NRO

Number Resource Organization

INTERNET NUMBER RESOURCE STATUS REPORT

As of 31 December 2008

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?
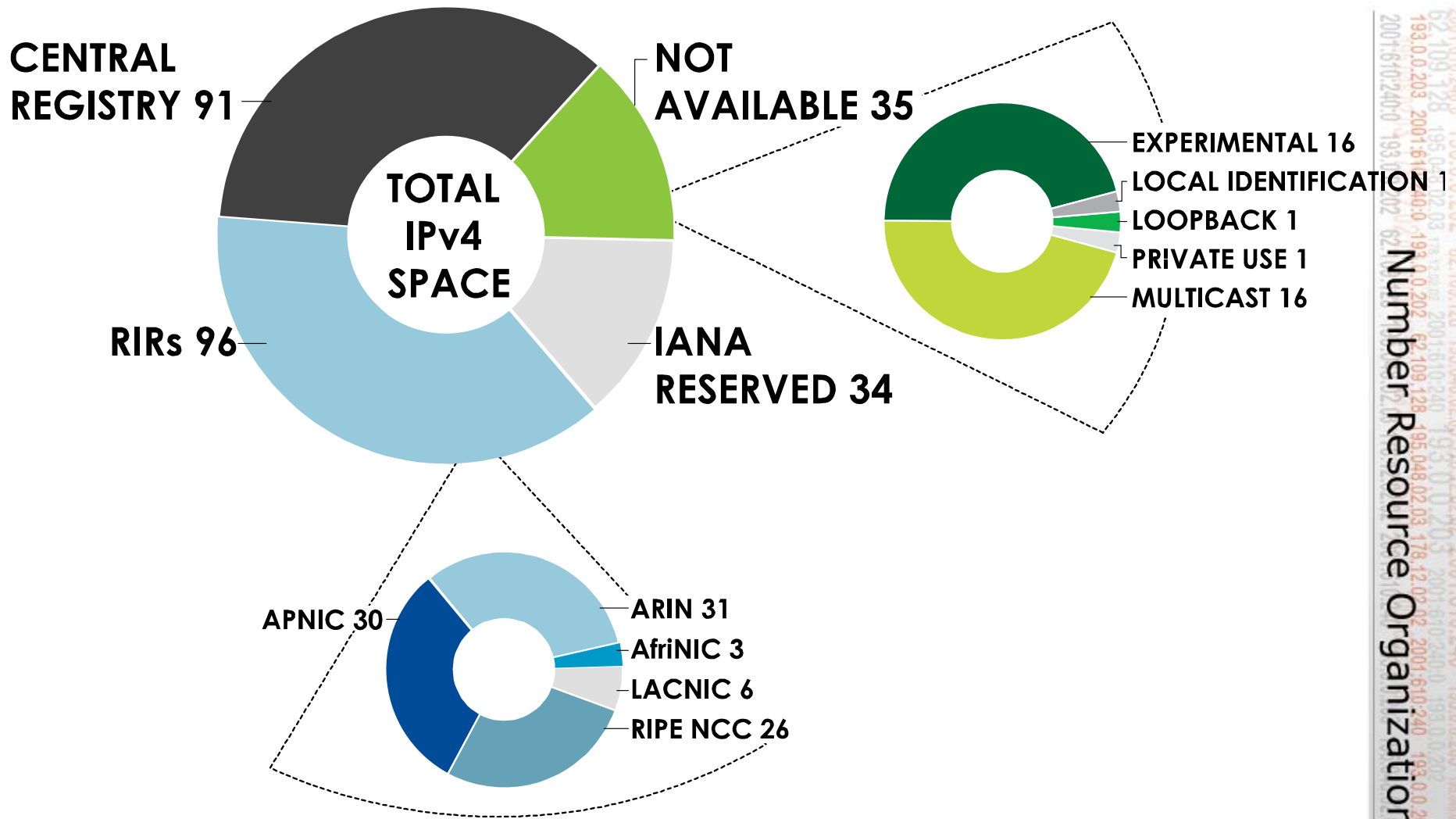
NRO

CENTRAL REGISTRY 91

NOT AVAILABLE 35

TOTAL IPv4 SPACE

RIRs 96

IANA RESERVED 34

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

APNIC 30
ARIN 31
AfriNIC 3
LACNIC 6
RIPE NCC 26

Number Resource Organization

IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)
In terms of /8s, how much space did each RIR allocate by year?
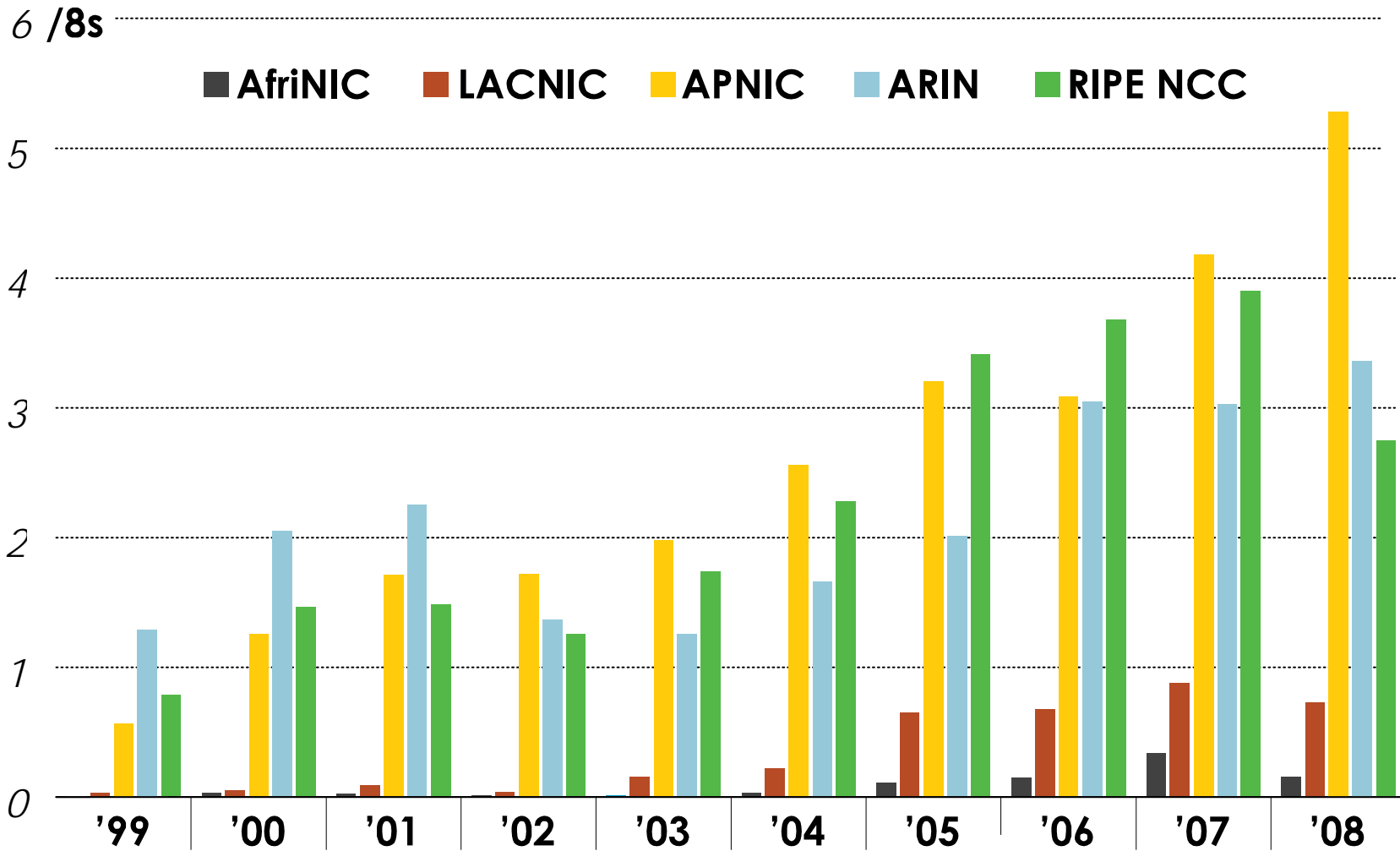
Legend: ■ AfriNIC ■ LACNIC ■ APNIC ■ ARIN ■ RIPE NCC

Y-axis: 6 /8s, 5, 4, 3, 2, 1, 0

X-axis: '99, '00, '01, '02, '03, '04, '05, '06, '07, '08

Right axis label: Number Resource Organization

IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)
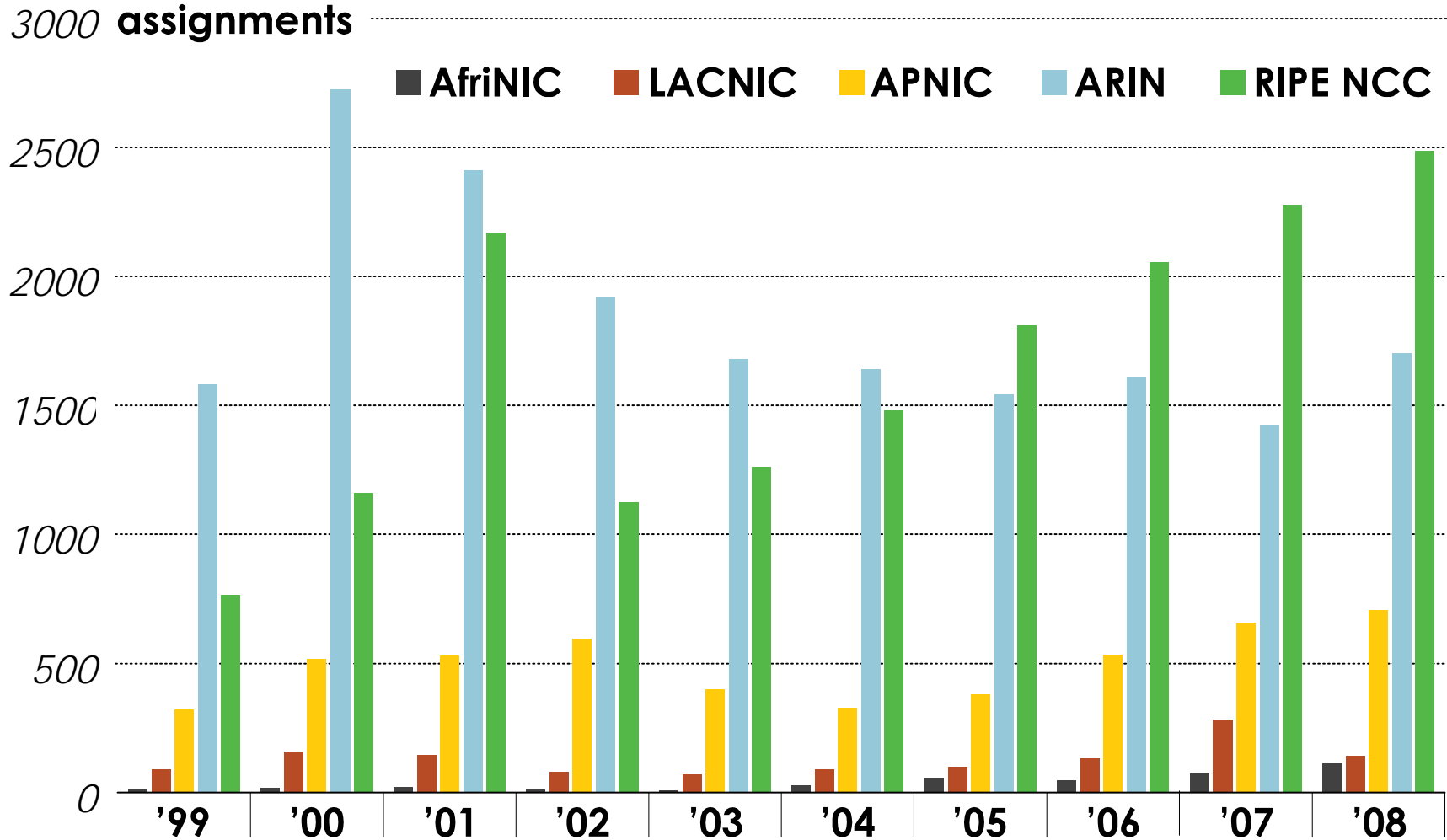In terms of /8s, how much total space has each RIR allocated?
(Jan 1999 – Dec 2008)

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RIPE NCC **22.12**

/8s

APNIC **24.26**

AfriNIC **0.85**

LACNIC **3.28**

ARIN **20.52**

Number Resource Organization

ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?

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Number Resource Organization

Legend: AfriNIC, LACNIC, APNIC, ARIN, RIPE NCC

assignments — vertical axis: 0, 500, 1000, 1500, 2000, 2500, 3000

years: '99, '00, '01, '02, '03, '04, '05, '06, '07, '08

ASN ASSIGNMENTS (RIRs TO CUSTOMERS)
How many total ASNs has each RIR assigned?
(Jan 1999 – Dec 2008)

ARIN **18,233**

AfriNIC **393**

LACNIC **1,281**

APNIC **4,974**

RIPE NCC **16,592**

ASNs

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

SPECIAL PURPOSE 3

RFC 3056
RFC 4773
RESERVED FOR RIPE NCC

ARIN 5

APNIC 7

RIPE NCC 15

Number Resource Organization

IPv6 Allocations RIRs to LIRs/ISPs

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

Legend: ■ AfriNIC ■ LACNIC ■ APNIC ■ ARIN ■ RIPE NCC

IPv6 ALLOCATIONS RIRs to LIRs/ISPs
(Jan 1999 – Dec 2008)

How many total allocations have been made by each RIR?

RIPE NCC **1,199**

AfriNIC **65**

LACNIC **163**

APNIC **453**

ARIN **496**

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

RIPE NCC **33,235**

AfriNIC **65**

LACNIC **175**

ARIN **14,851**

APNIC **24,318**

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