



NRO

2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203
193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203
2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203
Number Resource Organization



INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 December 2011

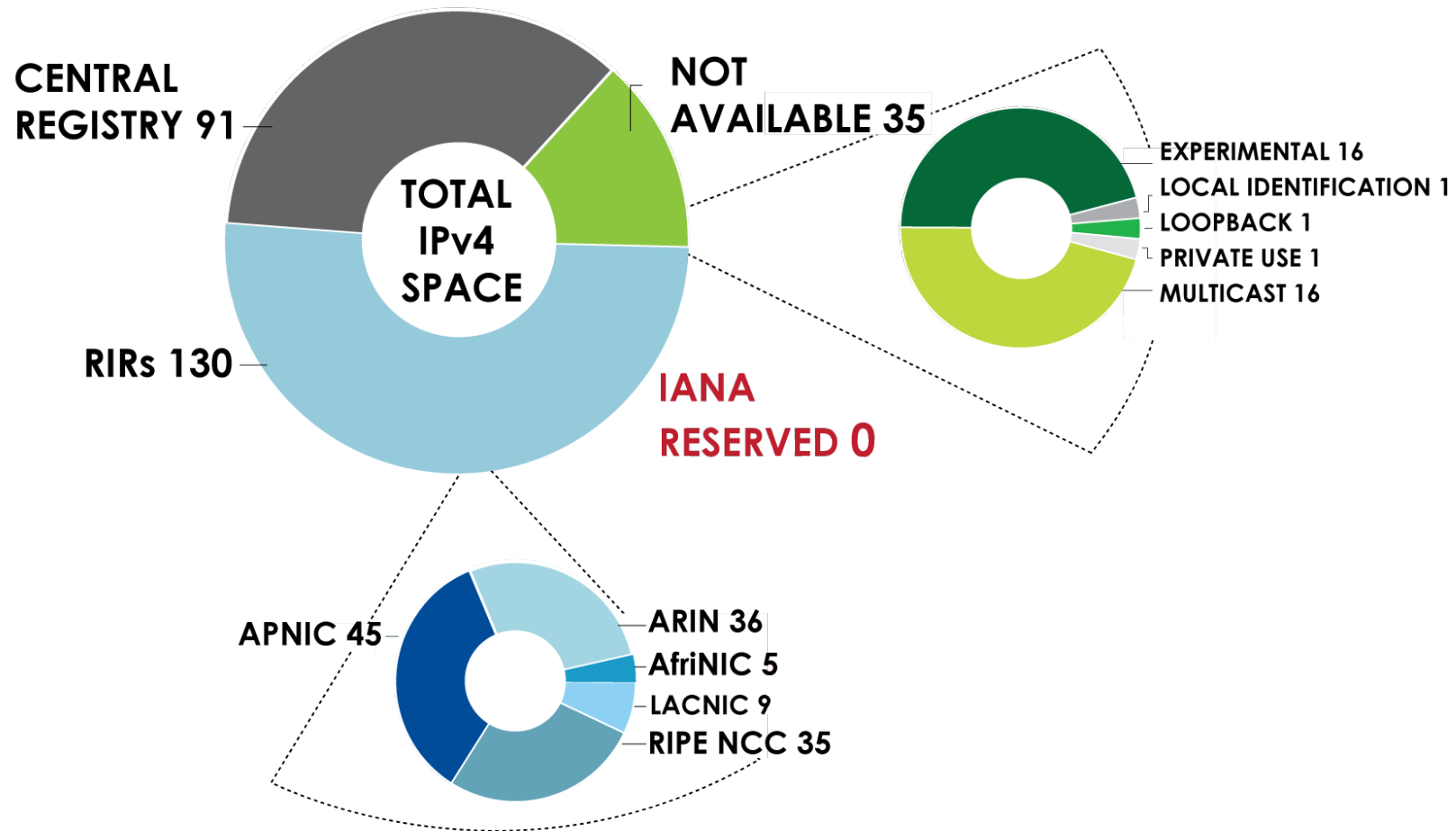
Prepared by
Regional Internet Registries
AfriNIC, APNIC, ARIN, LACNIC and the RIPE NCC

2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
Number Resource Organization

IPv4 ADDRESS SPACE

What is the status of each of the 256 /8s?

STATUS OF 256 /8s IPv4 ADDRESS SPACE

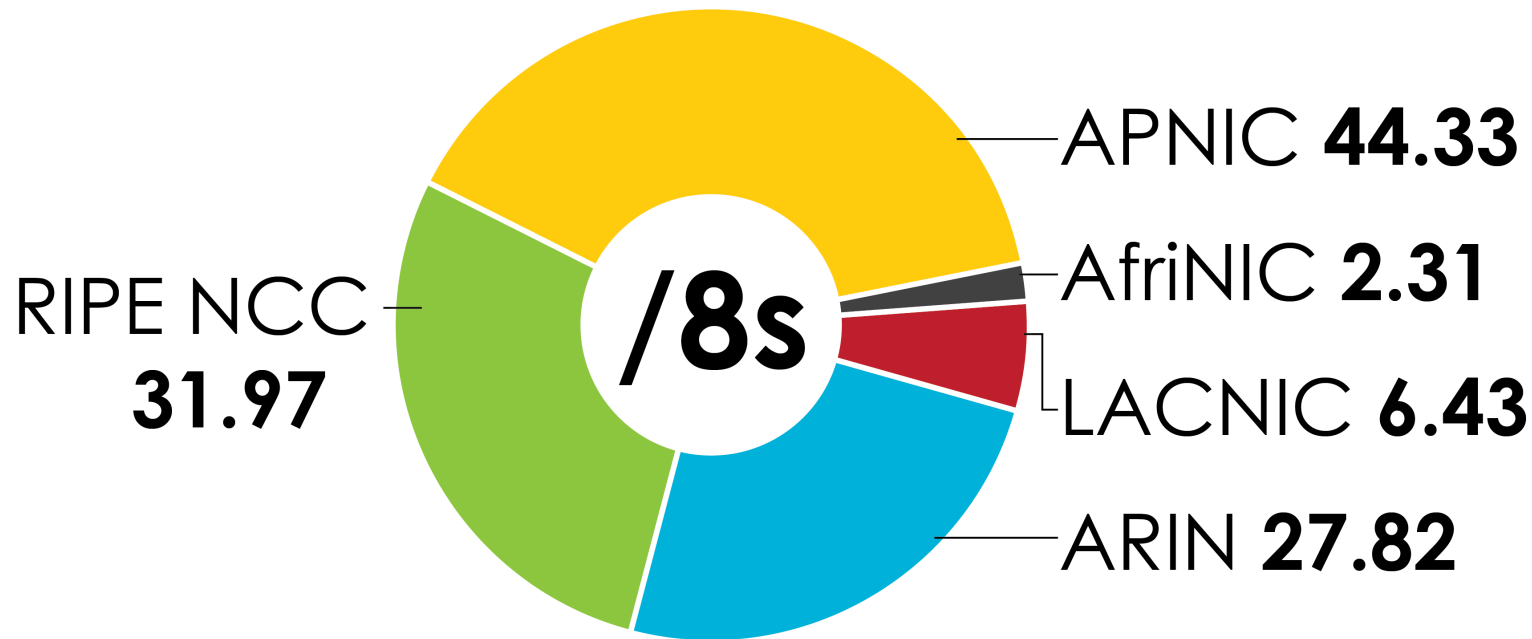


2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
 62.109.128 195.048.02.03 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
 193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
 Number Resource Organization



IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Dec 2011)

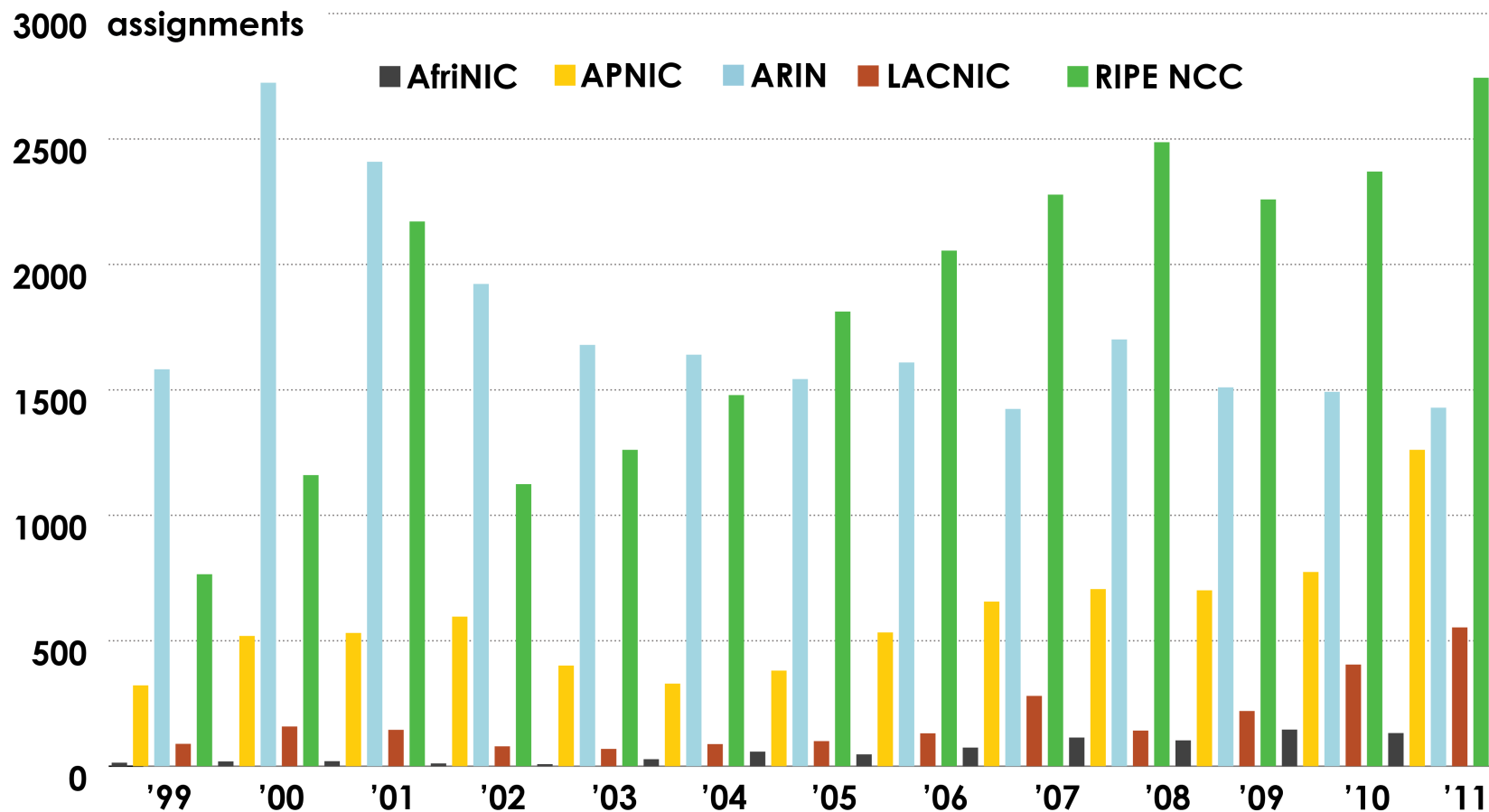


2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
62.109.128 195.048.02.03 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
Number Resource Organization



ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?

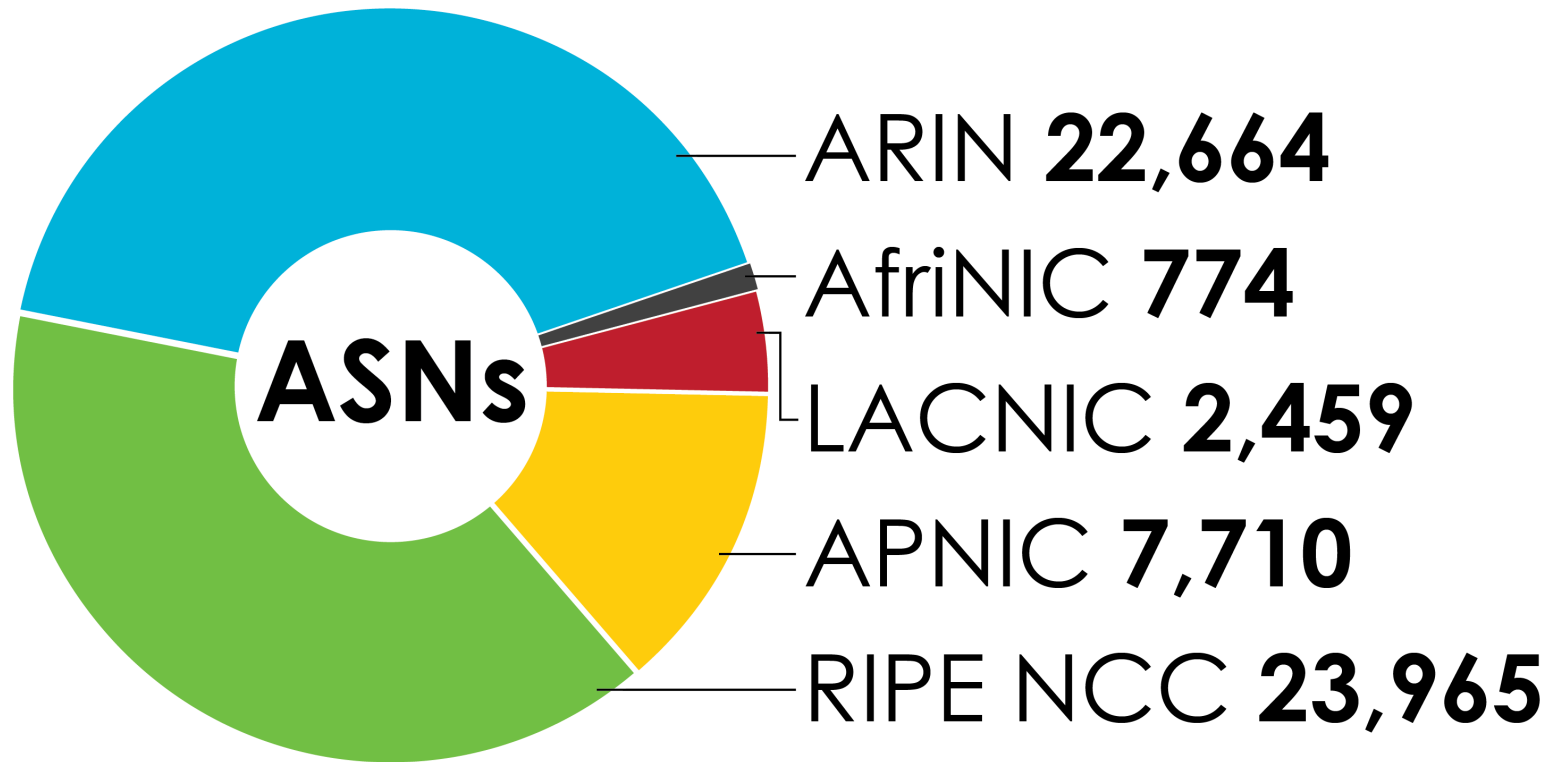


2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240
 193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240
 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240
 193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240
 193.0.0.203 195.048.02.03 62.109.128 2001:610:240:0 193.0.0.202
 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240
 193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240
 193.0.0.203 195.048.02.03 62.109.128 2001:610:240:0 193.0.0.202
 Number Resource Organization



ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – Dec 2011)

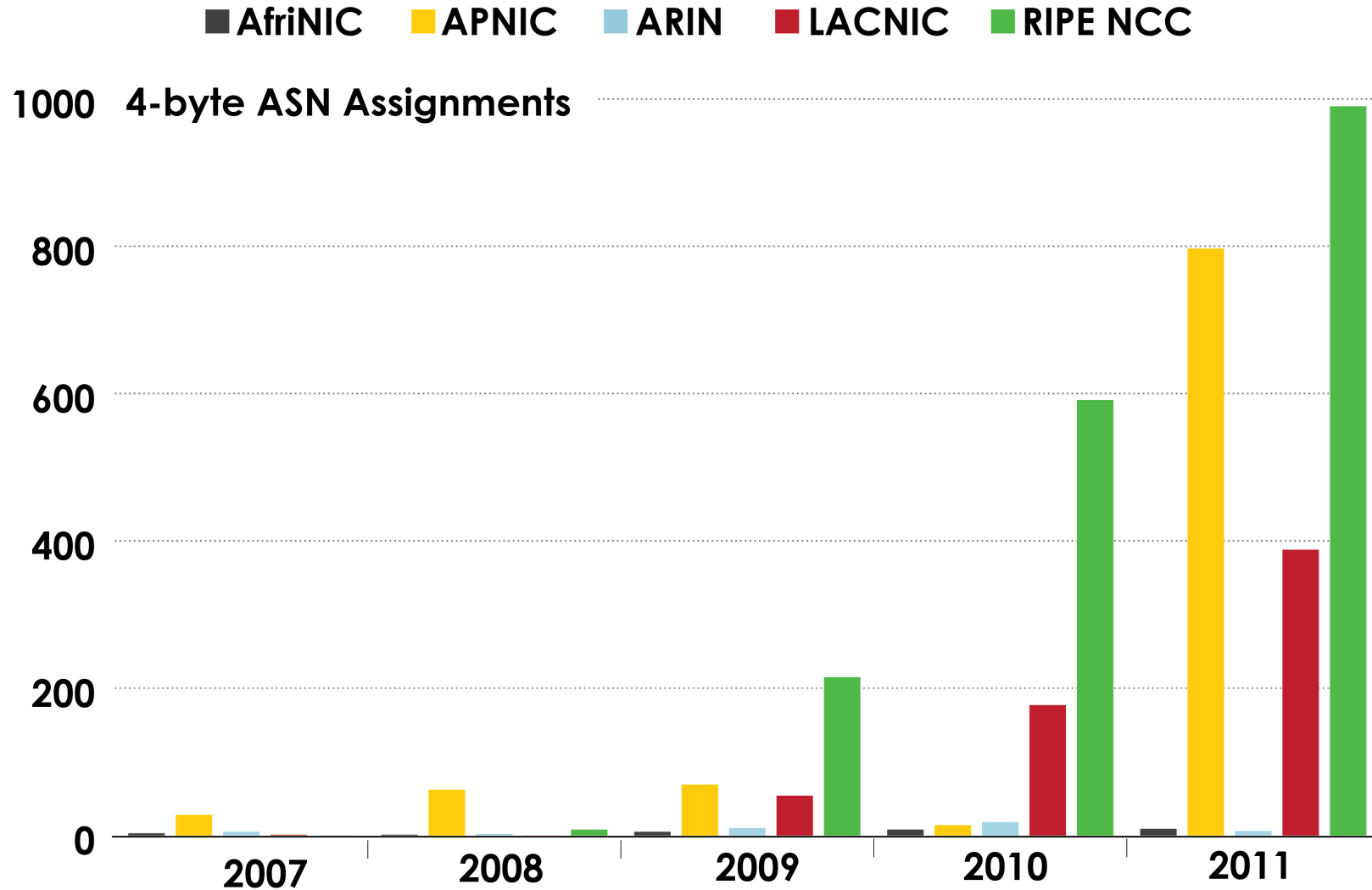


2001-610-240-0 193.0.0.202 62-109-128 195-048-02-03 193-0-0-202 62-109-128 195-048-02-03 178-12-02-02 2001-610-240 193-0-0-203 195-048-02-03
62-109-128 195-048-02-03 193-0-0-202 62-109-128 195-048-02-03 178-12-02-02 2001-610-240-0 193-0-0-202
193-0-0-203 2001-610-240-0 193-0-0-202 62-109-128 195-048-02-03 178-12-02-02 2001-610-240 193-0-0-203 195-048-02-03
2001-610-240-0 193-0-0-202 62-109-128 195-048-02-03 178-12-02-02 2001-610-240 193-0-0-203 195-048-02-03
Number Resource Organization



4-BYTE ASN ASSIGNMENTS

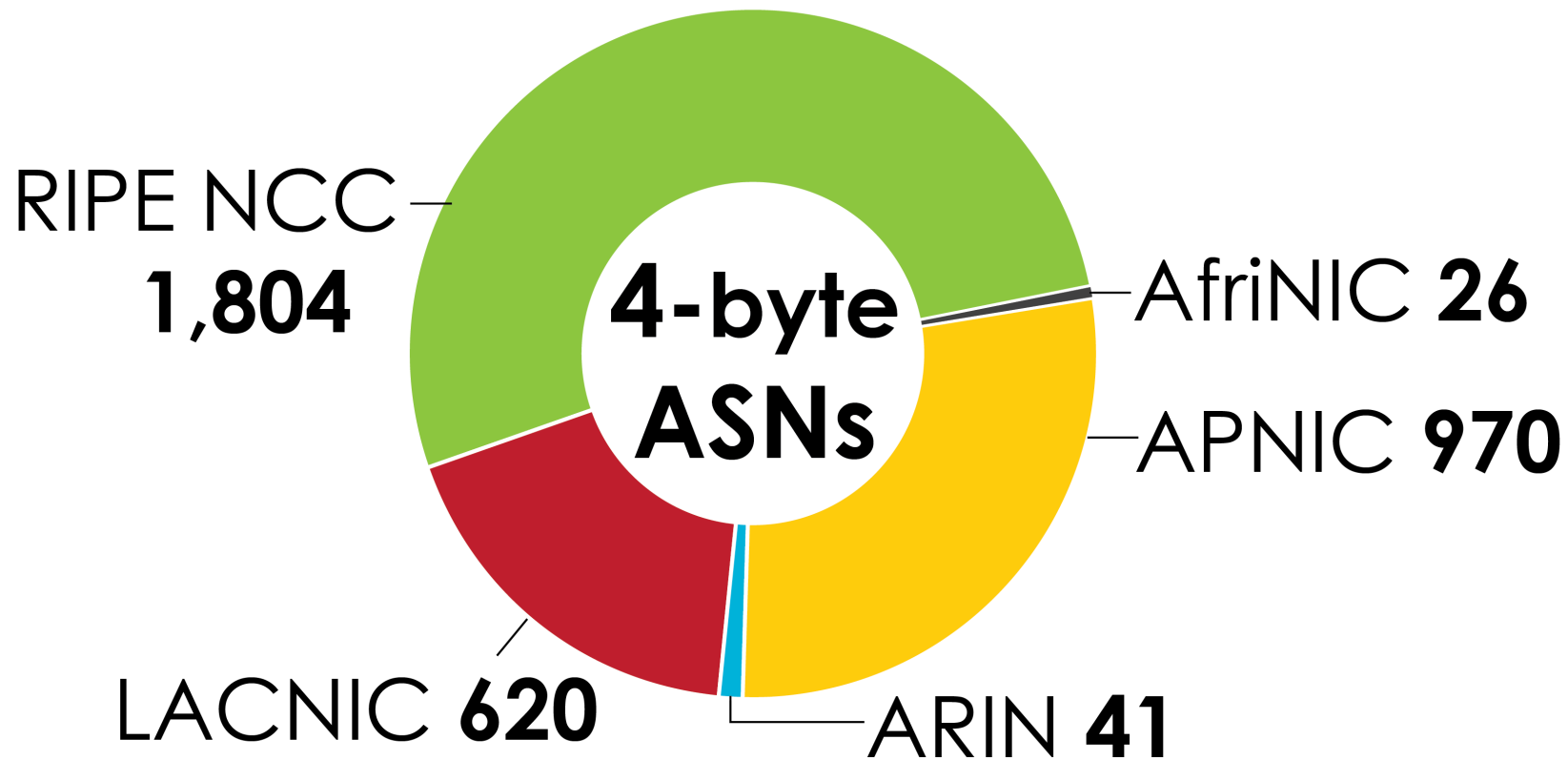
How many 4-byte ASNs has each RIR assigned by year?



2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203 195.048.02.03
62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203
193.0.0.203 2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.202
2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203 195.048.02.03
Number Resource Organization

4-BYTE ASN ASSIGNMENTS

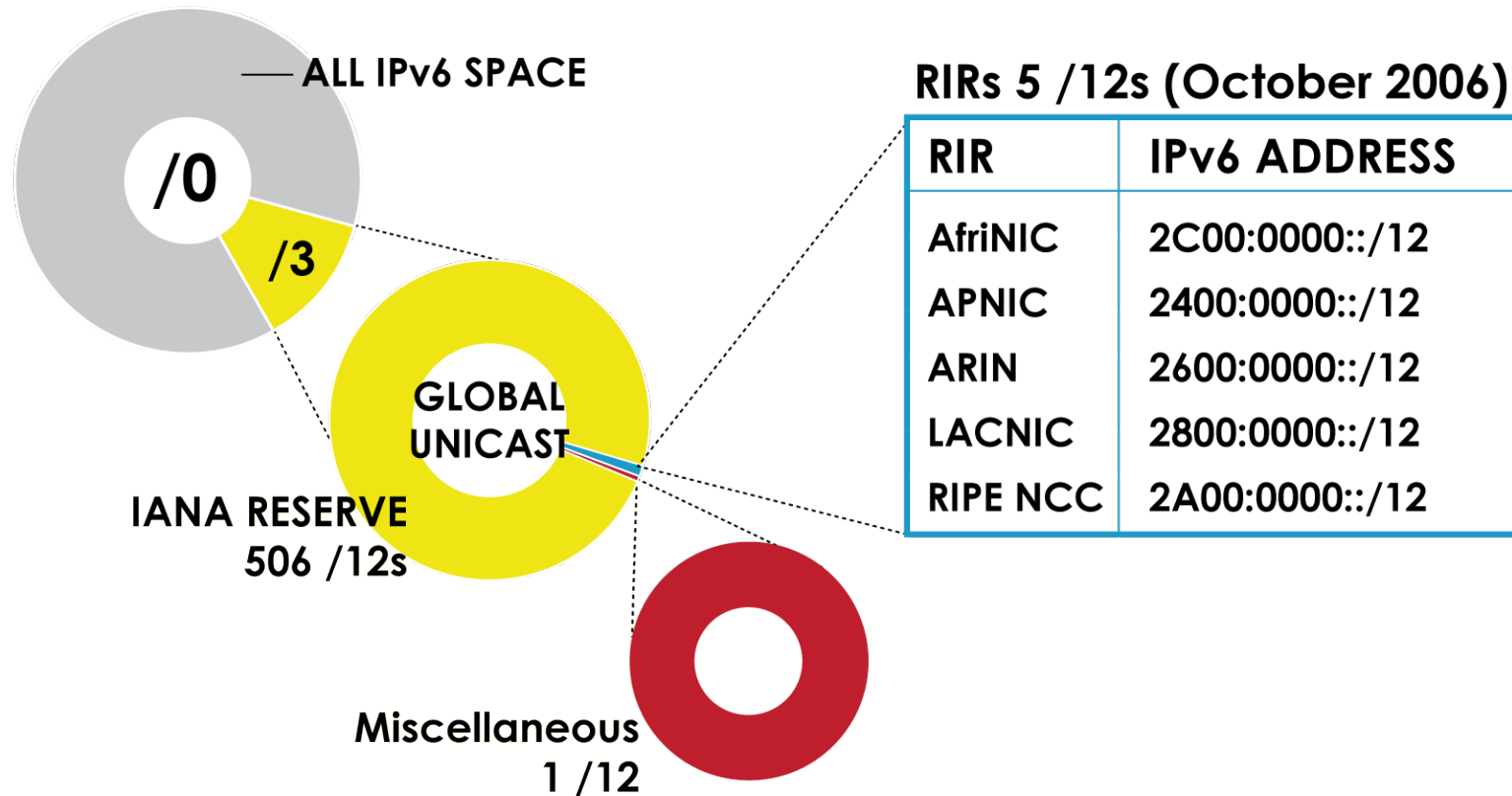
How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – Dec 2011)



2001:610:240:0 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203 195:048:02:03
 62:109:128 195:048:02:03 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203 195:048:02:03
 193.0.0.203 2001:610:240:0 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203 195:048:02:03
 2001:610:240:0 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203 195:048:02:03
 Number Resource Organization

IPv6 ADDRESS SPACE

How much has been allocated to the RIRs?



2001:610:240:0 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203 195:048:02:03
 62:109:128 195:048:02:03 193.0.0.202 2001:610:240 193.0.0.203 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203
 193.0.0.203 2001:610:240:0 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203
 2001:610:240:0 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203 195:048:02:03
 2001:610:240:0 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193.0.0.203 195:048:02:03
 Number Resource Organization



IPv6 Allocations RIRs to LIRs/ISPs

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

1500 allocations

■ AfriNIC ■ APNIC ■ ARIN ■ LACNIC ■ RIPE NCC

1200

900

600

300

0

'99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11

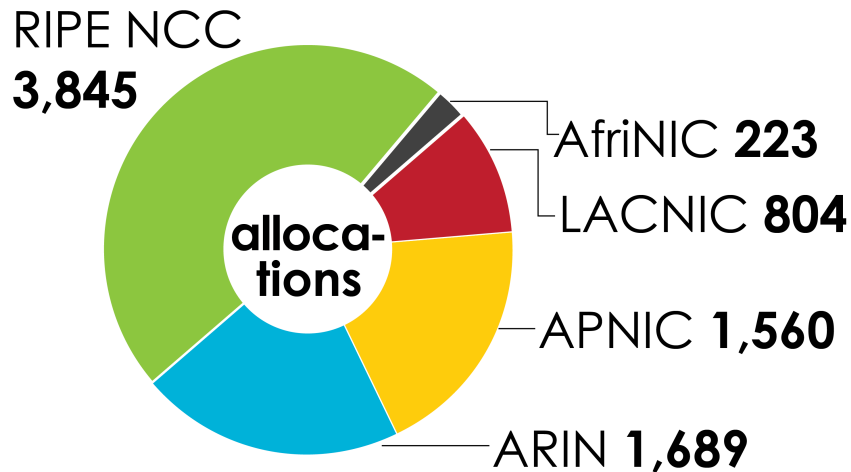
2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203 195.048.02.03
 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203
 193.0.0.203 2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.202
 2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203 195.048.02.03
 Number Resource Organization



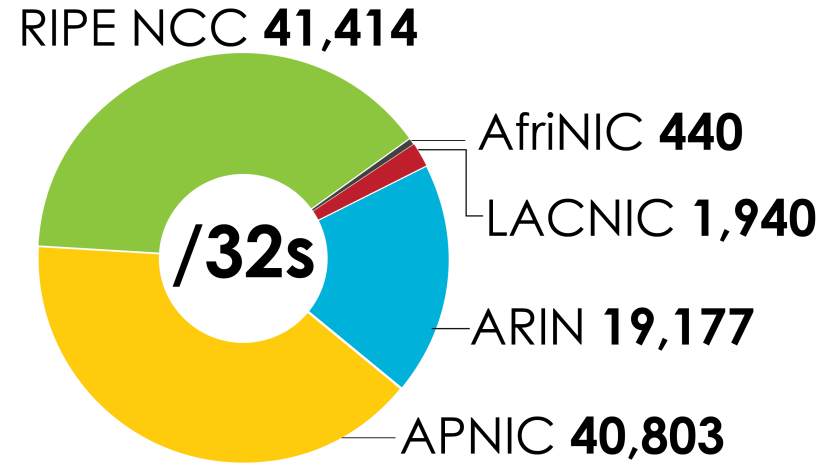
IPv6 ALLOCATIONS RIRs to LIRs/ISPs

(Jan 1999 – Dec 2011)

How many total allocations have been made by each RIR?



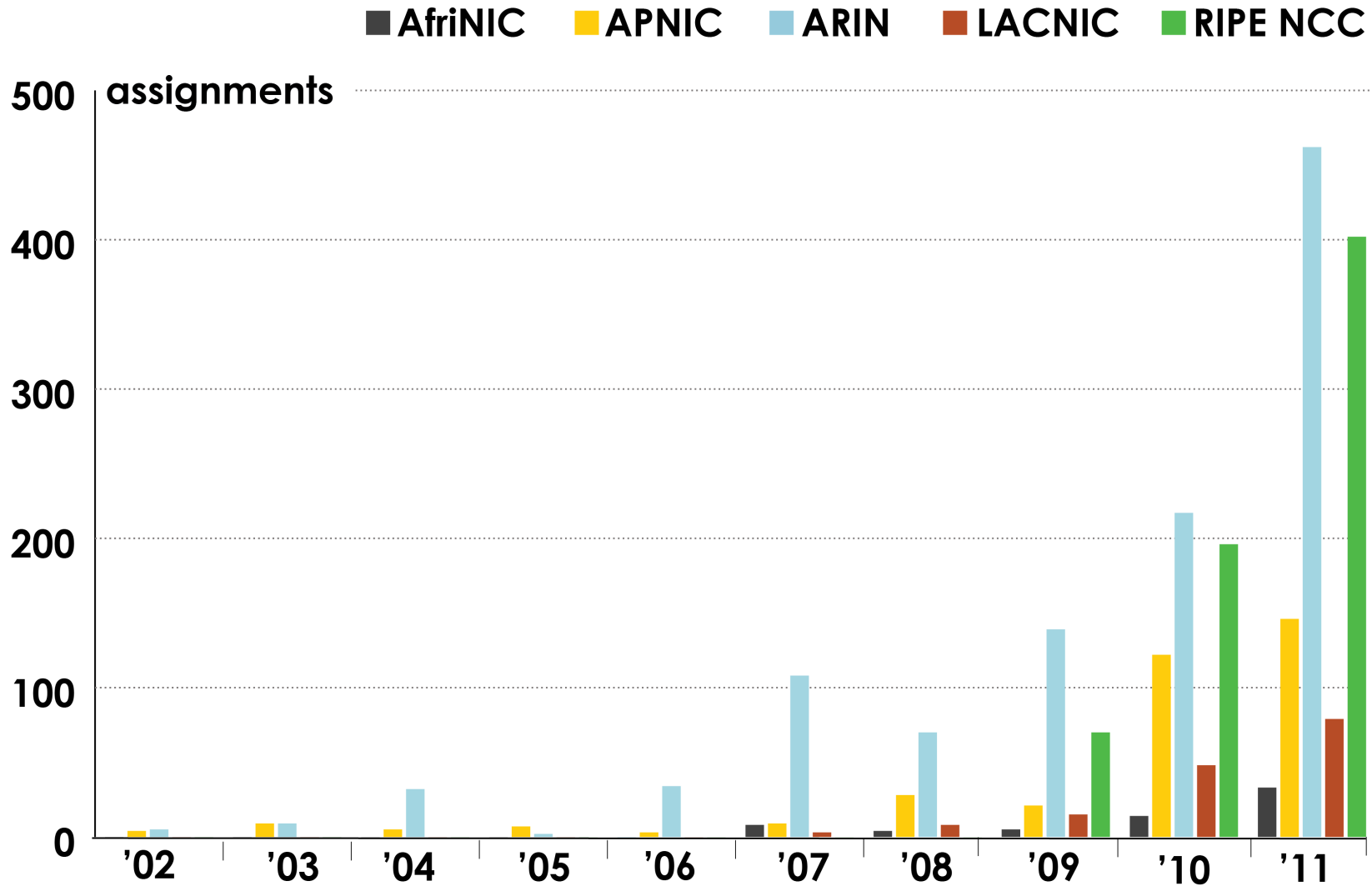
In terms of /32s, how much total space has each RIR allocated?



2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03 62.109.128 2001:610:240 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203

Number Resource Organization

IPV6 ASSIGNMENTS RIRS TO END-USERS



2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203
 193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.202
 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
 Number Resource Organization



LINKS TO RIR STATISTICS

- RIR Stats:
www.nro.net/statistics
- Raw Data/Historical RIR Allocations:
www.aso.icann.org/stats
www.iana.org/assignments/ipv4-address-space
www.iana.org/assignments/as-numbers
www.iana.org/assignments/ipv6-unicast-address-assignments

2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
62.109.128 195.048.02.03 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
193.0.0.203 2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
2001:610:240:0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03
Number Resource Organization



thank you

2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203 195.048.02.03
62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203
193.0.0.203 2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203
2001-610-240-0 193.0.0.202 62.109.128 195.048.02.03 178.12.02.02 2001-610-240 193.0.0.203
Number Resource Organization