



Getting IPv6

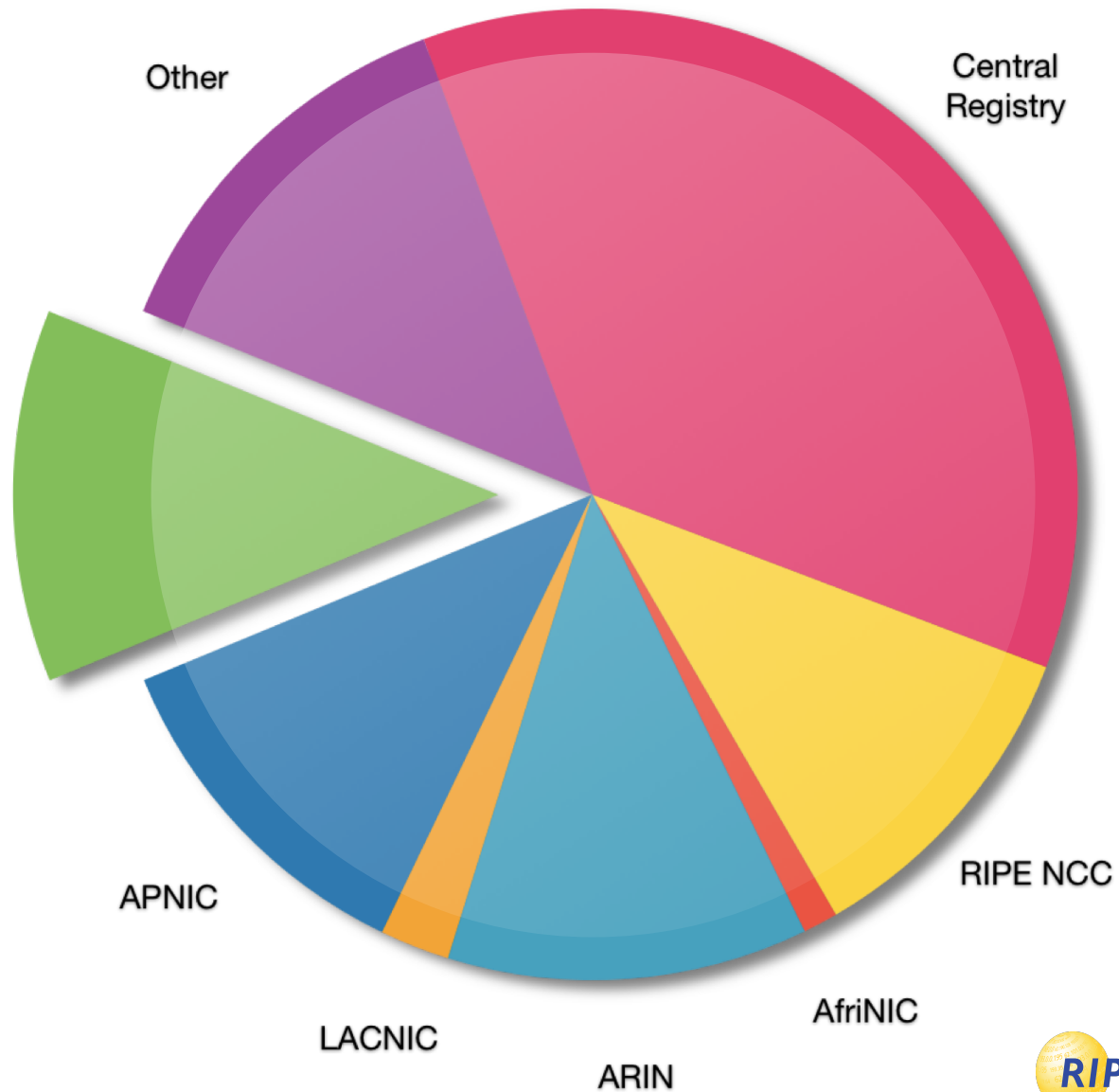
LINX IPv6 Workshop
13 March 2009

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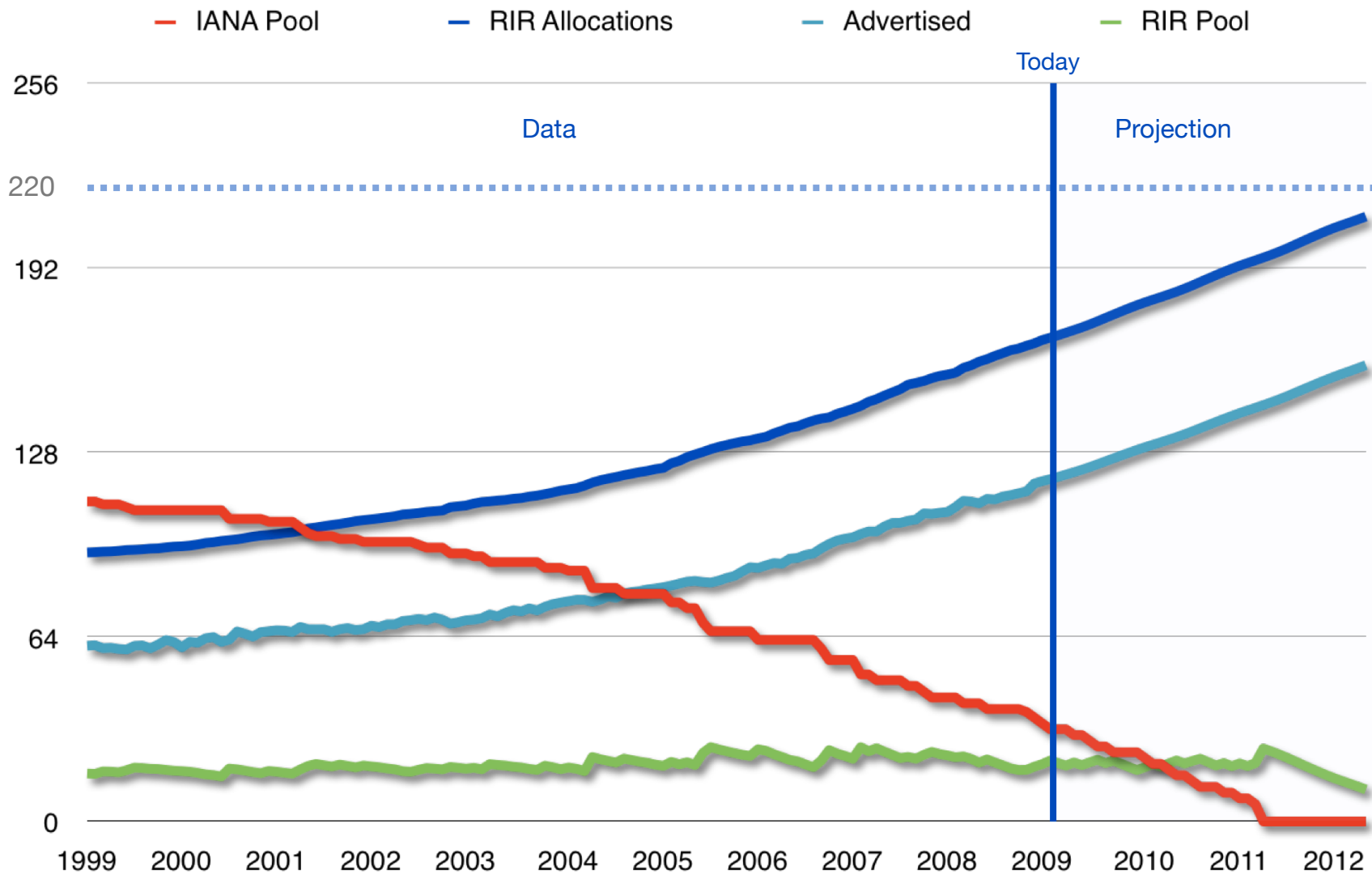


IPv4 Address Pool

12%
available



IPv4 Pool - The Future



Remove Obstacles to IPv6

Proposal 2006-02: IPv6 Allocation Policy

IPv6 Allocation criteria altered

No more requirement for assignments to *others*

No more requirement for 200 customers

New End Site definition

LIRs internal assignments count as End Site

LIRs: Plan to make sub-allocations to others or assignments to End Sites

Proposal 2006-01: IPv6 for End Users

Provider Independent Address Space

Moving towards consensus

Getting an IPv6 allocation

To qualify, an organisation must:

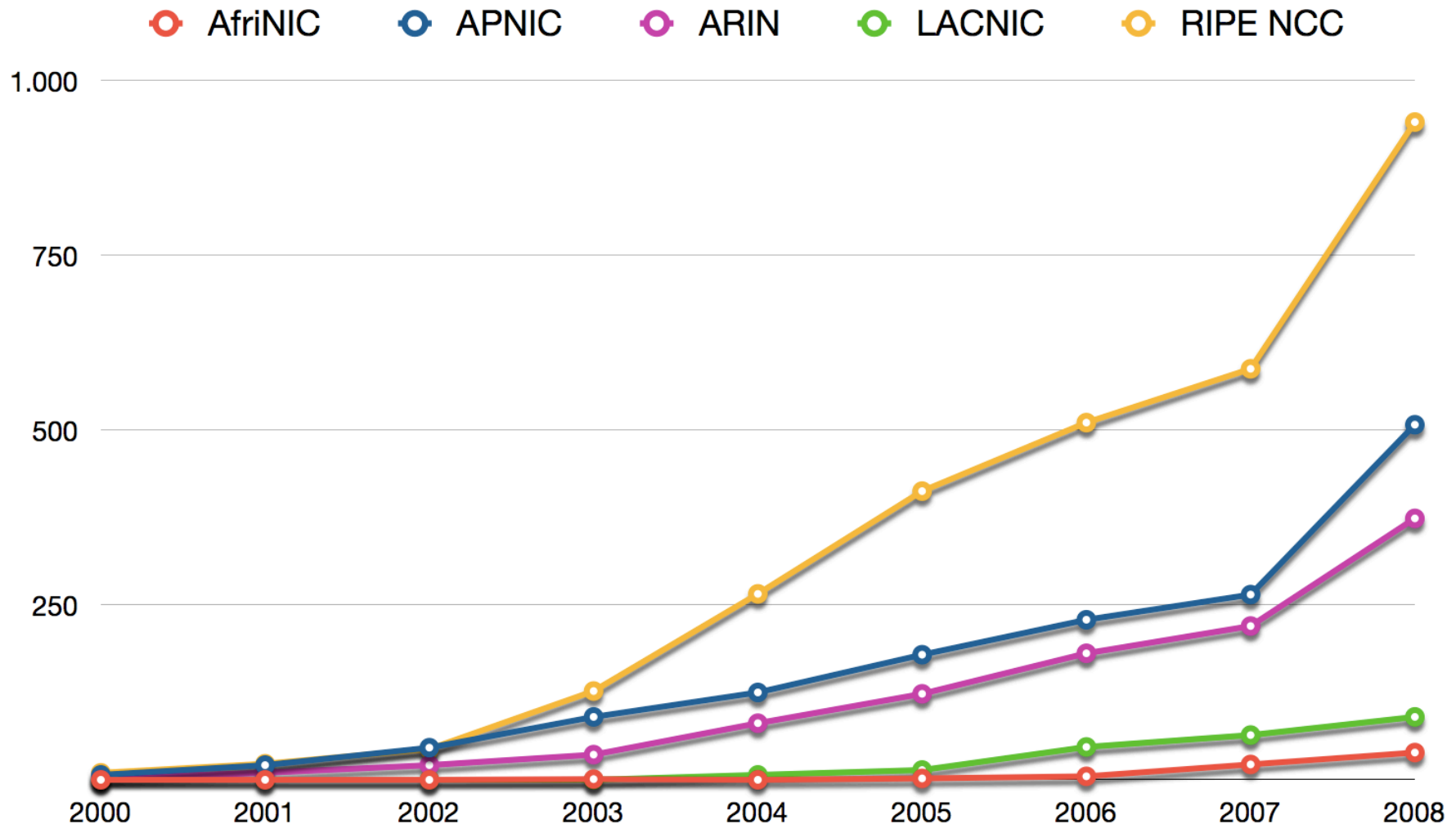
Be an LIR

Advertise the allocation as a single prefix

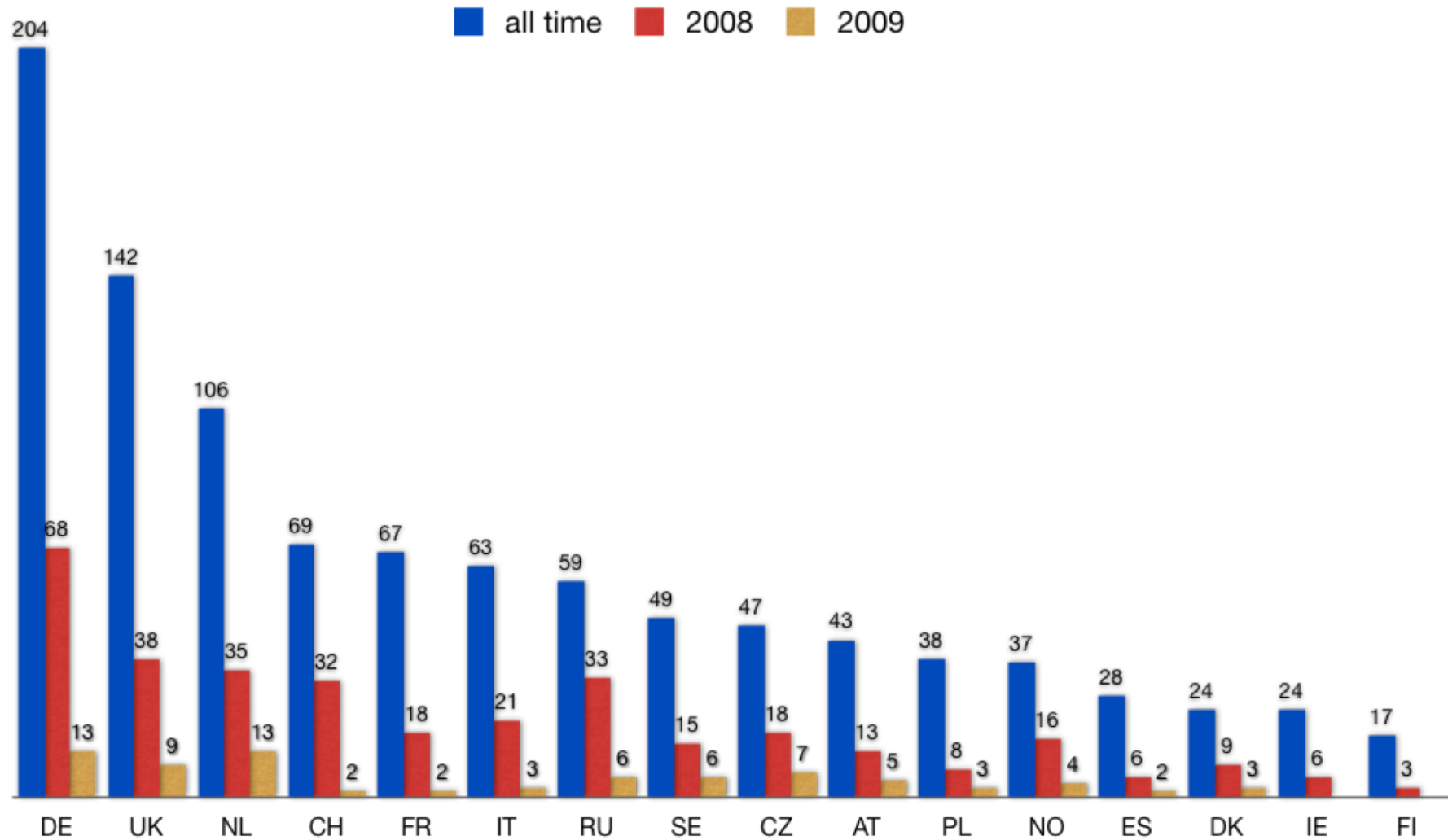
Have a plan for making assignments within two years

Minimum allocation size /32

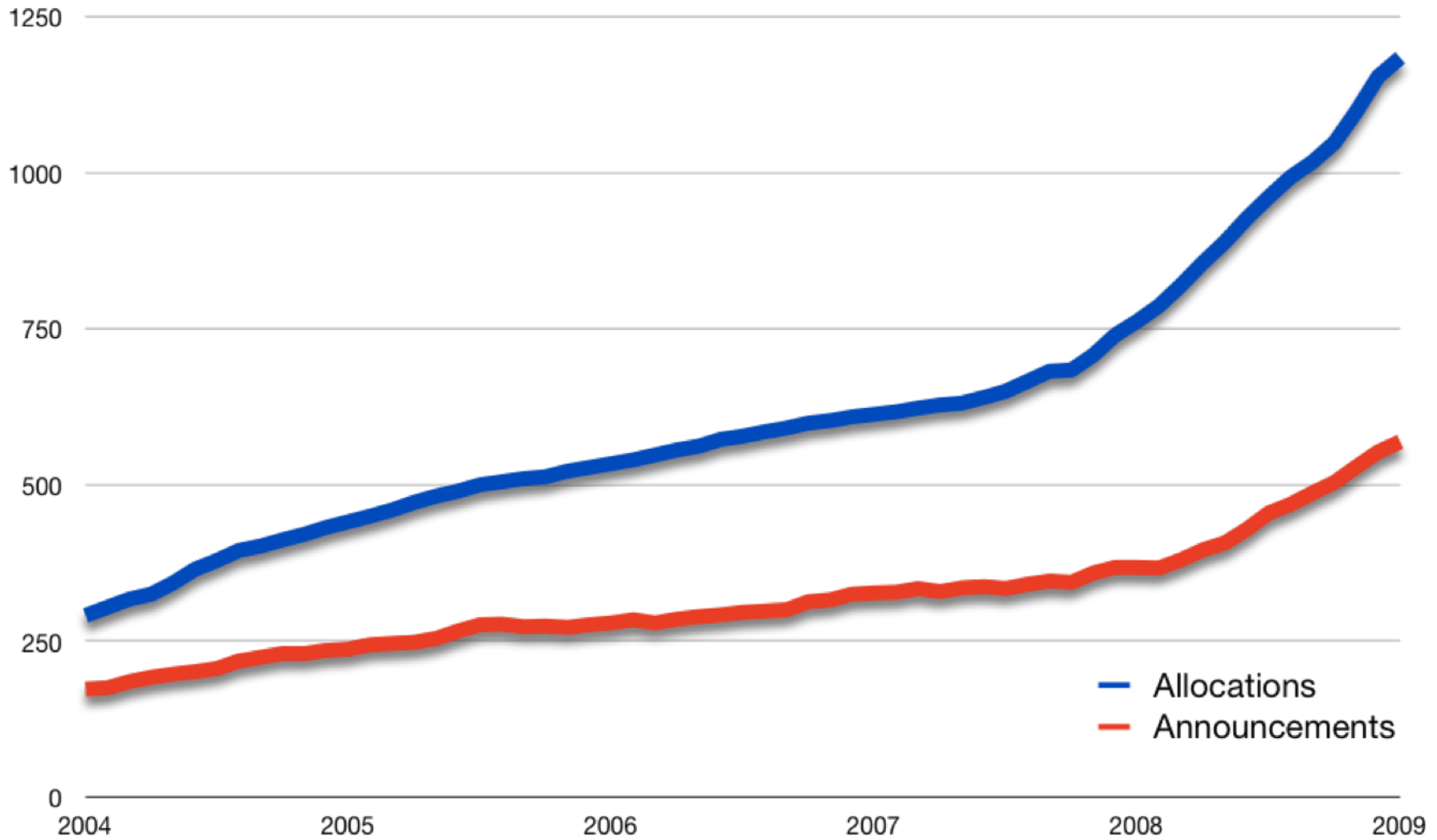
IPv6 Allocations



IPv6 Allocations per Country



IPv6 Routing



RIPE Region Specific

Direct Internet Resource Assignments to End Users from the RIPE NCC (2007-01)

Contractual relationship for all independent number resources to an End User

Have a contract with

- a sponsoring LIR or
- the RIPE NCC

Applies to previously made assignments

Legacy (pre-RIR) space is excluded

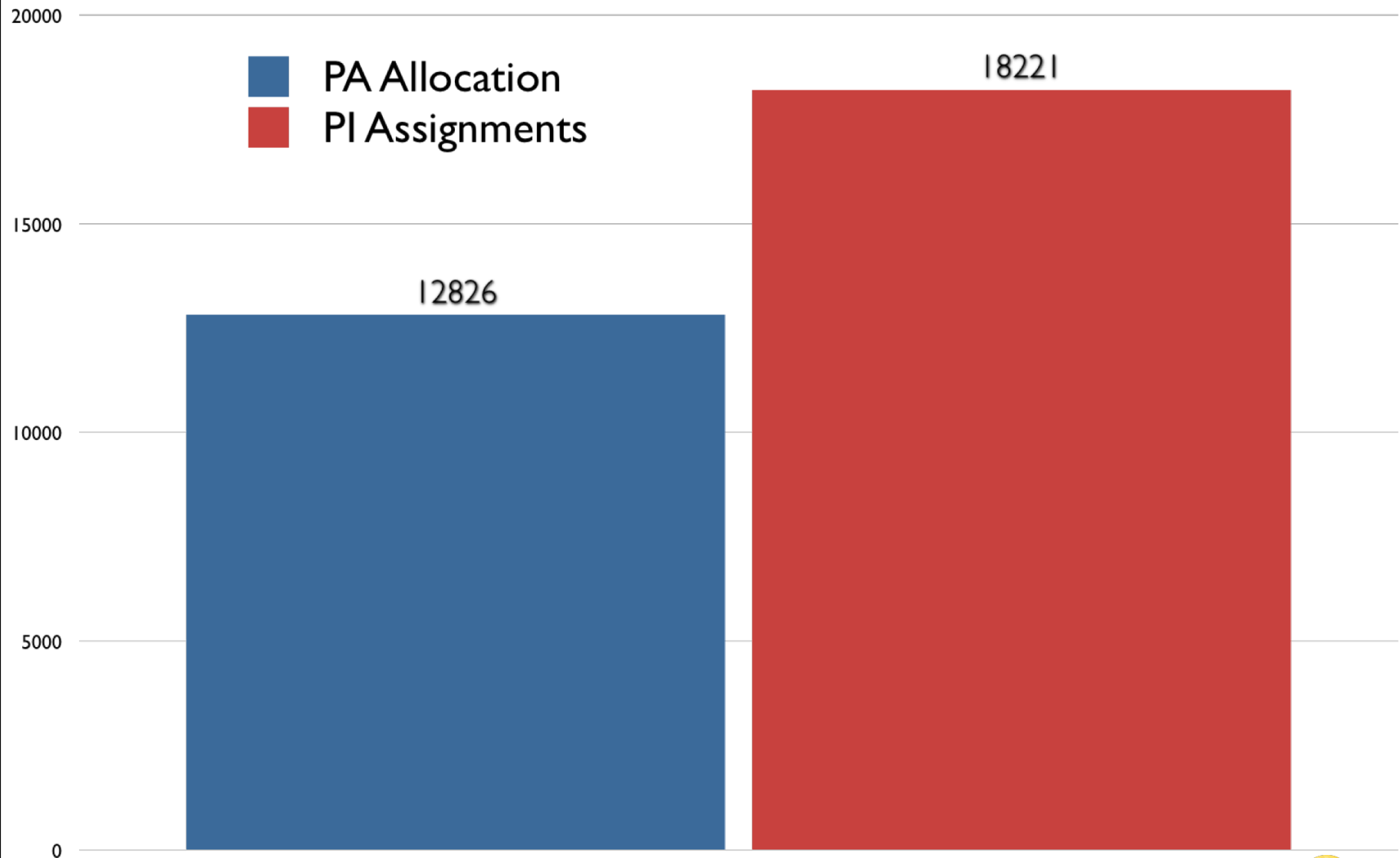
Accepted in October 2008

First phase of implementation in 2009 Q1

PI address space user choices

- Renew contract with their original LIR
- Find a new sponsoring LIR
- Get a direct end user contract with RIPE NCC
- Become LIR
- Return the address space

IPv4 Allocations and PI Assignments



By the way...

32-bit ASN deployment schedule:

1 Jan 2008: 16-bit default, 32-bit on request

1 Jan 2009: 32-bit default, 16-bit on request

1 Jan 2010: Only 32-bit AS Numbers

Note: 16-bit AS Numbers will not be deprecated.

This schedule applies to newly assigned ASNs



Thank you