NRO

Number Resource Organization

INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 June 2009

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

IPv4 ADDRESS SPACE

What is the status of each of the 256 /8s?
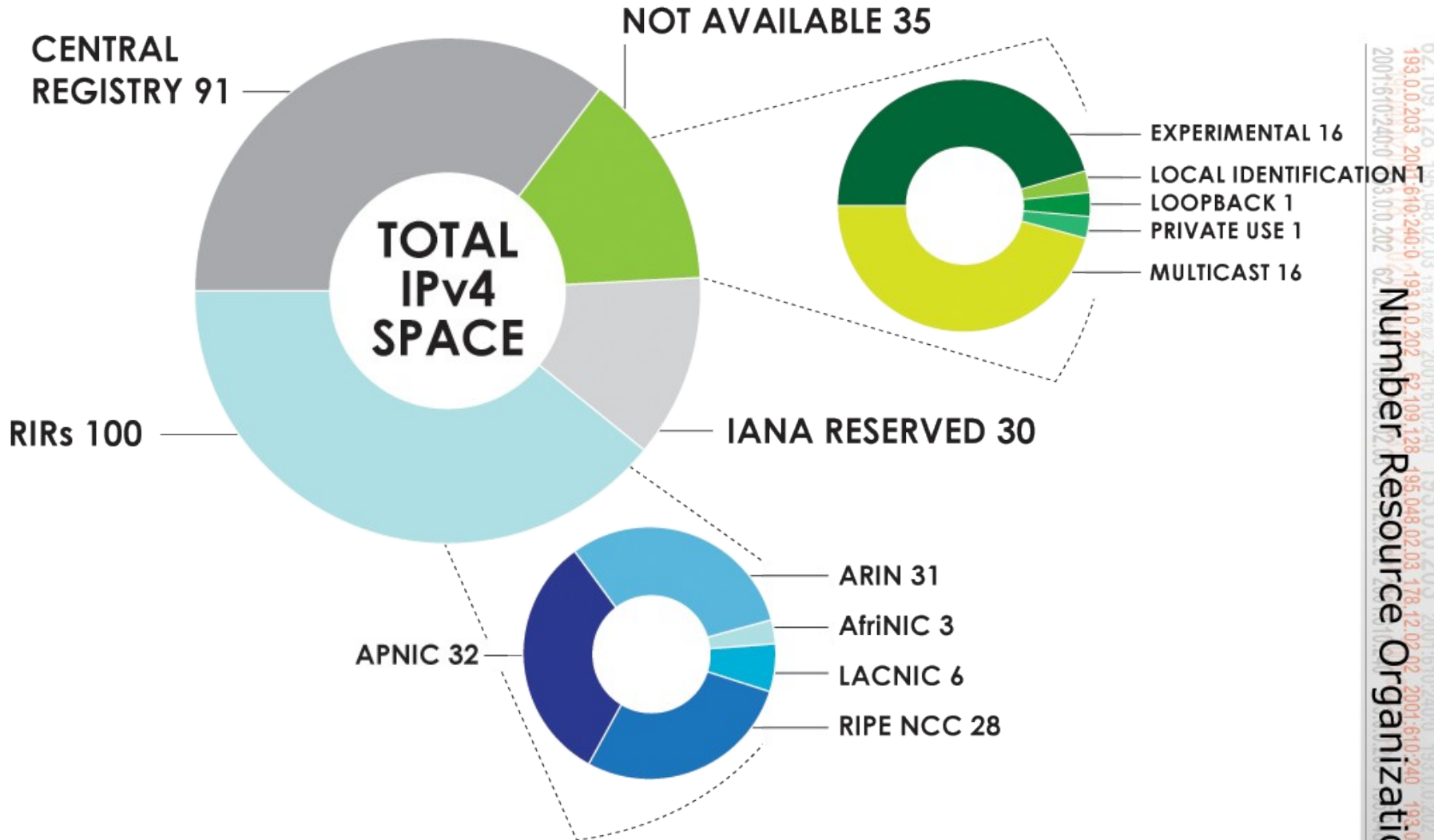
NOT AVAILABLE 35

CENTRAL REGISTRY 91

TOTAL IPv4 SPACE

EXPERIMENTAL 16
LOCAL IDENTIFICATION 1
LOOPBACK 1
PRIVATE USE 1
MULTICAST 16

RIRs 100

IANA RESERVED 30

APNIC 32

ARIN 31
AfriNIC 3
LACNIC 6
RIPE NCC 28

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IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

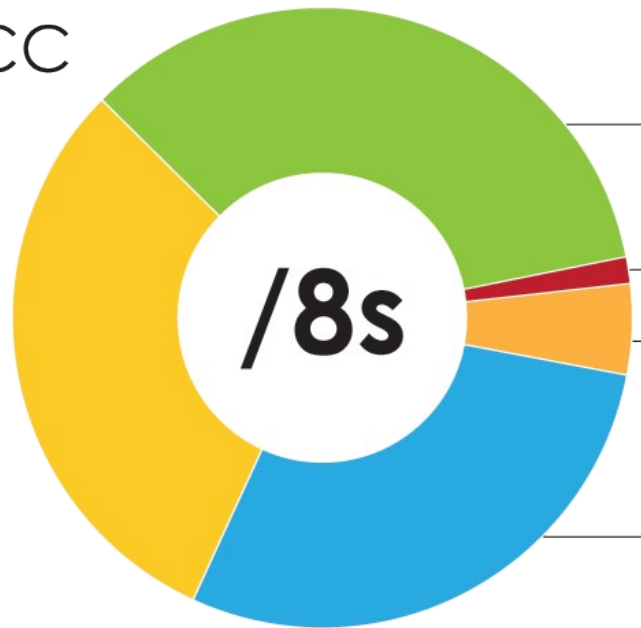In terms of /8s, how much space did each RIR allocate by year?

IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)
In terms of /8s, how much total space has each RIR allocated?
(Jan 1999 – Jun 2009)

RIPE NCC **22.76**

APNIC **25.54**

AfriNIC **0.88**

LACNIC **3.53**

ARIN **21.33**

/8s

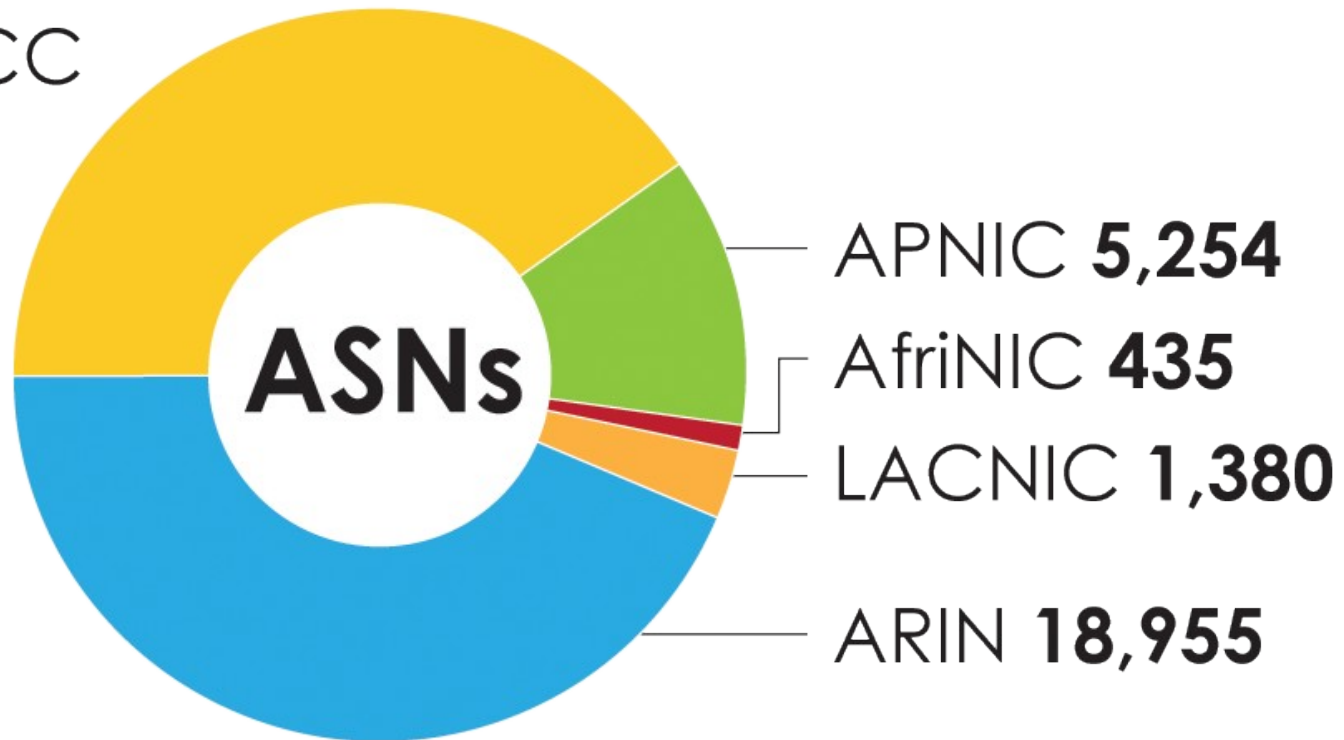# ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many ASNs has each RIR assigned by year?

ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many total ASNs has each RIR assigned?
(Jan 1999 – Jun 2009)

RIPE NCC
17,681

ASNs

APNIC **5,254**
AfriNIC **435**
LACNIC **1,380**
ARIN **18,955**

IPv6 ADDRESS SPACE
How much has been allocated to the RIRs?

ALL IPv6 SPACE

/0

/3

GLOBAL UNICAST

IANA RESERVE 506 /12s

RIRs 5 /12s (October 2006)

RIR	IPv6 ADDRESS
AfriNIC	2C00:0000::/12
APNIC	2400:0000::/12
ARIN	2600:0000::/12
LACNIC	2800:0000::/12
RIPE NCC	2A00:0000::/12

AfriNIC 1

LACNIC 1

RIPE NCC 15

SPECIAL PURPOSE 3

APNIC 7

ARIN 5

RFC 3056
RFC 4773
RESERVED FOR RIPE NCC

IPv6 Allocations RIRs to LIRs/ISPs
How many allocations have been made by each RIR by year?

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IPv6 ALLOCATIONS RIRs to LIRs/ISPs
(Jan 1999 – Jun 2009)

How many total allocations have been made by each RIR?

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

allocations

APNIC **524**
AfriNIC **70**
LACNIC **187**
ARIN **623**
RIPE NCC **1,468**

/32s

APNIC **24,389**
AfriNIC **69**
LACNIC **199**
ARIN **14,978**
RIPE NCC **33,505**

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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

thank you