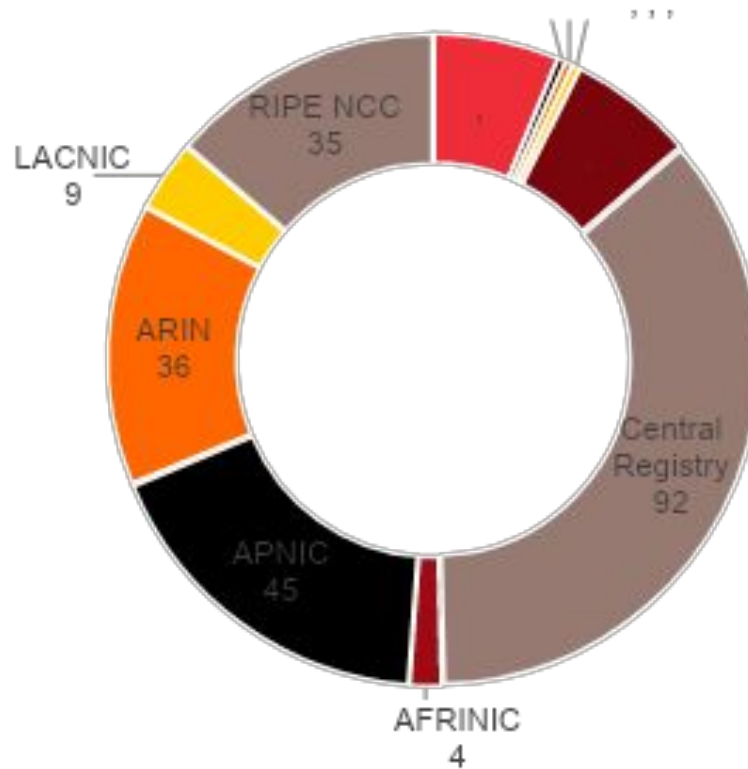# Internet Number Resource Status Report

Prepared by
Regional Internet Registries
AFRINIC, APNIC, ARIN, LACNIC, RIPE NCC

As of 31 March 2021
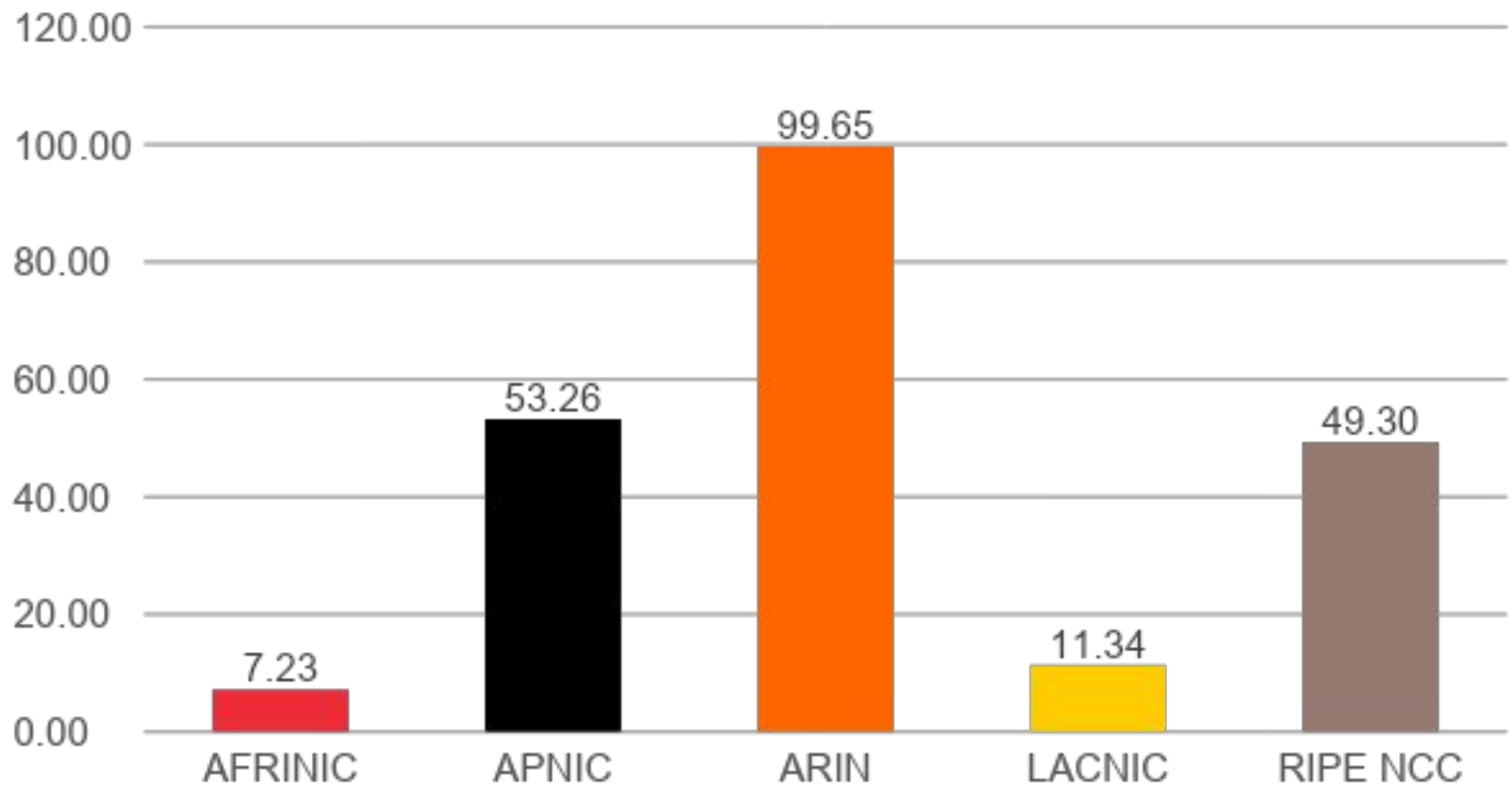
All IPv4 Address Space

Distribution of the 256 /8s

LACNIC 9

RIPE NCC 35

ARIN 36

APNIC 45
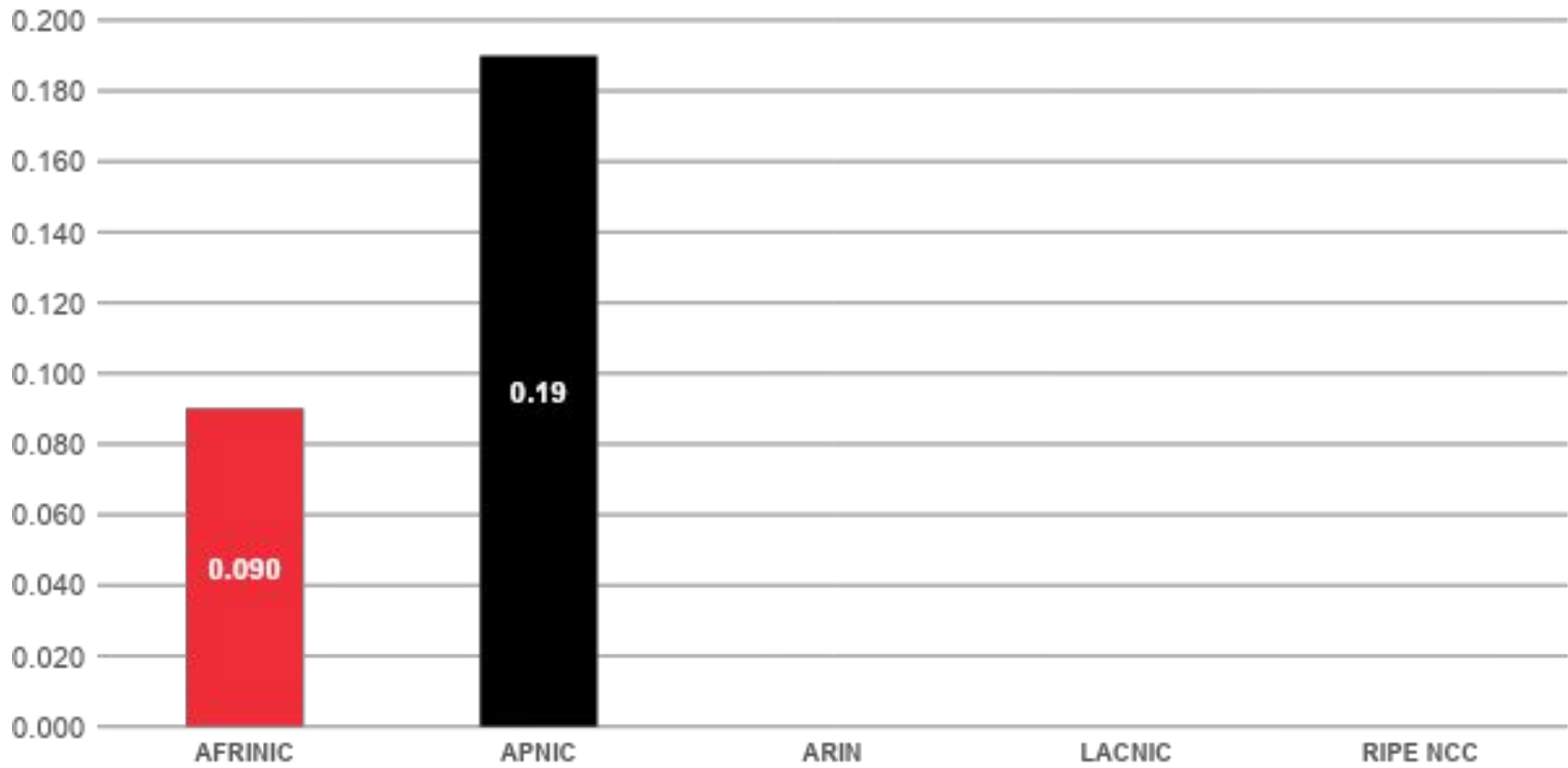
AFRINIC 4

Central Registry 92

NRO

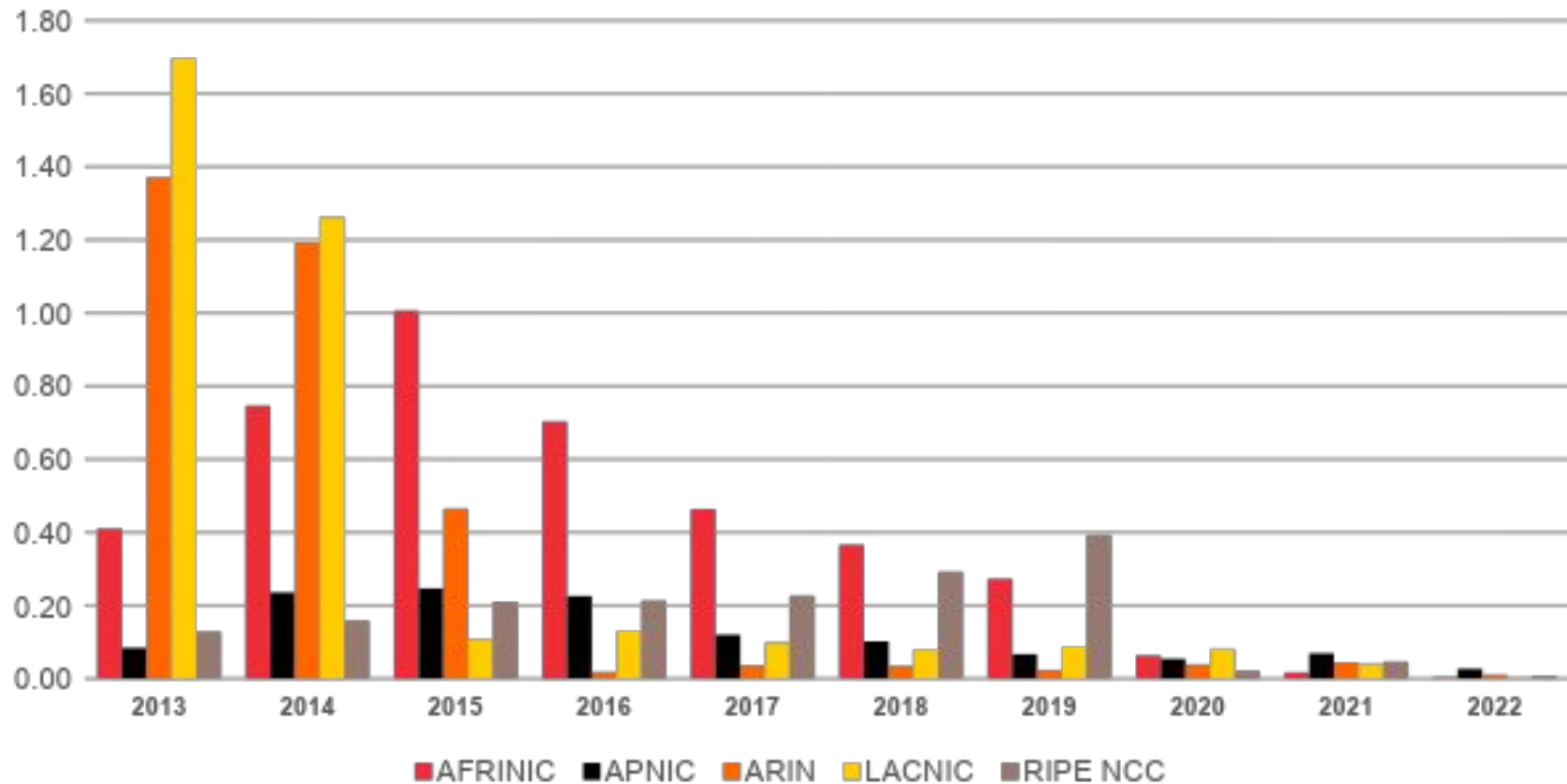# Total IPv4 Addresses Managed by each RIR

In terms of /8s

Available IPv4 Space in each RIR

In terms of /8s

IPv4 Space issued by RIRs

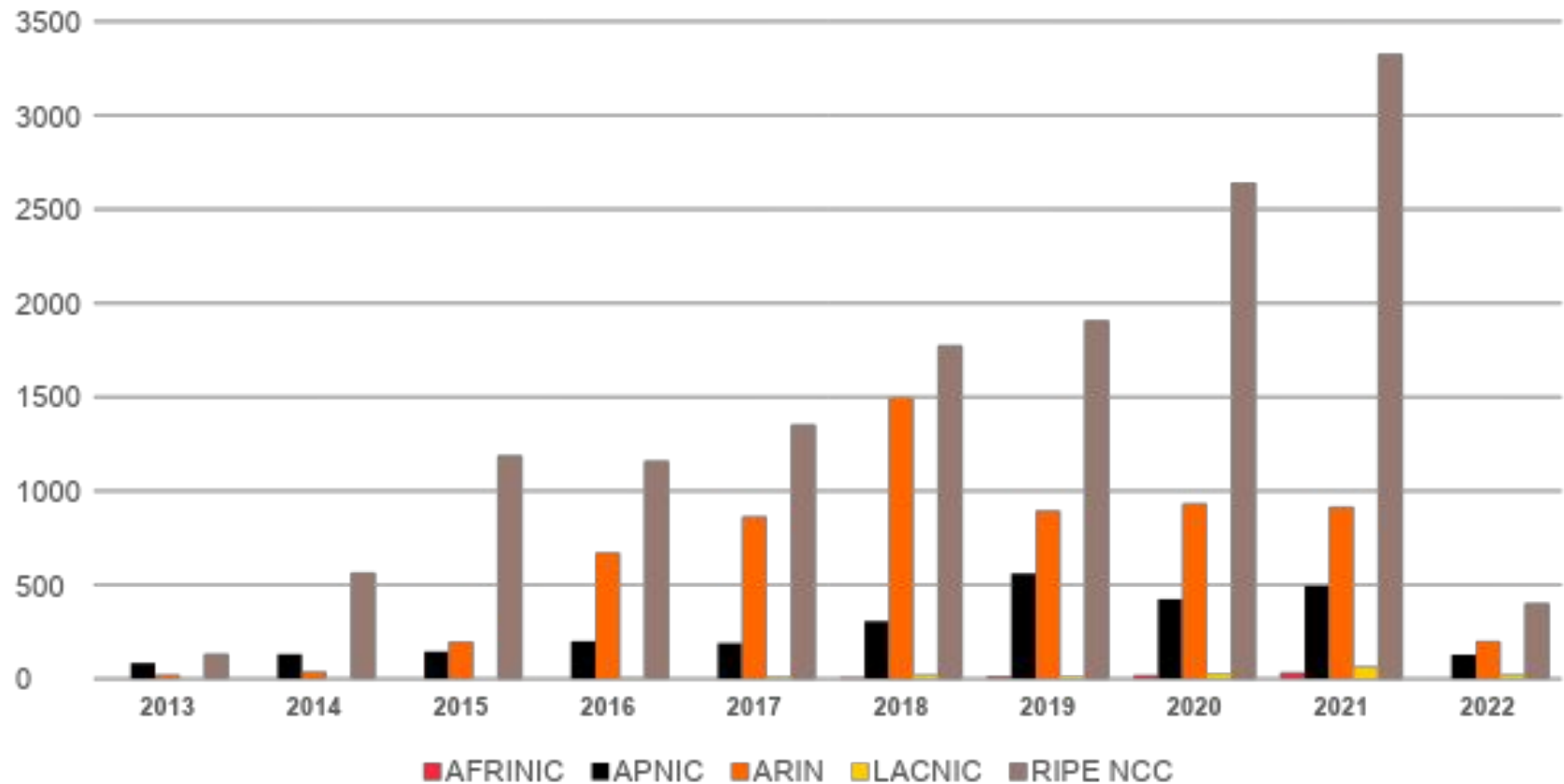In terms of /8s, how much space has each RIR issued per year?
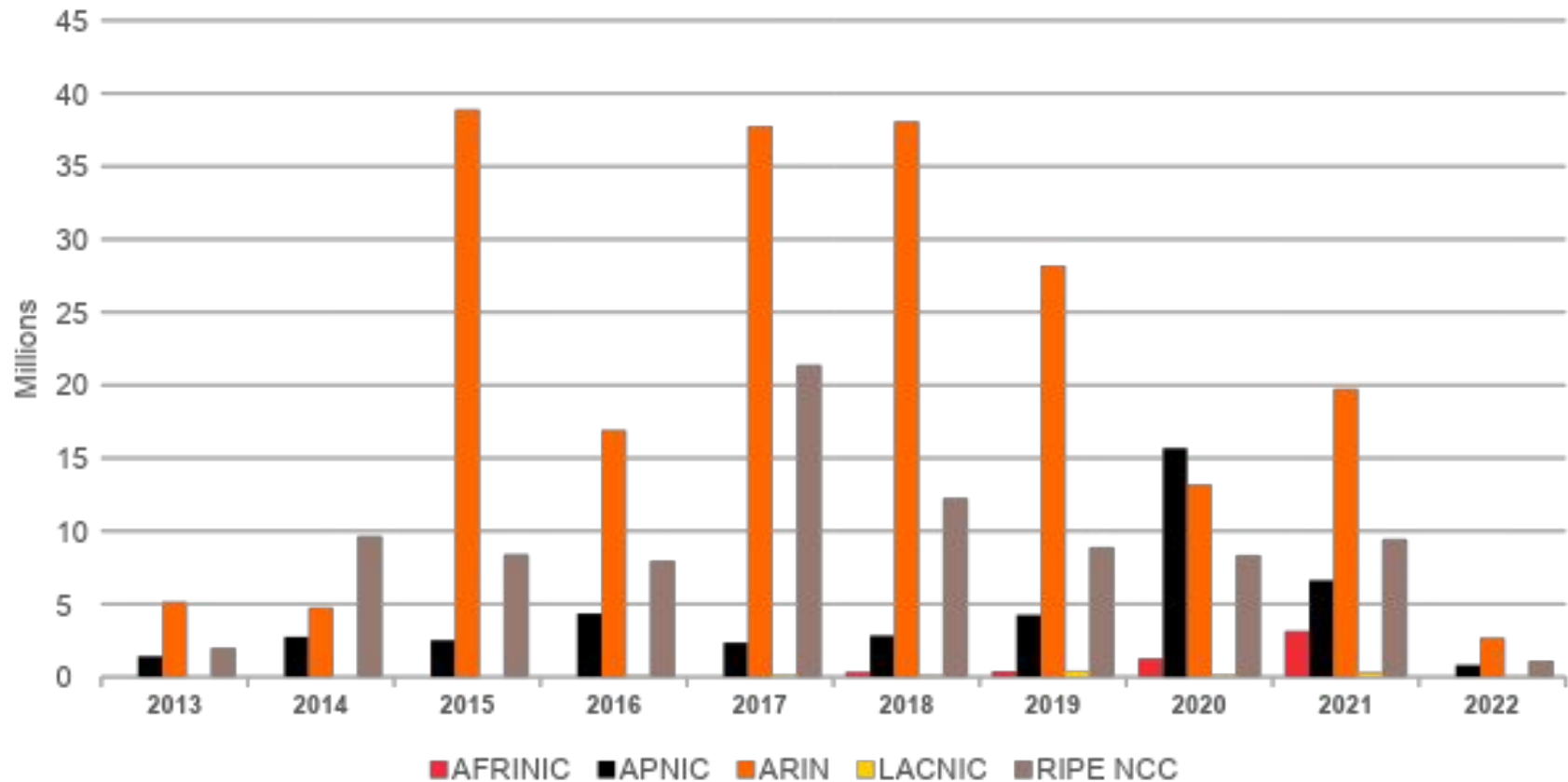
IPv4 Transfers

(exclusive M&A)

Intra-RIR IPv4 Transfers

Number of transfers per year

Intra-RIR IPv4 Transfers

Number of addresses transferred by year

Inter-RIR IPv4 Transfers

Total number of IPv4 transfers between RIRs

Recipient RIR

Source RIR	AFRINIC	APNIC	ARIN	LACNIC	RIPE NCC
AFRINIC		0	0	0	0
APNIC	0		104	0	194
ARIN	0	380		14	468
LACNIC	0	1	17		22
RIPE NCC	0	125	189	5	

Inter-RIR Transferred IPv4 Addresses

Total number of IPv4 addresses transferred between RIRs

Recipient RIR

Source RIR	AFRINIC	APNIC	ARIN	LACNIC	RIPE NCC
AFRINIC		0	0	0	0
APNIC	0		.263M	0	1.531M
ARIN	0	19.402M		.021M	10.418M
LACNIC	0	.002M	.037M		.382M
RIPE NCC	0	2.267M	1.197M	.004M	

IPv6

All IPv6 Address Space

How much has been allocated to the RIRs?

Allocations to RIRs since October 2006

RIR	IPv6 Prefix
AFRINIC	2c00::/12
APNIC	2400::/12
ARIN	2600::/11
LACNIC	2800::/12
RIPE NCC	2a00::/11

/0

IETF Reserve /1, /2+

Link-Scoped Unicast /10
Unique Local Unicast /7
Multicast /8

Global Unicast /3

IANA Reserve 504 /12s

/12

IETF Reserve /23

6to4 /16

Allocated to RIRs before Oct 2006   /17, /18+
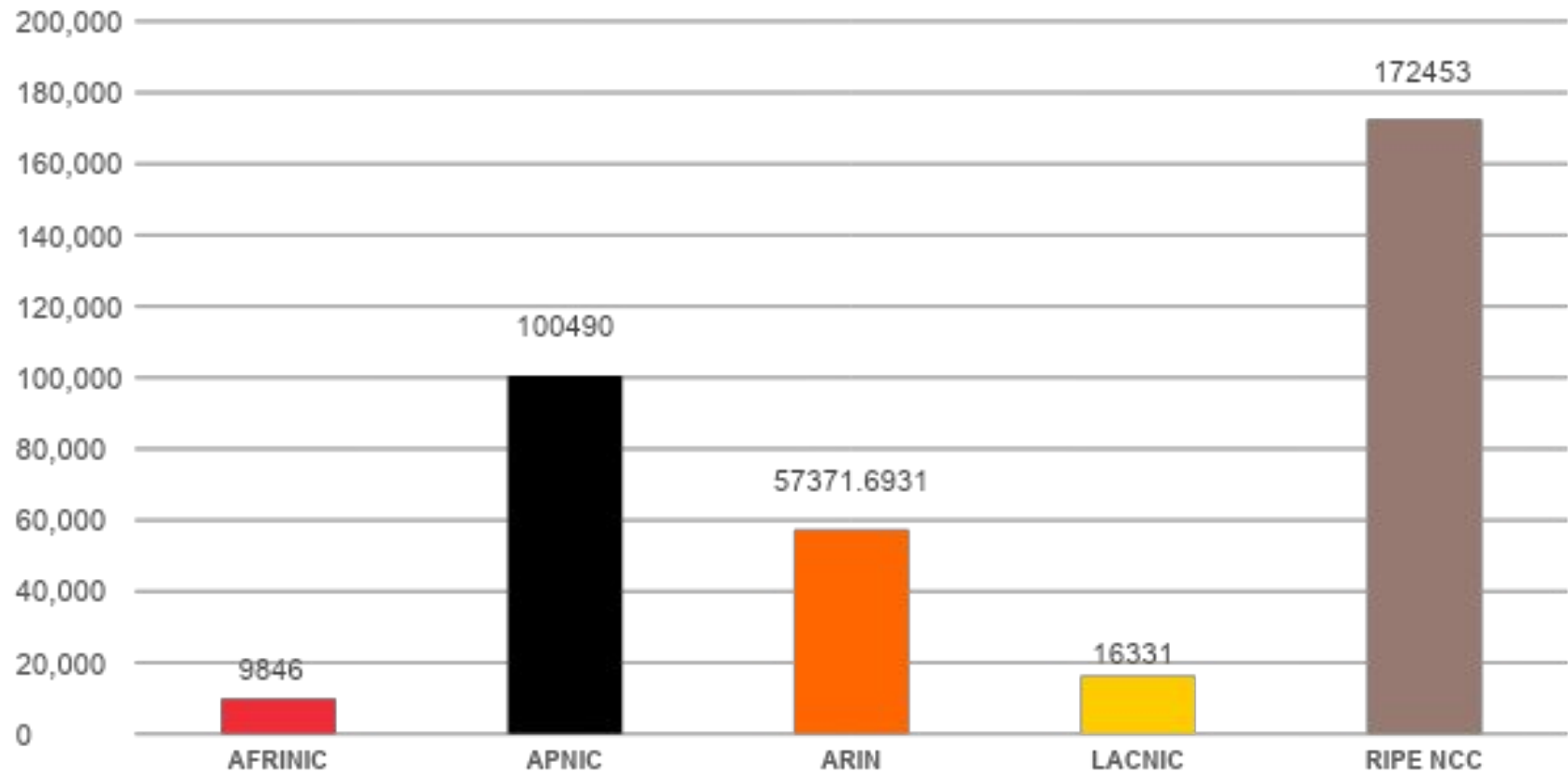
IANA Reserve /12-

NRO
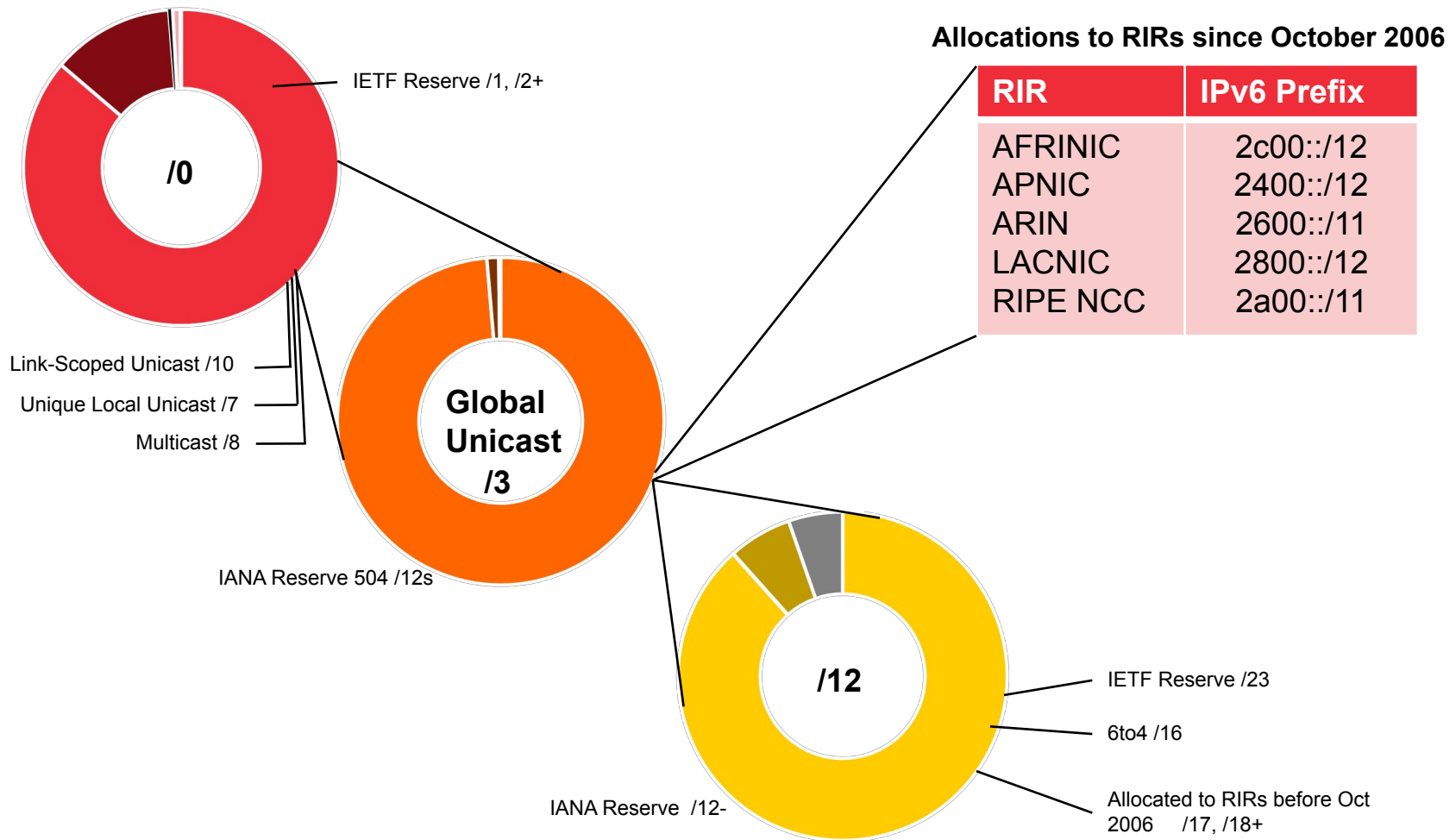
IPv6 Allocations Issued by RIRs

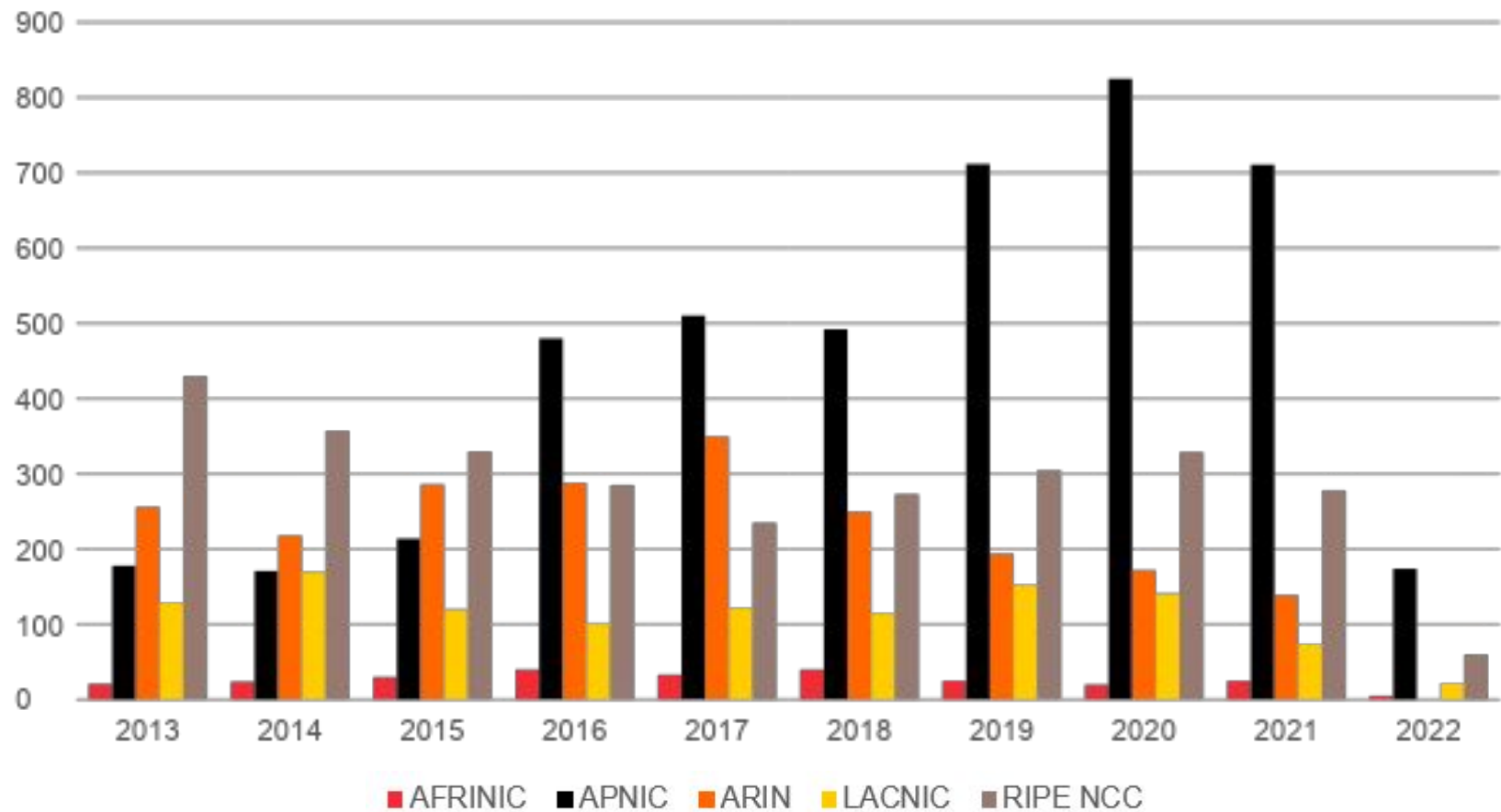How many prefixes has each RIR allocated per year?
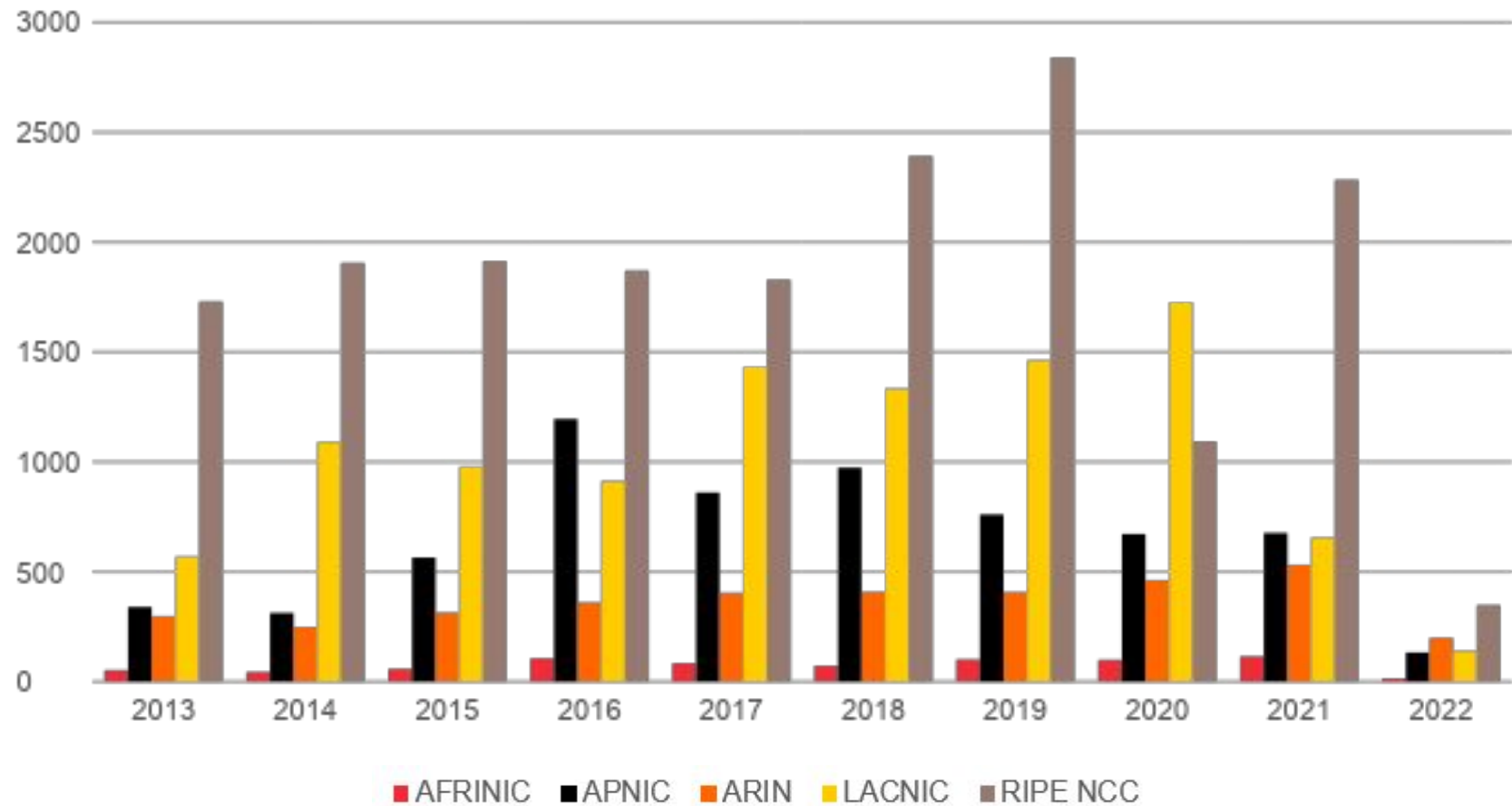
Total Allocated IPv6 Space

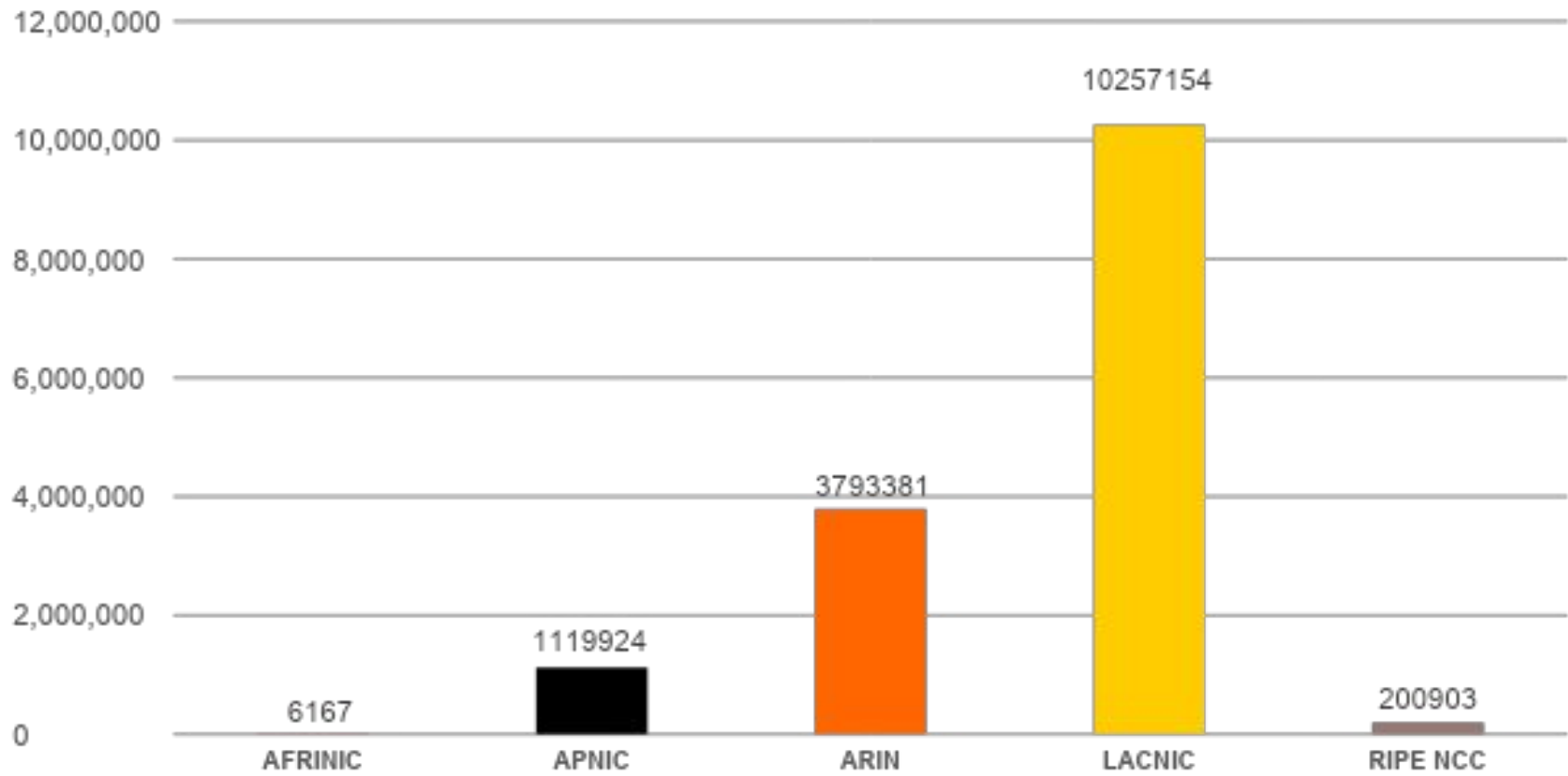Total size of IPv6 space (in /32s) that each RIR has allocated

IPv6 Assignments Issued by RIRs

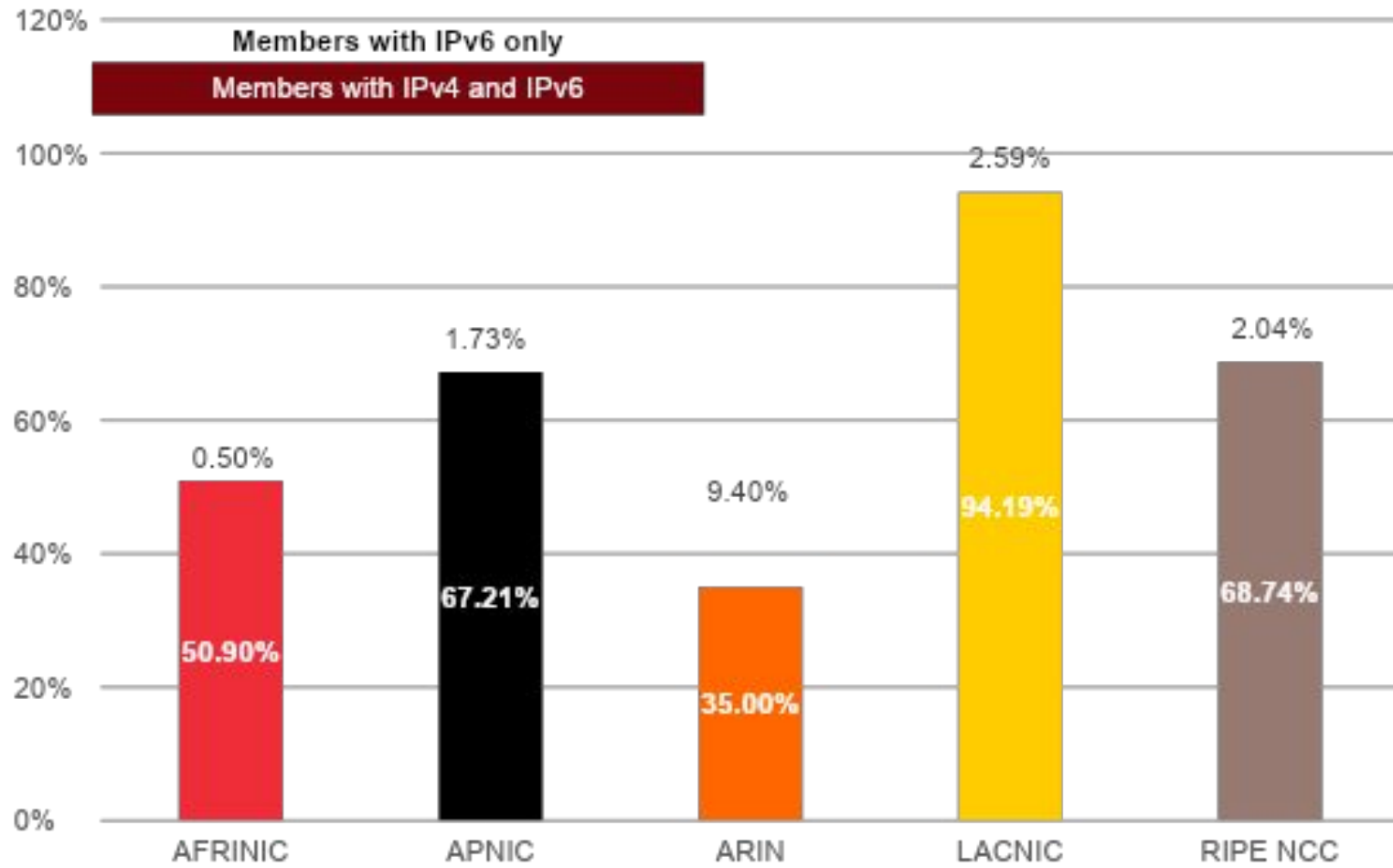How many prefixes has each RIR assigned per year?

Total Assigned IPv6 Space

Total size of IPv6 space (in /48s) that each RIR has assigned
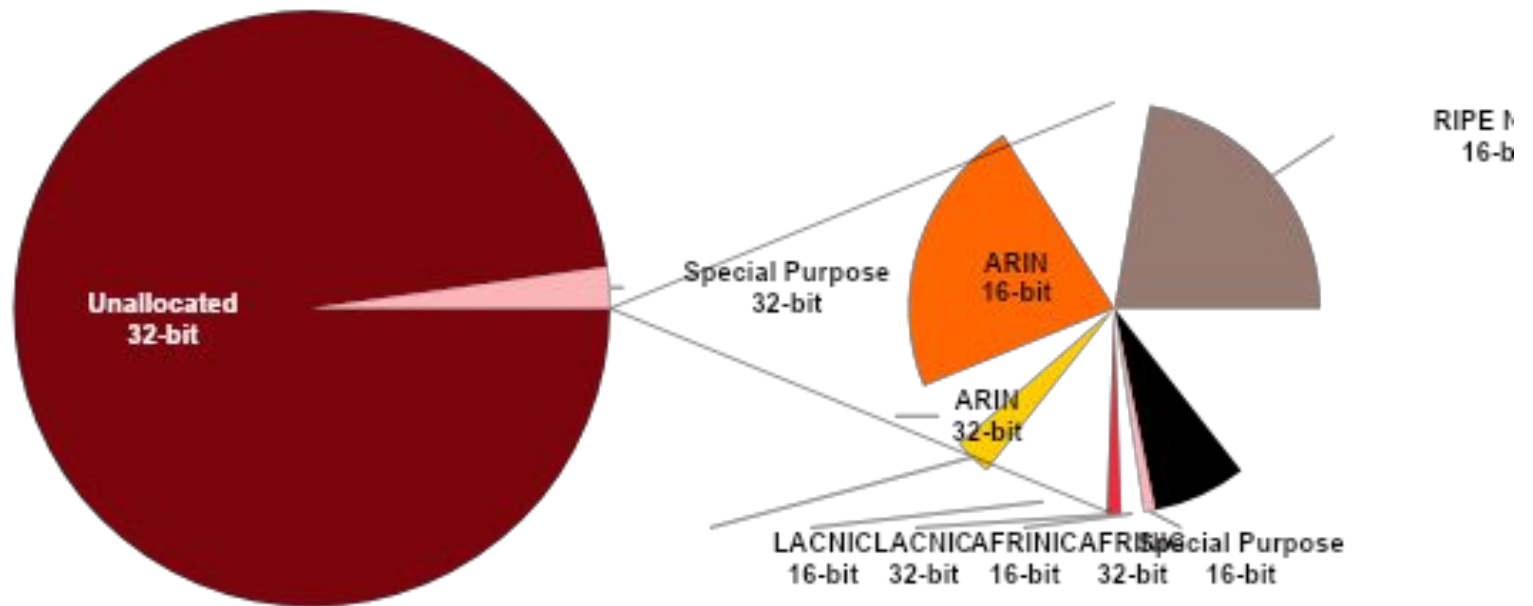
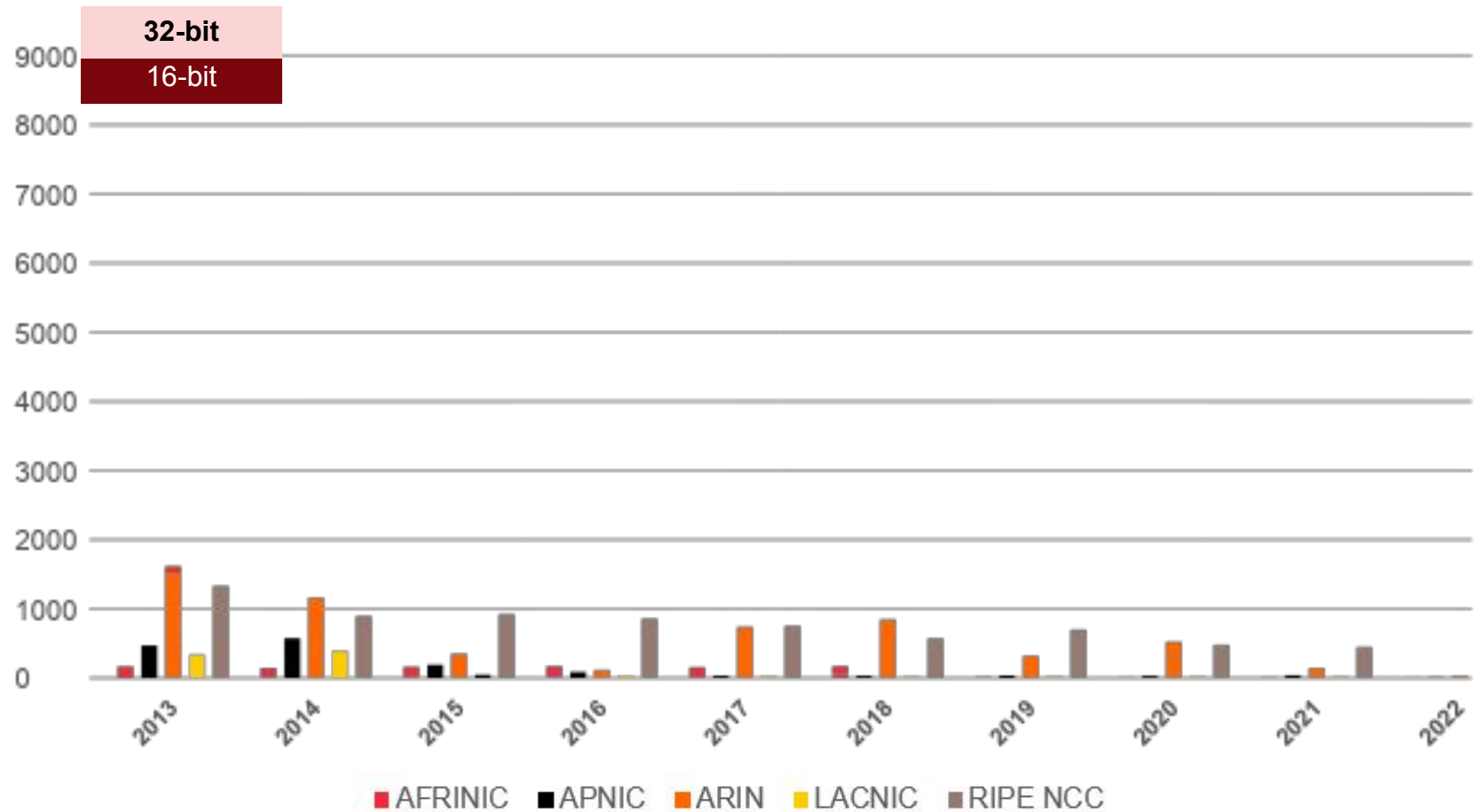# Percentage of Members with IPv6 in each RIR

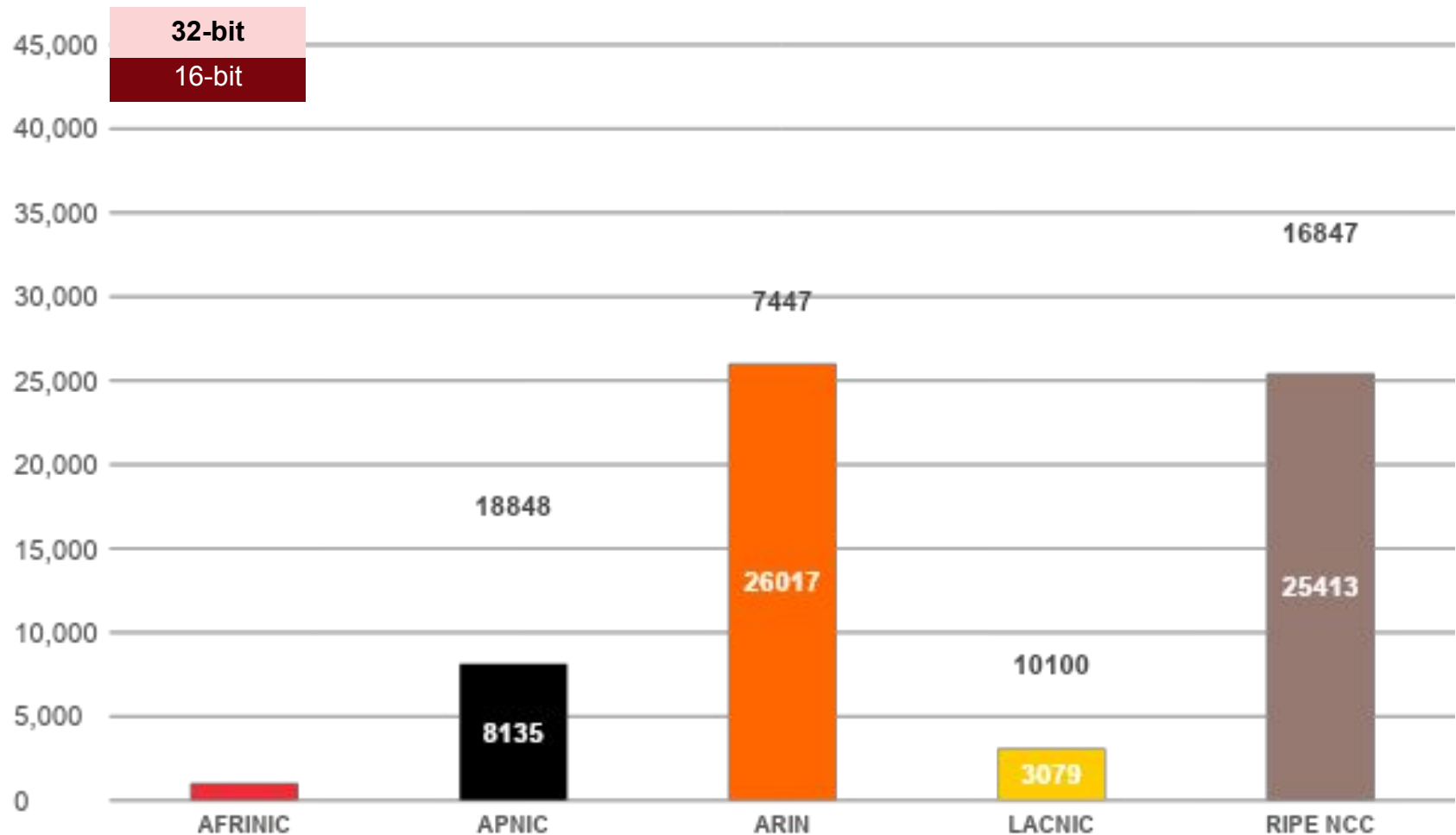# AS Numbers

AS Numbers

All ASNs

ASN Assignments by RIRs

How many ASNs has each RIR issued per year?

Total ASNs Assigned by each RIR

References

- NRO Statistics
  www.nro.net/statistics

- IANA Number Resources
  https://www.iana.org/numbers

Thank You