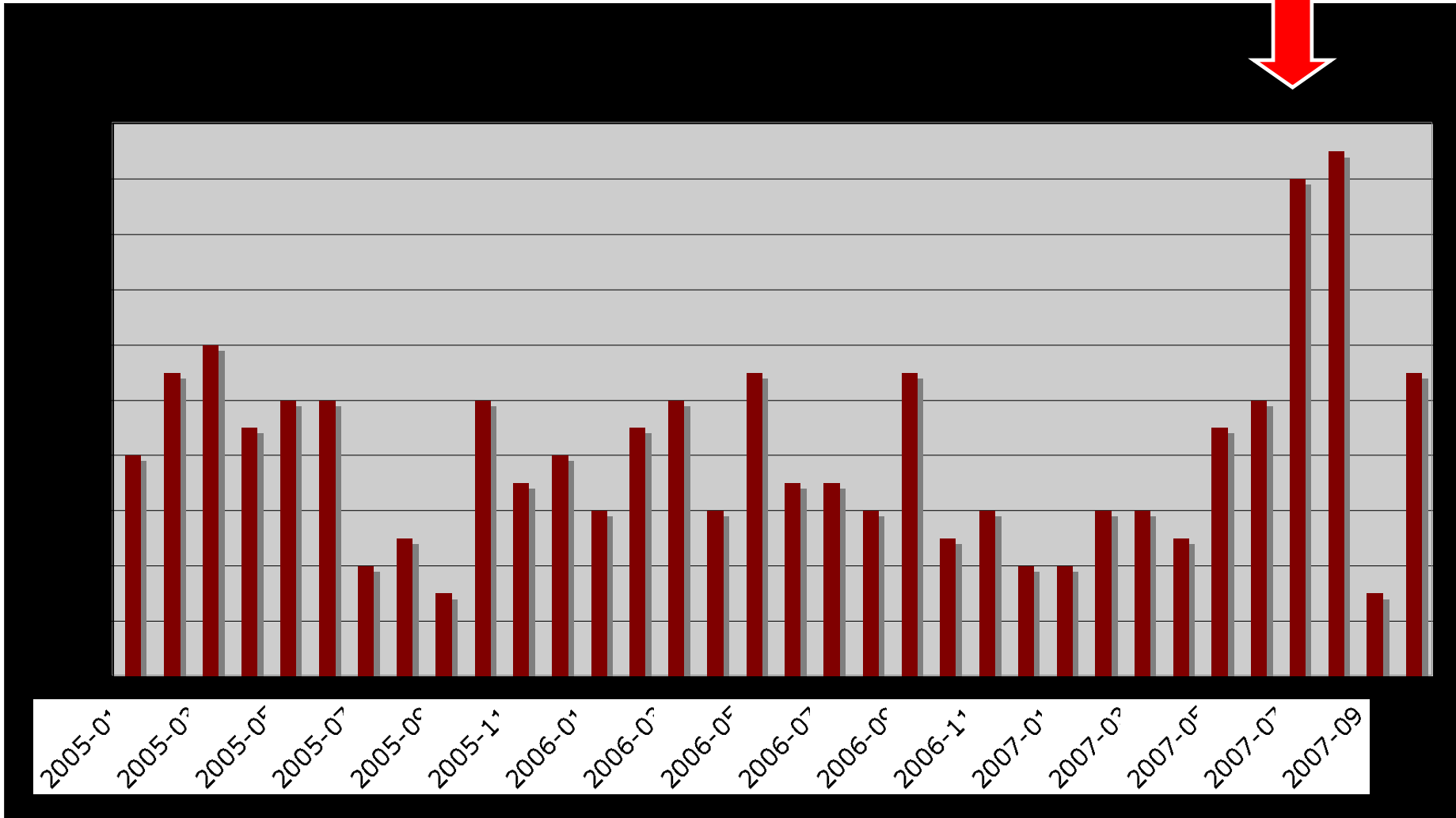
IPv6 Allocations per country



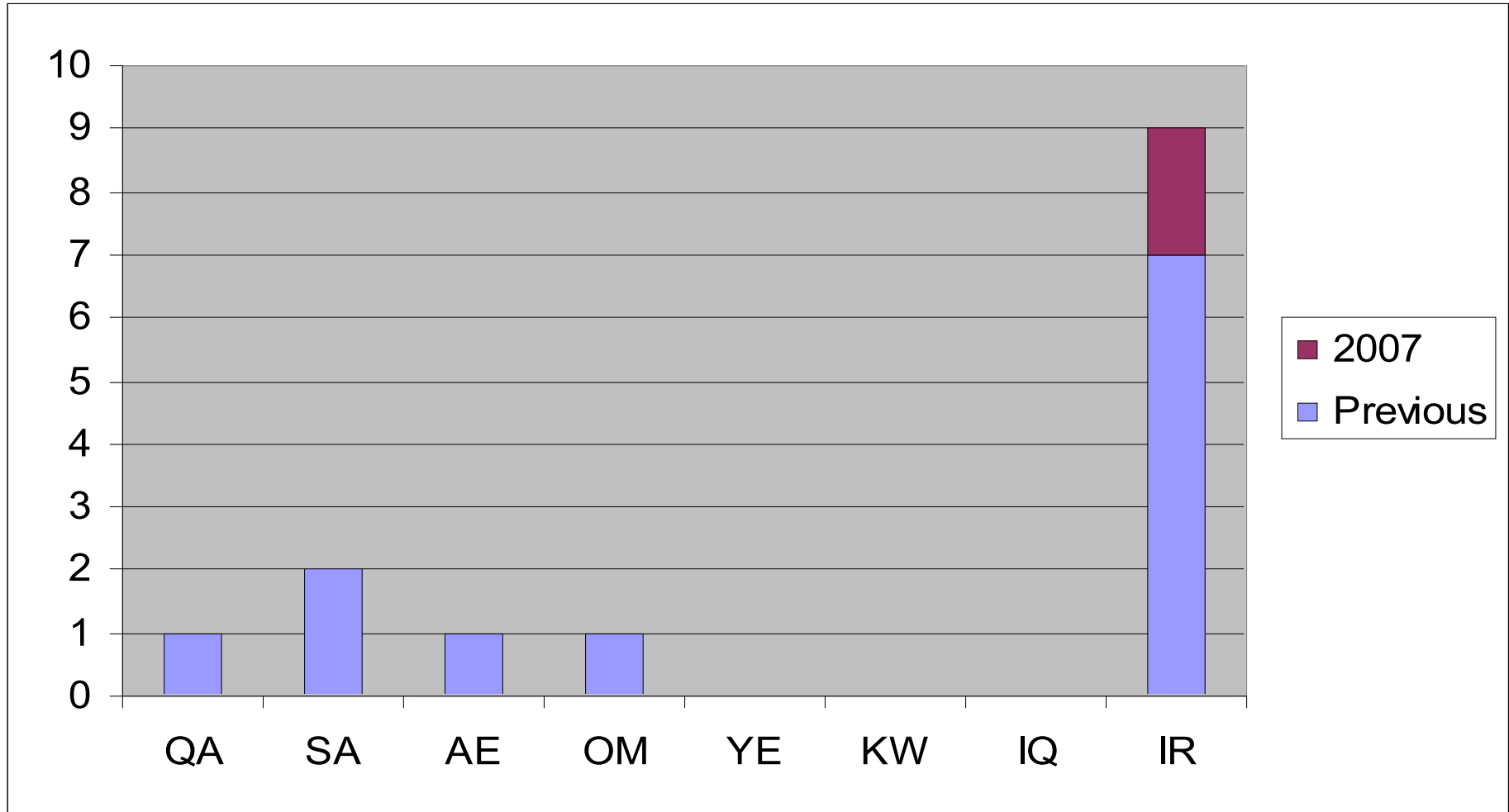
Number of allocations shown

IPv6 – Allocations per month

**NEW
POLICY!**

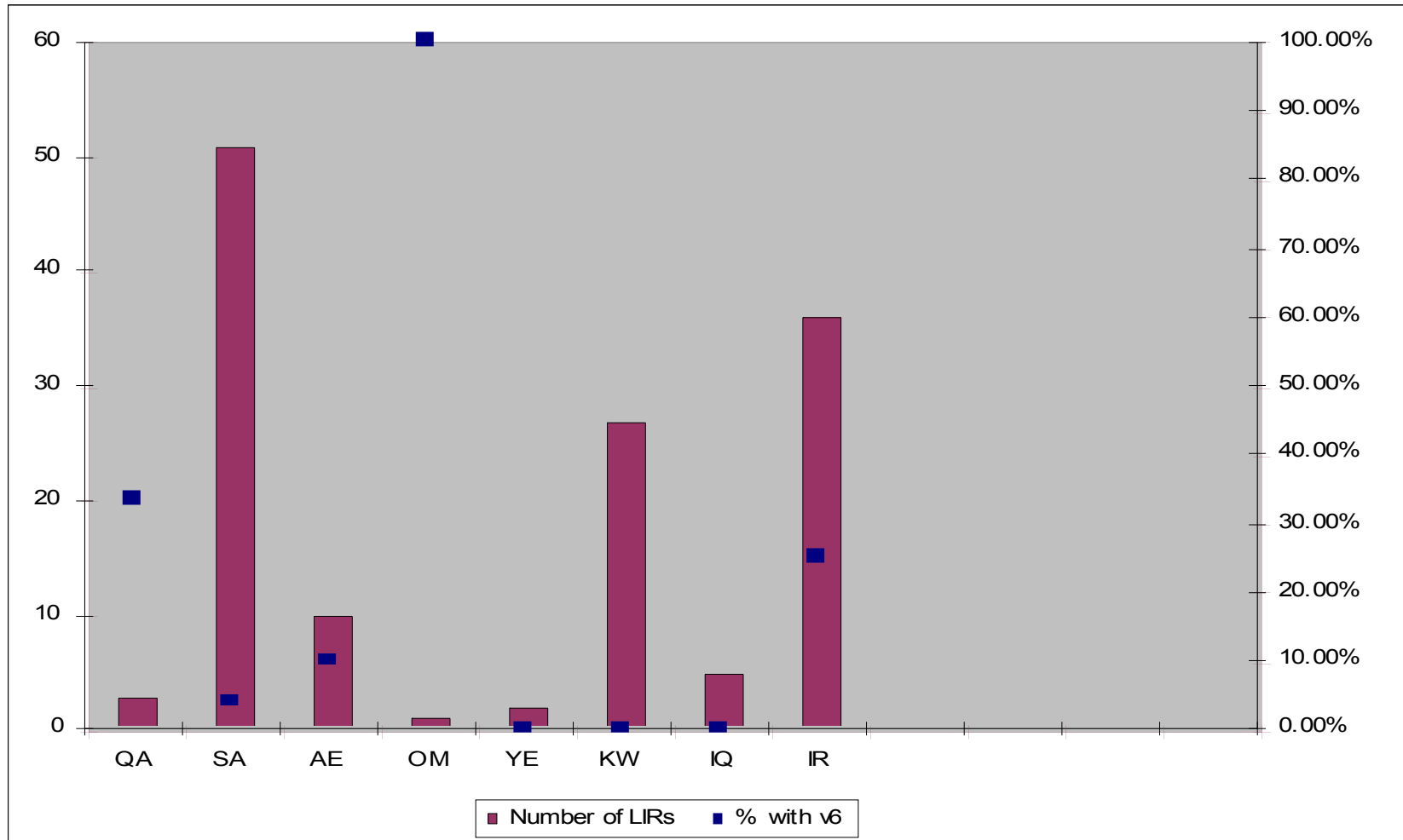


IPv6 – Regional Statistics



Number of allocations shown

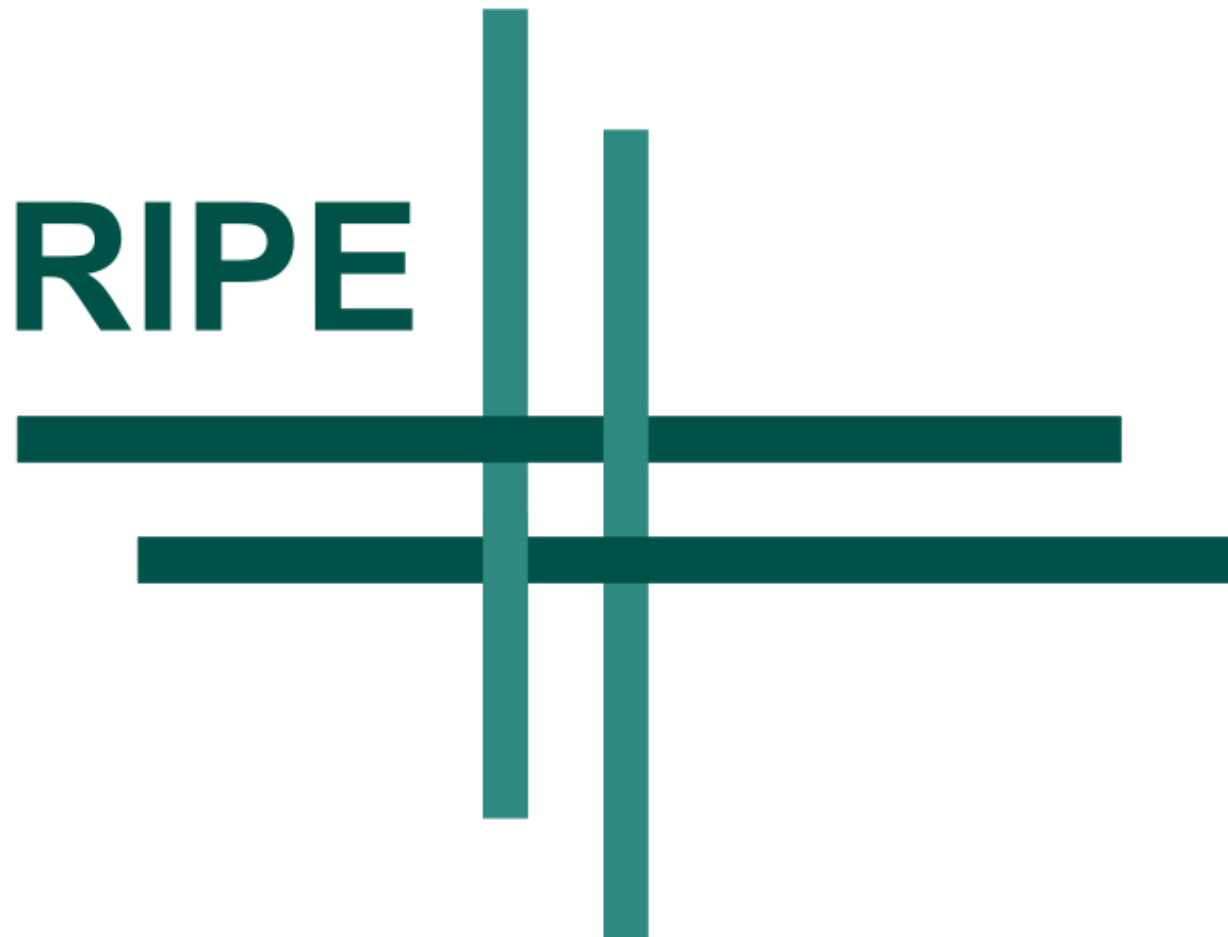
IPv6 - Regional Statistics



% of LIRs with an IPv6 allocation



Policy Update





RIPE Policy Update - Recently Accepted

- IPv4 Maximum Allocation Period (2006-06)
- First Raise in IPv4 Assignment Window Size (2006-07)
- IPv6 Address Allocation and Assignment Policy (2006-02)
- IANA Policy for Allocation of ASN Blocks to RIRs (2007-04)
- Proposal to Amend the IPv6 Assignment and Utilisation Requirement Policy (2005-08)



RIPE Policy Update - Ongoing

- Provider Independent (PI) IPv6 Assignments for End User Organisations (2006-01)
- PI Assignment Size (2006-05)
- IPv6 ULA-Central (2007-05)
- Direct Internet Resource Assignments to End Users from the RIPE NCC (2007-01)
- Global Policy for the Allocation of the Remaining IPv4 Address Space (2007-06)
- End Policy for IANA IPv4 Allocations to RIRs (2007-07)
- Enabling Methods for Reallocation of IPv4 Resources (2007-08)

Worldwide Look by Topic





Worldwide Look - IPv4

- 12 Month Allocation Period
 - Adopted in AfriNIC, LACNIC and RIPE
 - Moved to Last Call in ARIN



Worldwide Look - IPv4 Exhaustion - Global

- End Policy for IANA IPv4 Allocations to RIRs and Global Policy for the Allocation of the Remaining IPv4 Address Space
 - Two similar proposals in all regions
 - Distribute the last 5 /8s evenly among RIRs (N=1) OR
 - Distribute the last 10 /8s evenly among RIRs (N=2)
 - AfriNIC and LACNIC rough consensus for N=2
 - APNIC and ARIN will further discuss N=1
 - RIPE discussing both
- Globally-coordinated-RIR-pie-IPv4
 - Proposed in ARIN (yet)
 - Describing a new allocation method until there are 5 /8s left in IANA pool



Worldwide Look - IPv4 Exhaustion

- Soft Landing
 - Only in ARIN (yet)
 - Proposer to work on edits
 - Stricter regional policies for IPv4 allocation criteria
- IPv4 Transfers
 - Similar proposals under discussion in APNIC and RIPE
- Cooperative distribution of the end of the IPv4 free pool
 - Sent to several RIR lists



Stay Aware and Participate

- Subscribe to policy-announce@ripe.net
 - Announcements only mailing list
 - Updates only sent when the status of a proposal changes
 - <http://www.ripe.net/mailman/listinfo/policy-announce>
- Subscribe to address-policy-wg@ripe.net
 - Discussions mailing list
 - Address related policy making WG
 - <http://www.ripe.net/ripe/wg/address-policy/index.html>



Policy Proposal Archives

- **AfriNIC:**
<http://www.afrinic.net/policy.htm>
- **ARIN:**
http://www.arin.net/policy/proposals/proposal_archive.html
- **APNIC:**
<http://www.apnic.net/docs/policy/proposals/archive.html>
- **LACNIC:**
<http://lacnic.net/en/politicas/propuesta-politicas.html>
- **RIPE:**
<http://www.ripe.net/ripe/policies/proposals/>
- **RIR Comparative Policy Overview:**
<http://www.ripe.net/info/resource-admin/rir-comp-matrix-rev.html>

Questions?

