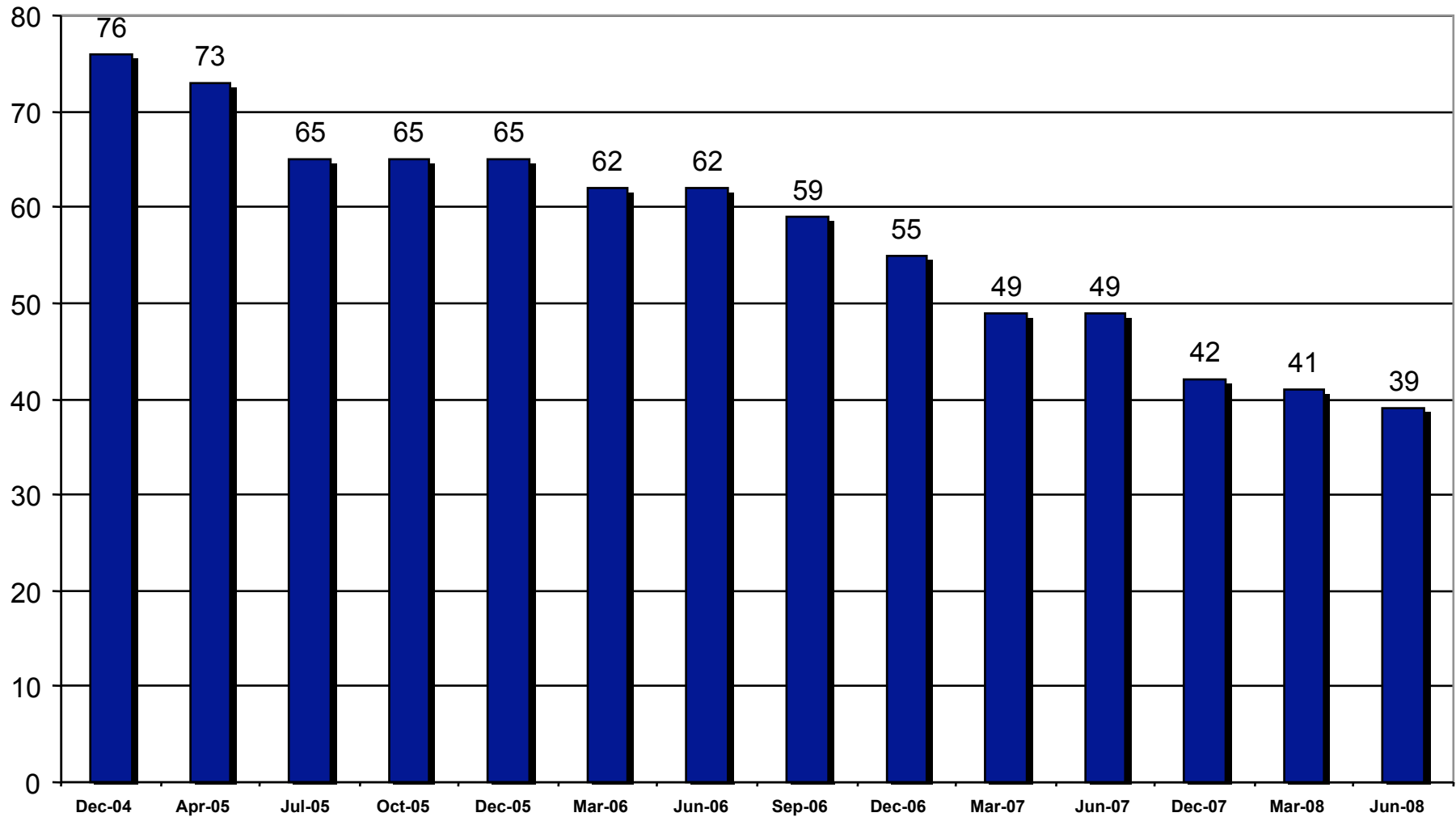


IPv4 Depletion and IPv6 Adoption

Mark Kusters
CTO, ARIN

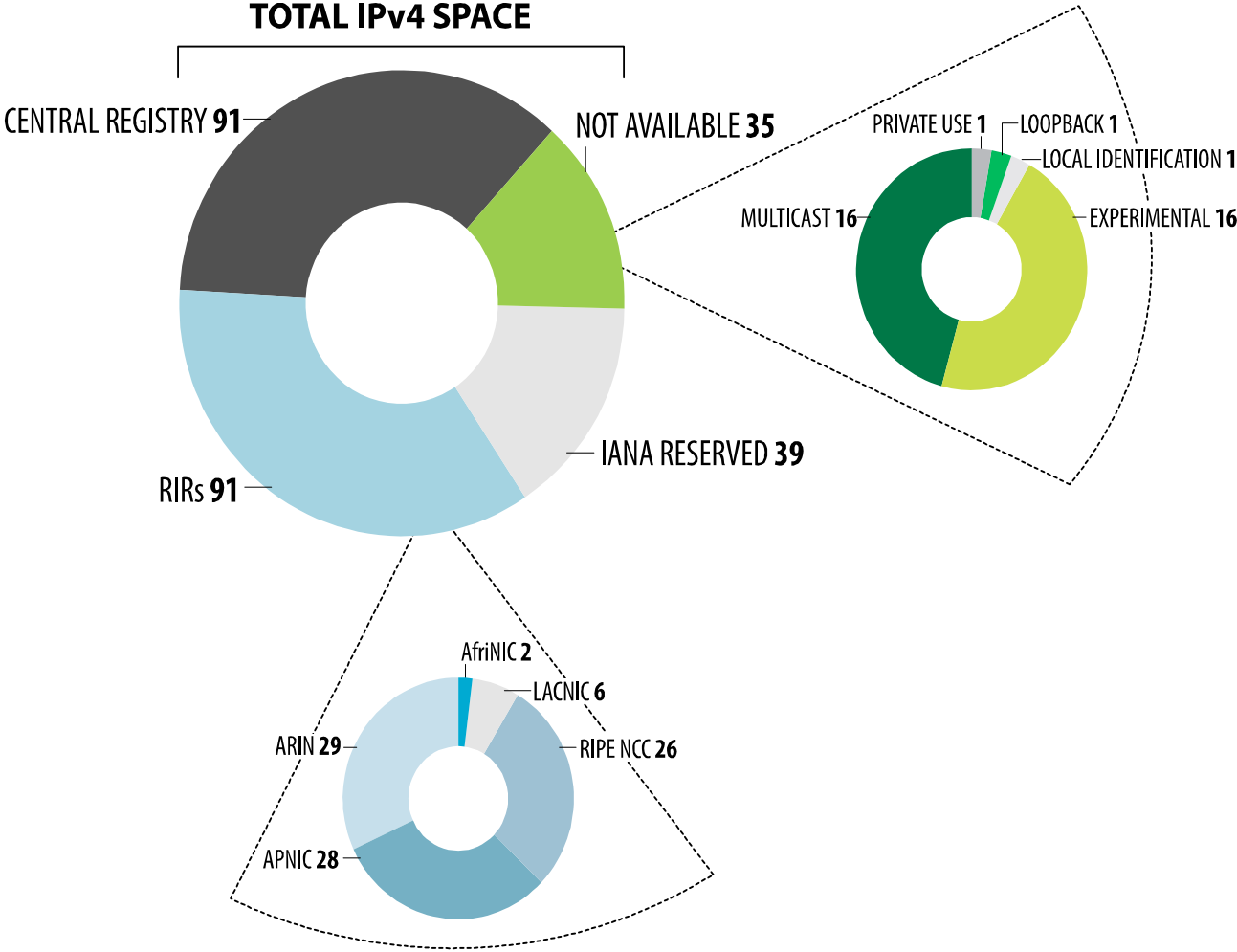
IPv4 Depletion of /8s

As of June 2008



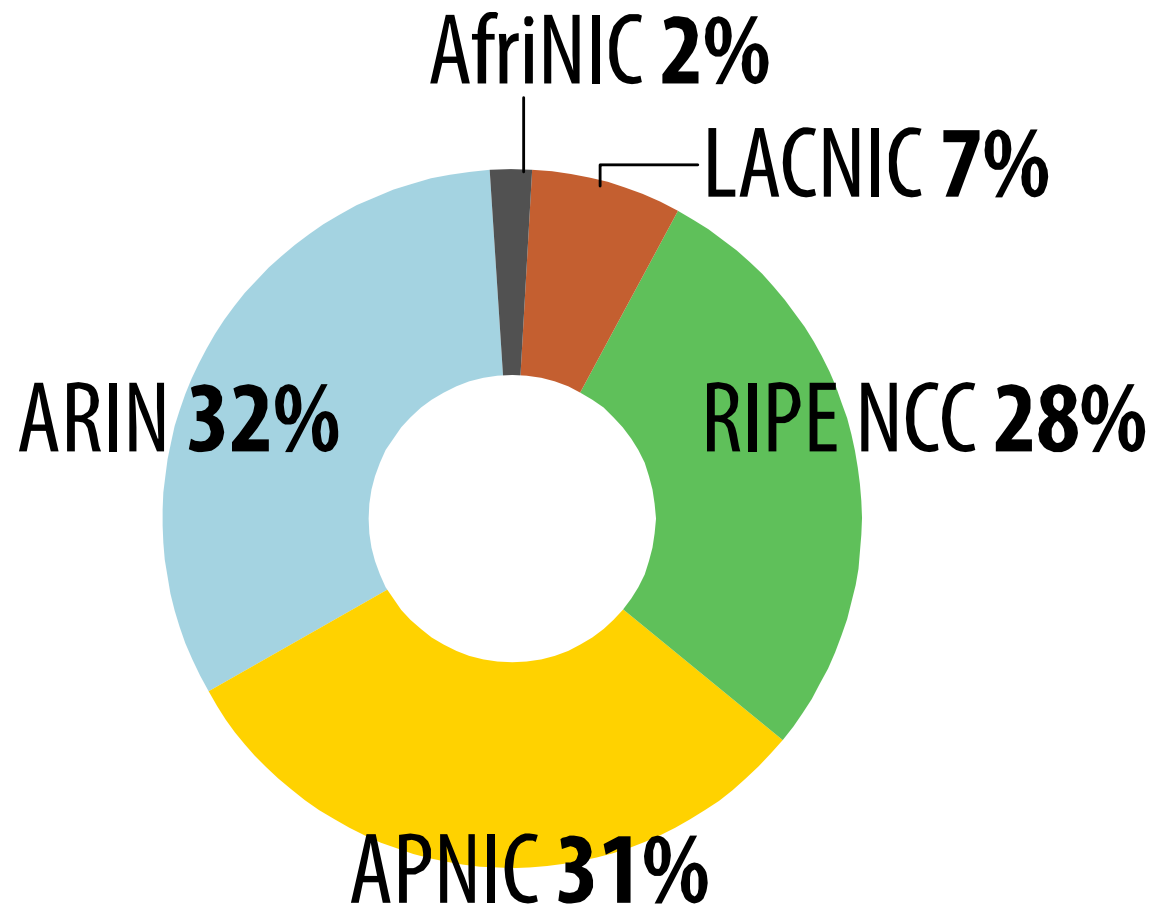
IPv4 Address Space Status

As of June 2008



IPv4 Allocations

Cumulative Total as of June 2008



RIRs are consistently allocating over
10 /8s per year

RIRs collectively allocated over
12 /8s for the first time in 2007

Number of /8s remaining in IANA's
unallocated pool:

39

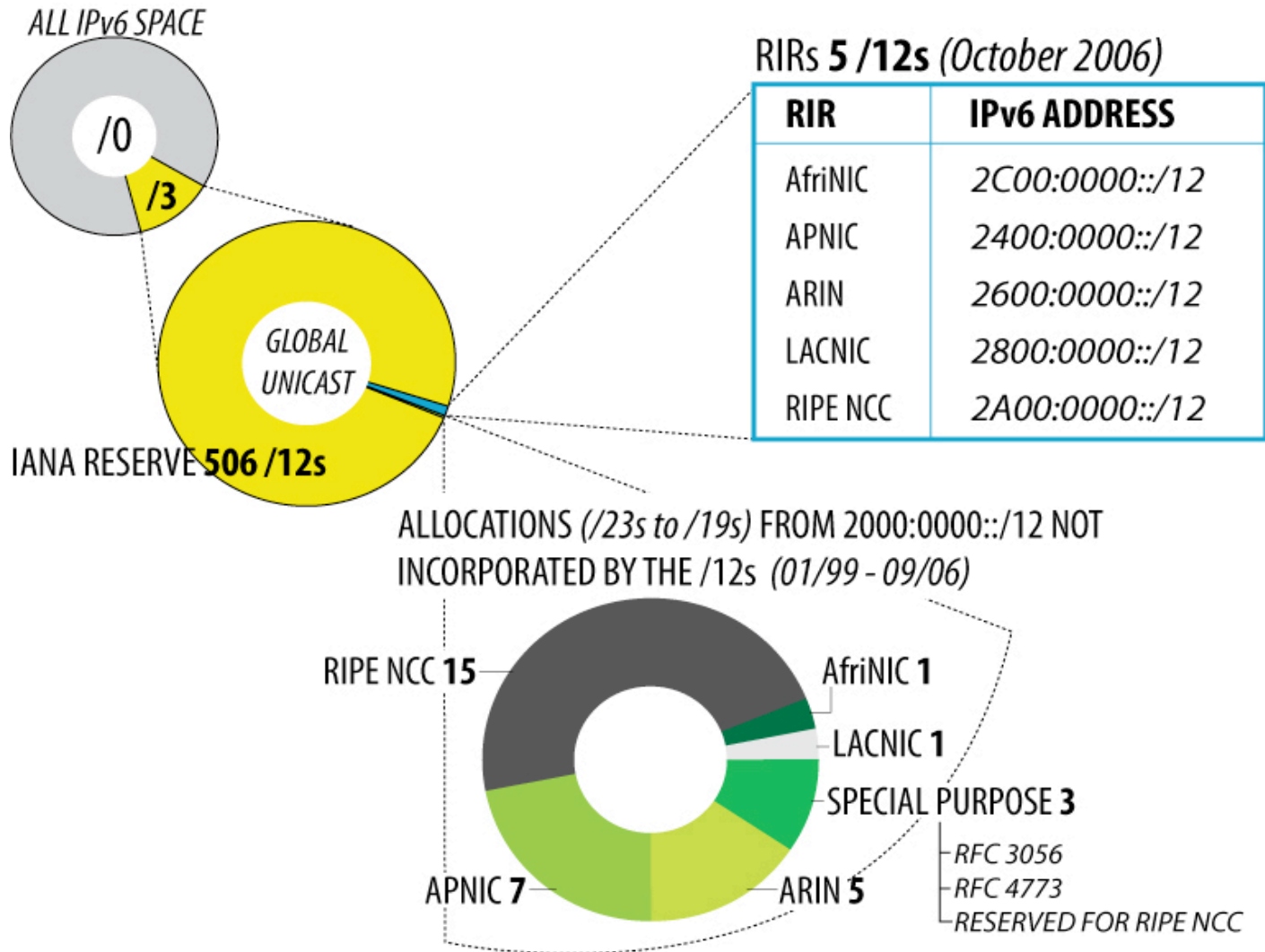
Estimated Run Out by RIRs on newly allocated IPv4 according to
<http://www.potaroo.net/tools/ipv4/> :

December 25, 2011

* as of 30 June 2008

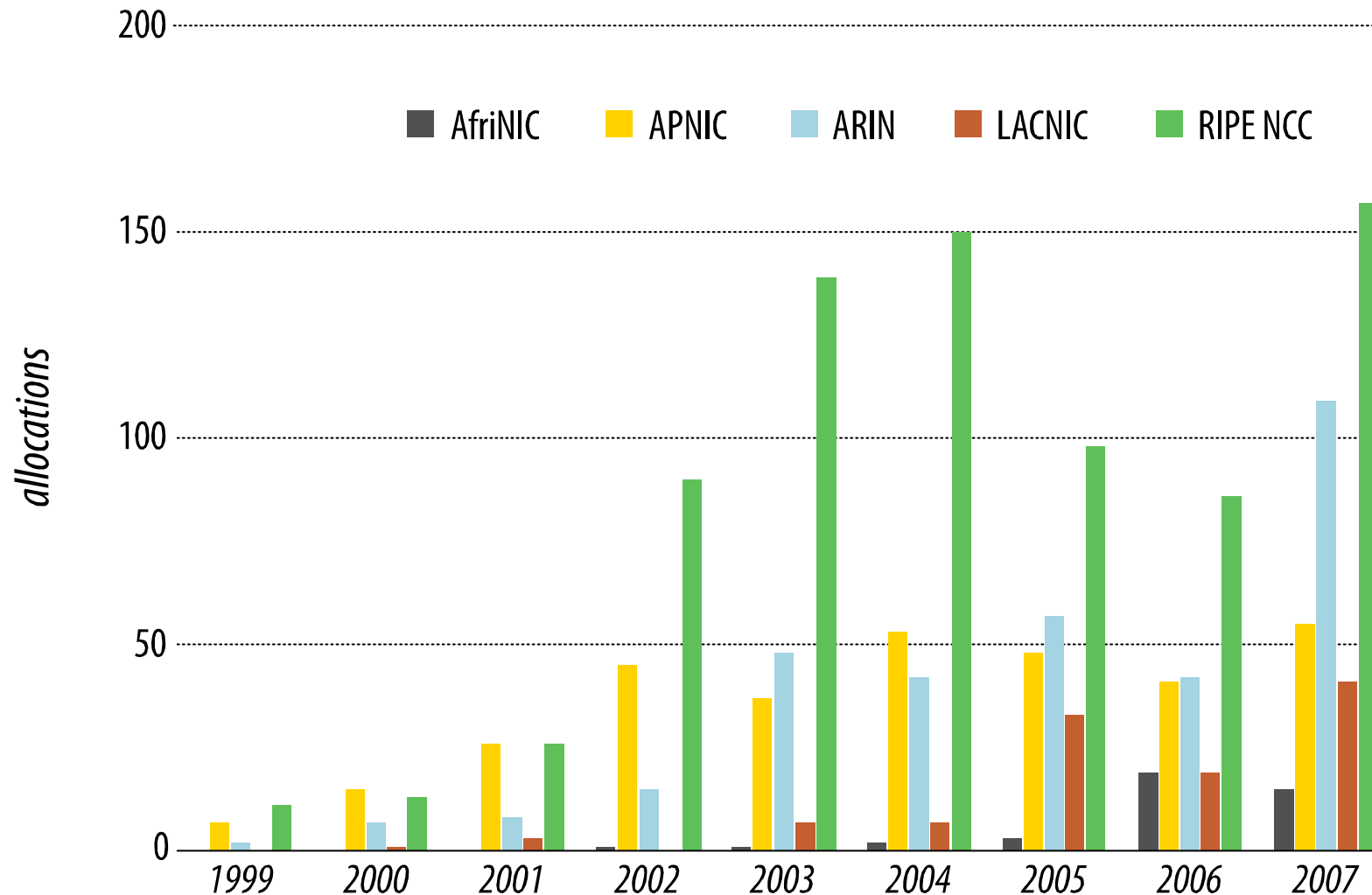
IPv6 ADDRESS SPACE

How much has been allocated to the RIRs?



IPv6 Allocations RIRs to LIRs/ISPs

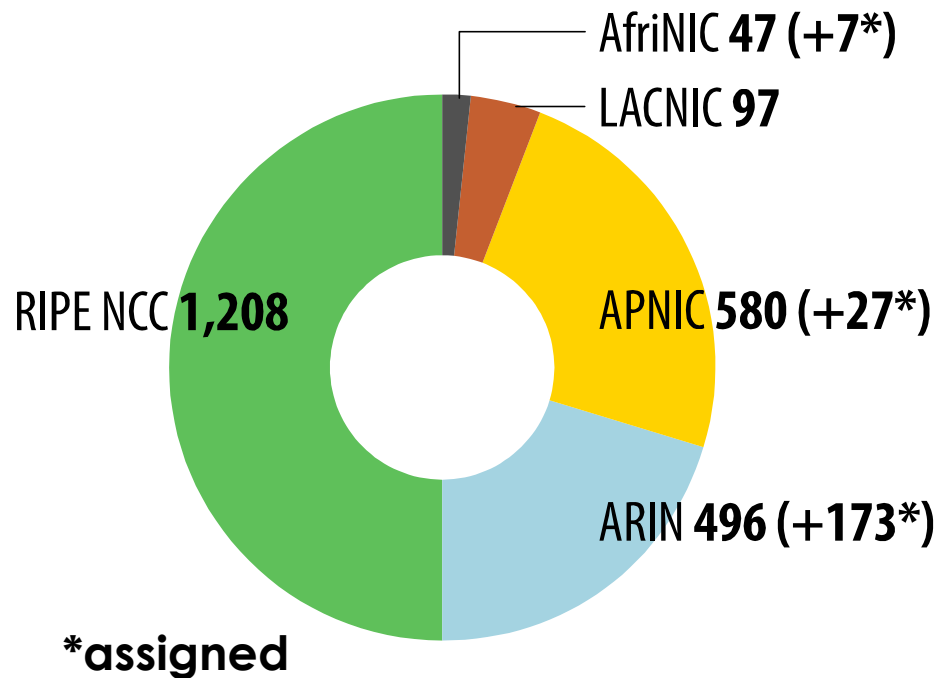
How many allocations have been made by each RIR by year?



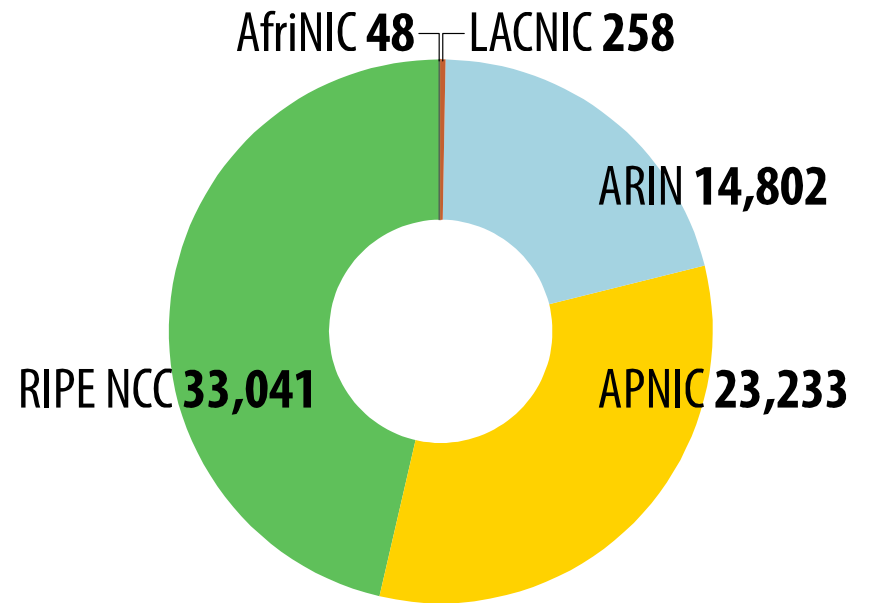
IPv6 ALLOCATIONS RIRs to LIRs/ISPs

(Jan 1999 – July 2008)

How many total allocations have been made by each RIR?

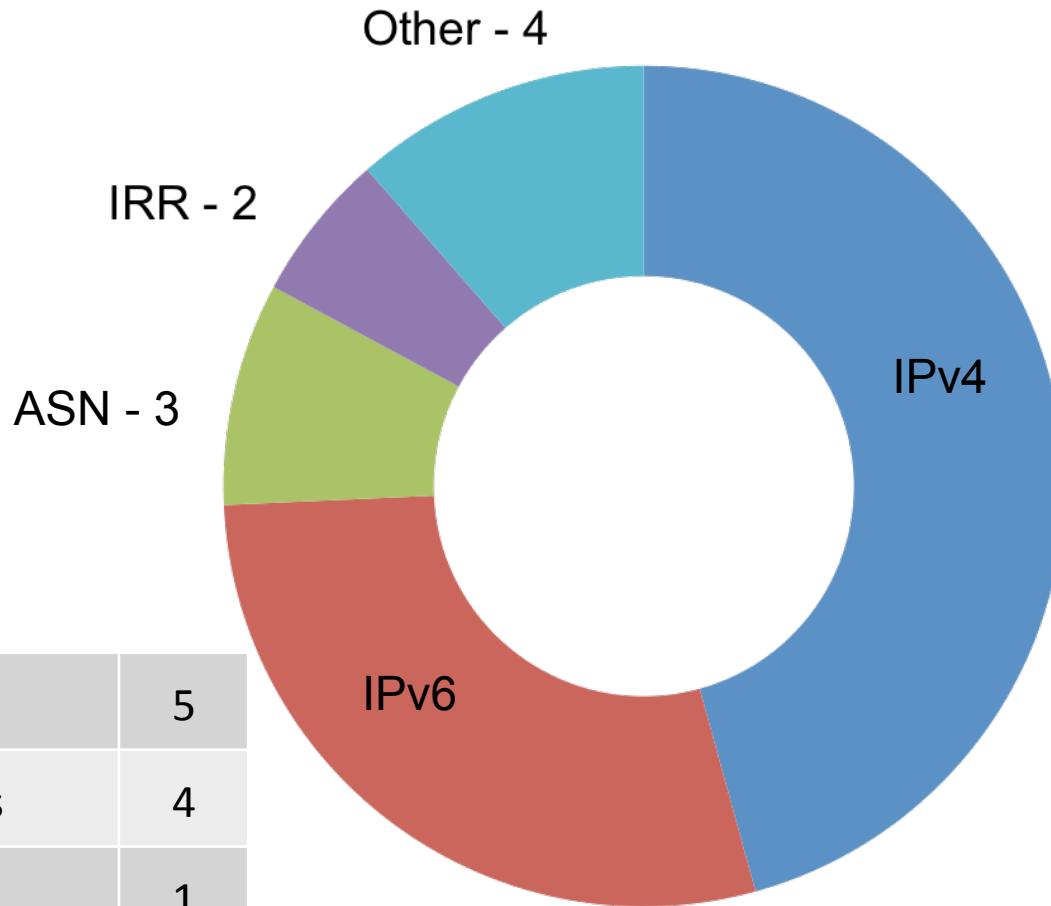


In terms of /32s, how much total space has each RIR allocated?









Policy Development Process Activity

As of 25 July 2008



Depletion	14
Allocation Size	2

Promote	5
Assignments	4
Allocation	1

RIR	Link
	http://www.afrinic.net/policy.htm
	http://www.apnic.net/policy/proposals/
	http://www.arin.net/policy/proposals/proposal_archive.html
	http://lacnic.net/en/politicas/
	http://www.ripe.net/ripe/policies/proposals/
	<p>Policy Comparison Overview http://www.nro.org/documents/index.html</p>

IPv6 Awareness and Promotion by the RIRs

- IPv6 position statements
- IPv6 awareness raising, education, and deployment workshops
- Publication of research on address allocation and deployment
- Providing expert advice to governments and others
- Providing IPv6 networks during meetings with focus on people using IPv6