NRO

Number Resource Organization

INTERNET NUMBER RESOURCE STATUS REPORT

As of 31 December 2017

Prepared by

Regional Internet Registries

AFRINIC, APNIC, ARIN, LACNIC and the RIPE NCC

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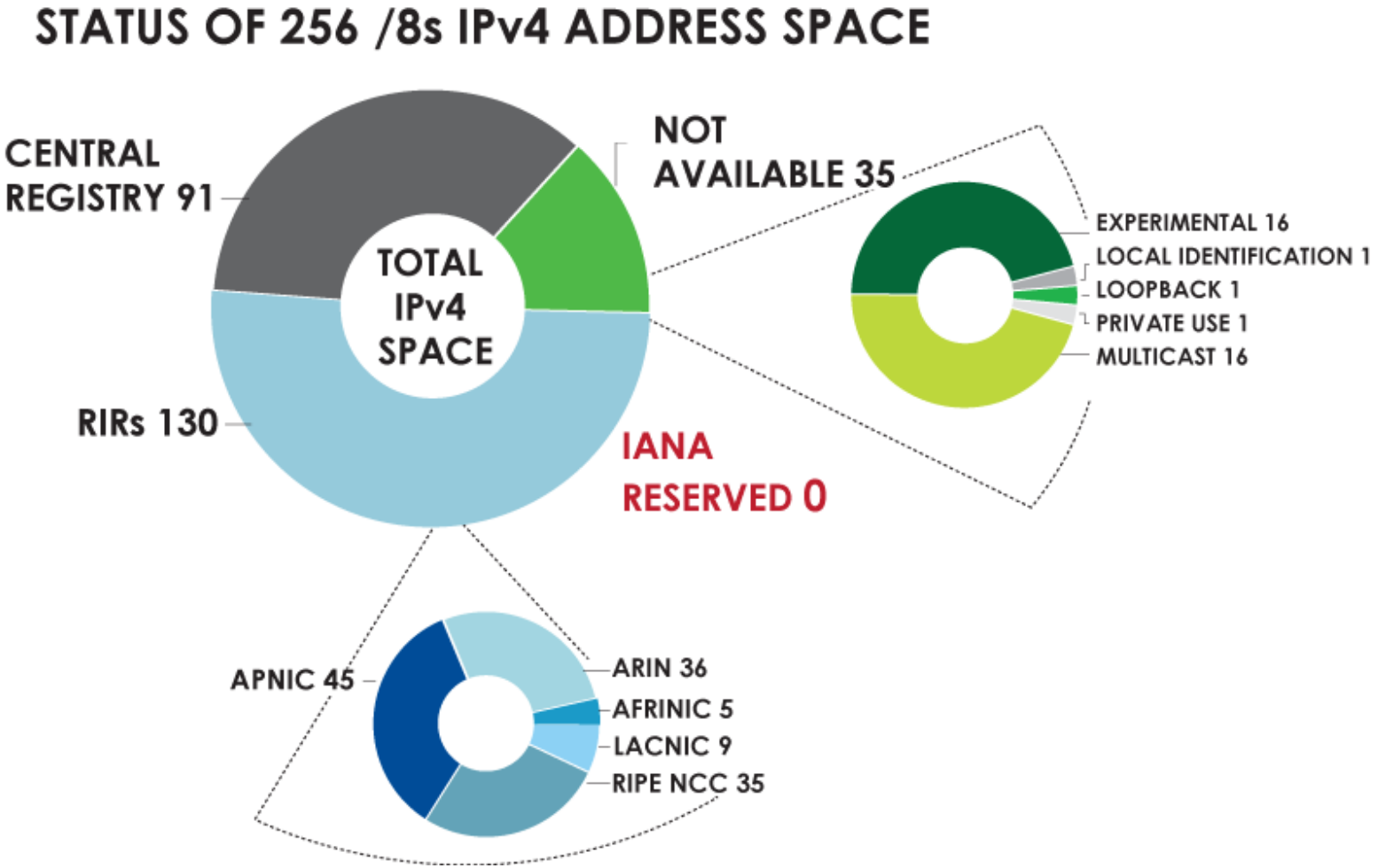
IPv4 ADDRESS SPACE

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



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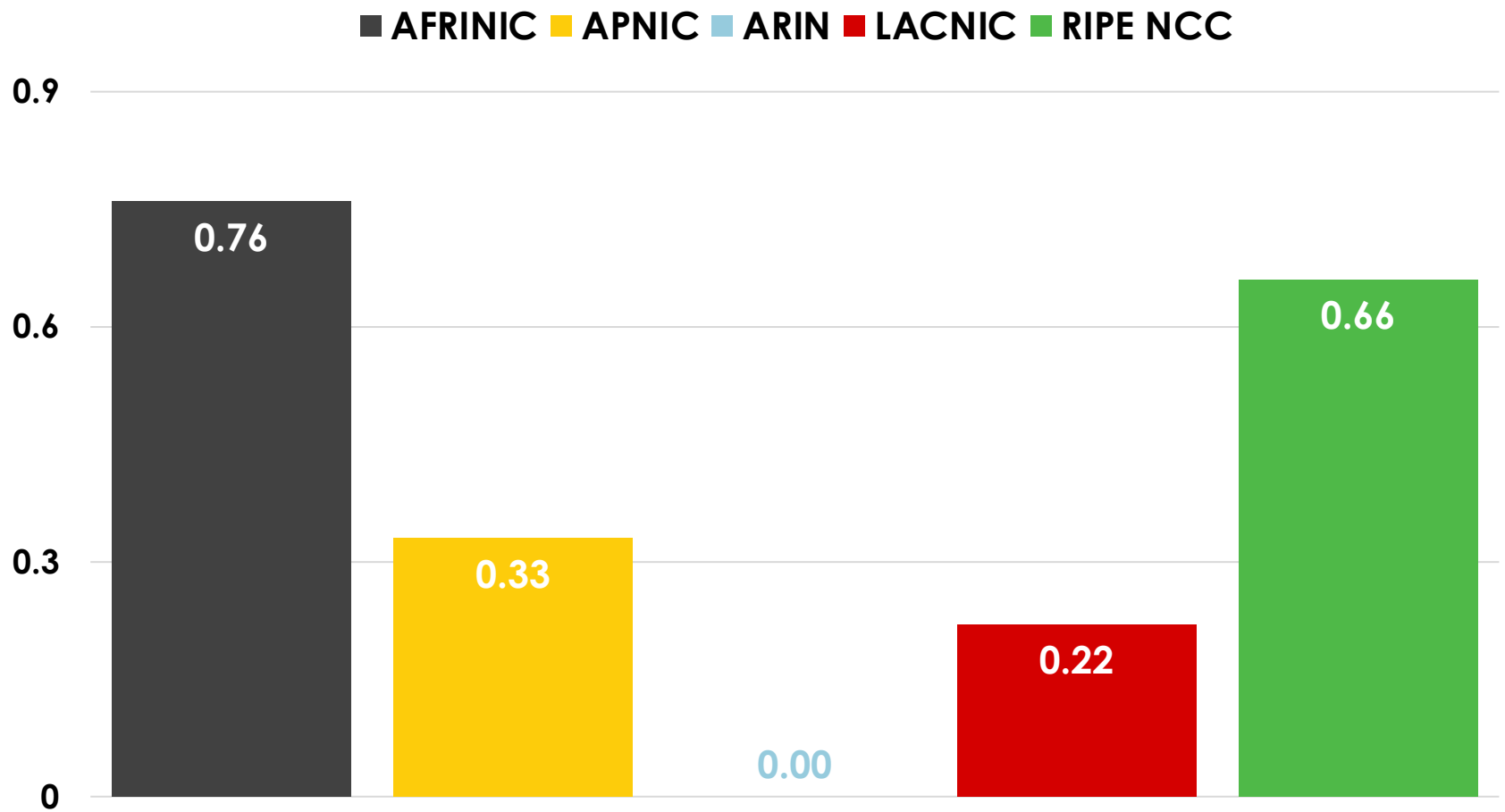
Available IPv4 /8s In Each RIR



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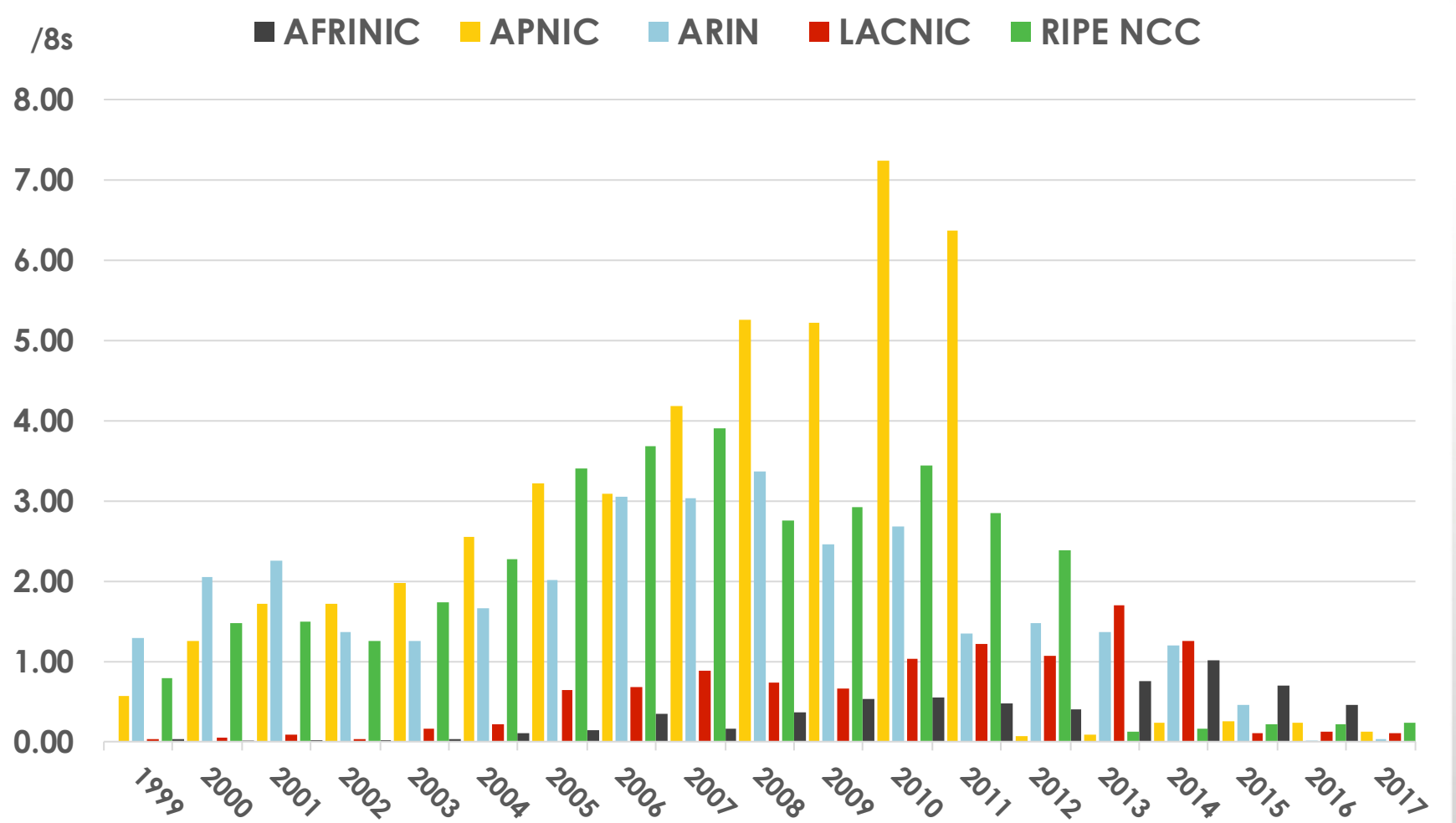
IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

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



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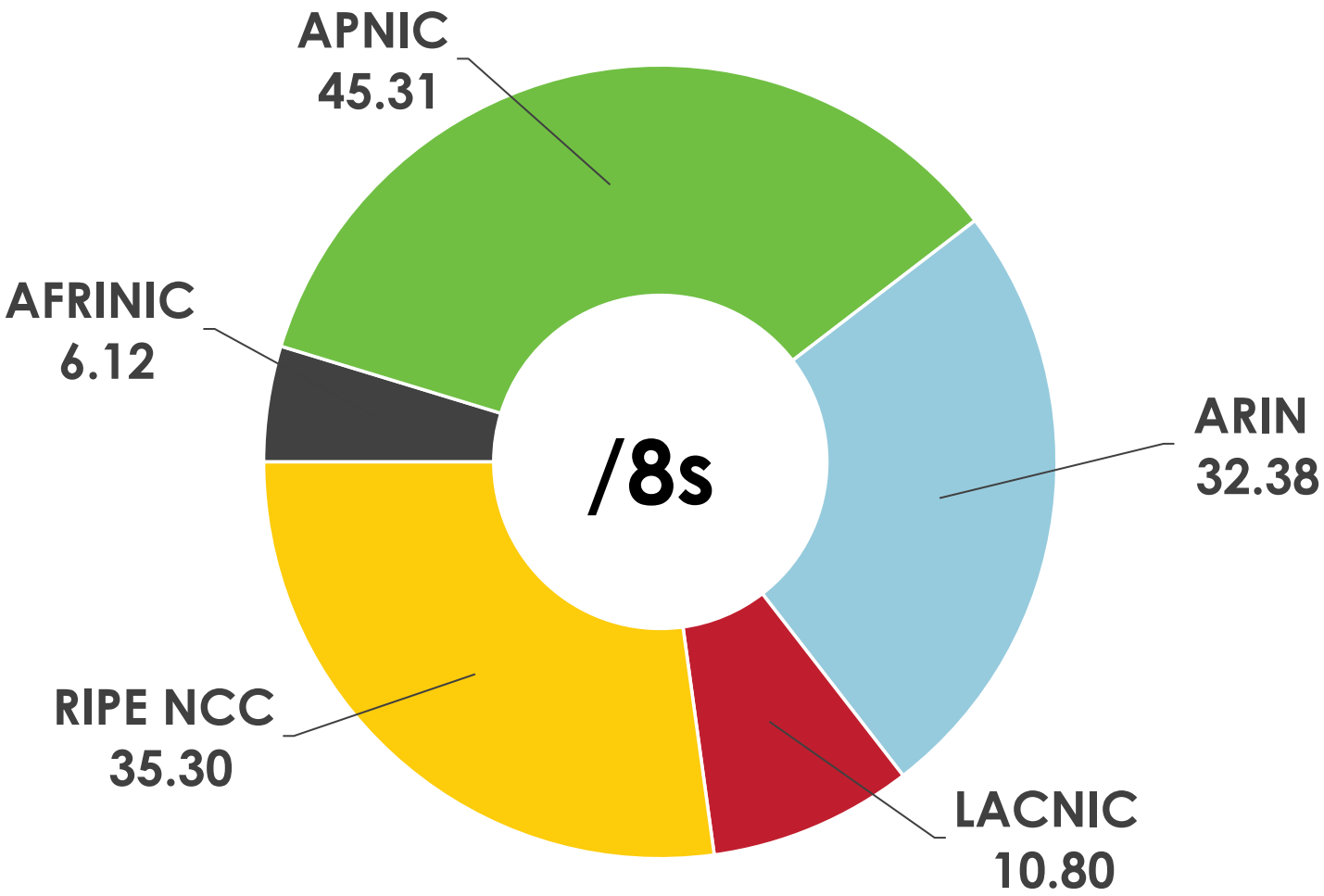
IPv4 ADDRESS SPACE ISSUED
(RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Dec 2017)



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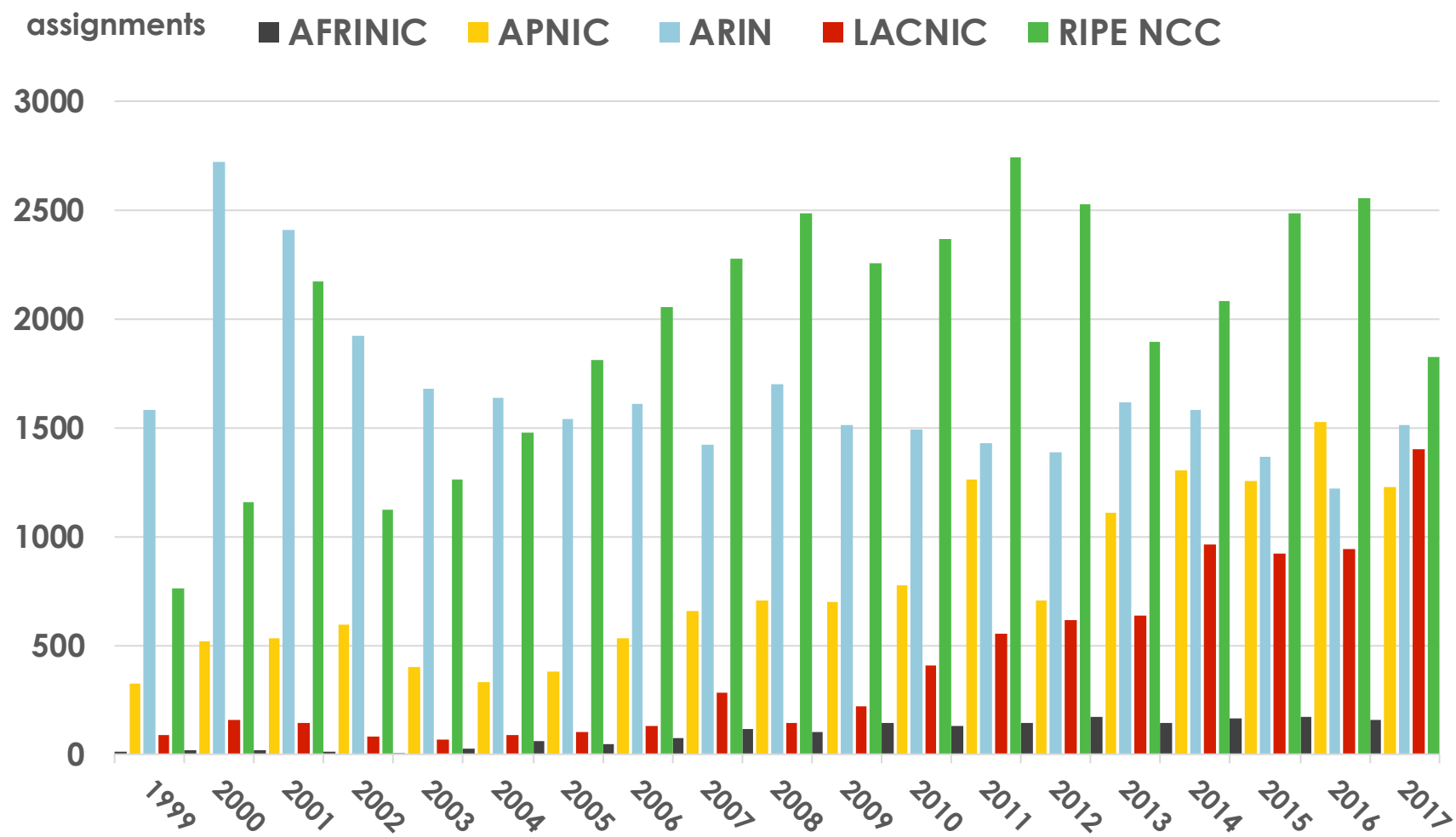
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?



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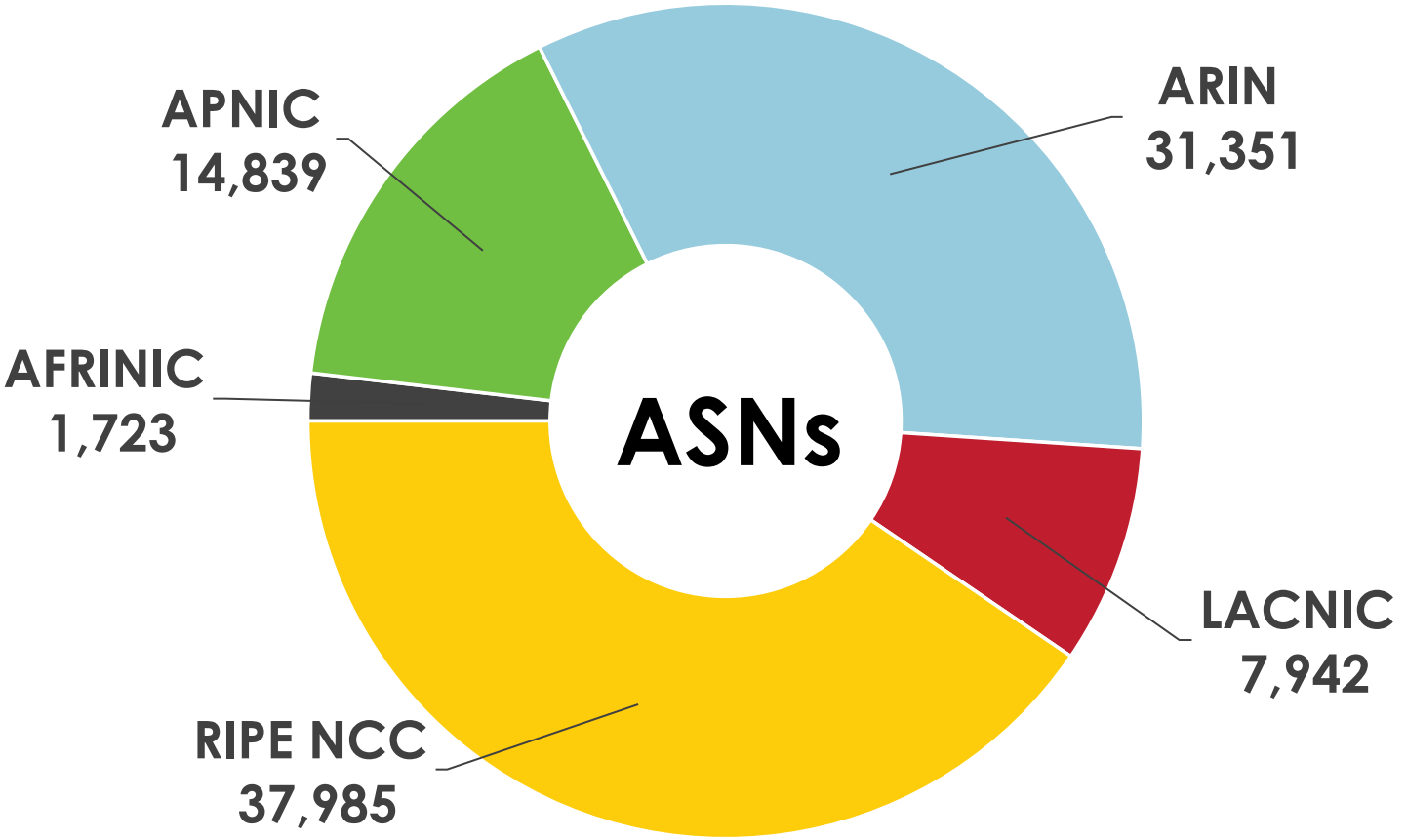
ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – Dec 2017)



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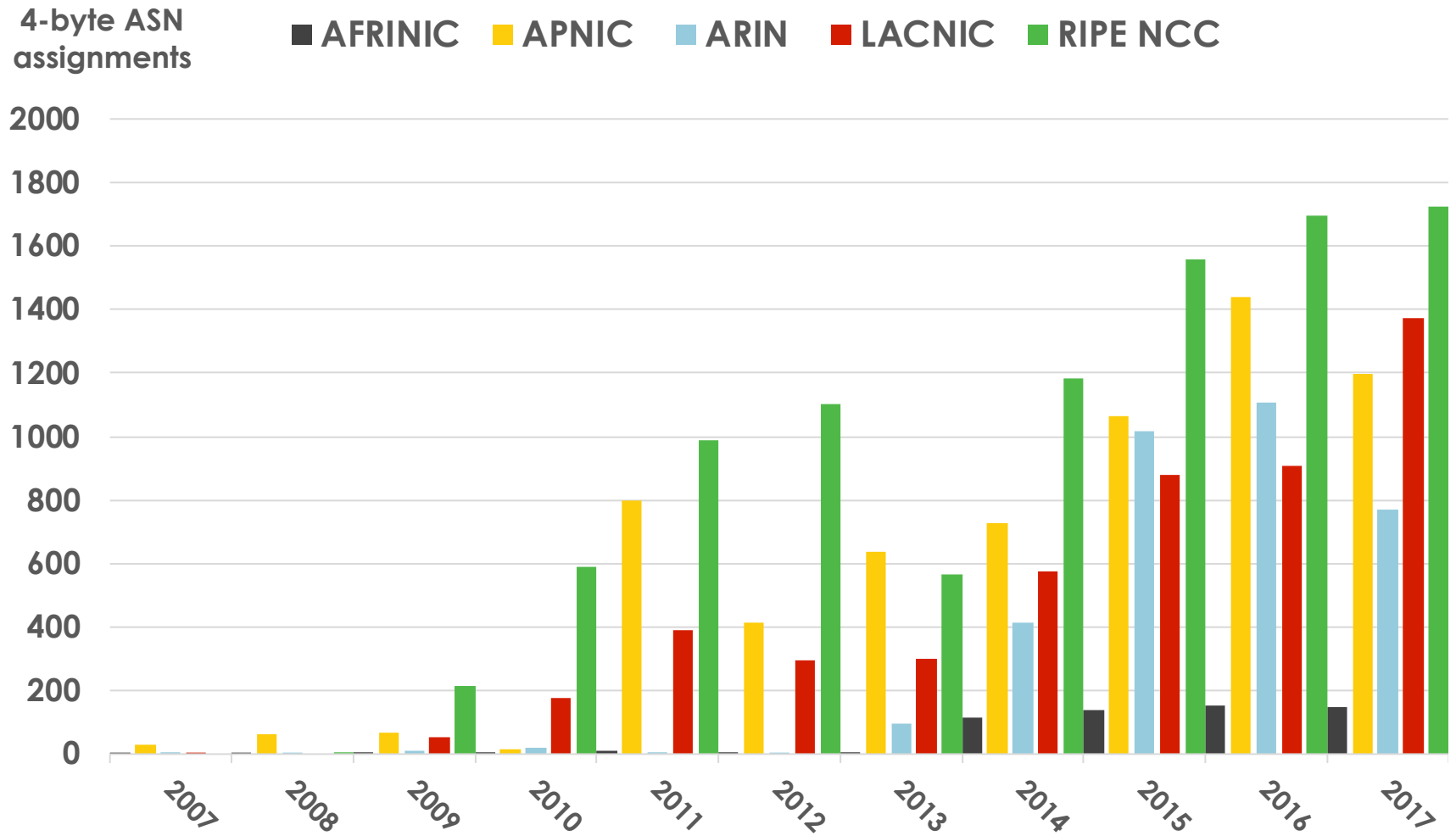
4-BYTE ASN ASSIGNMENTS

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



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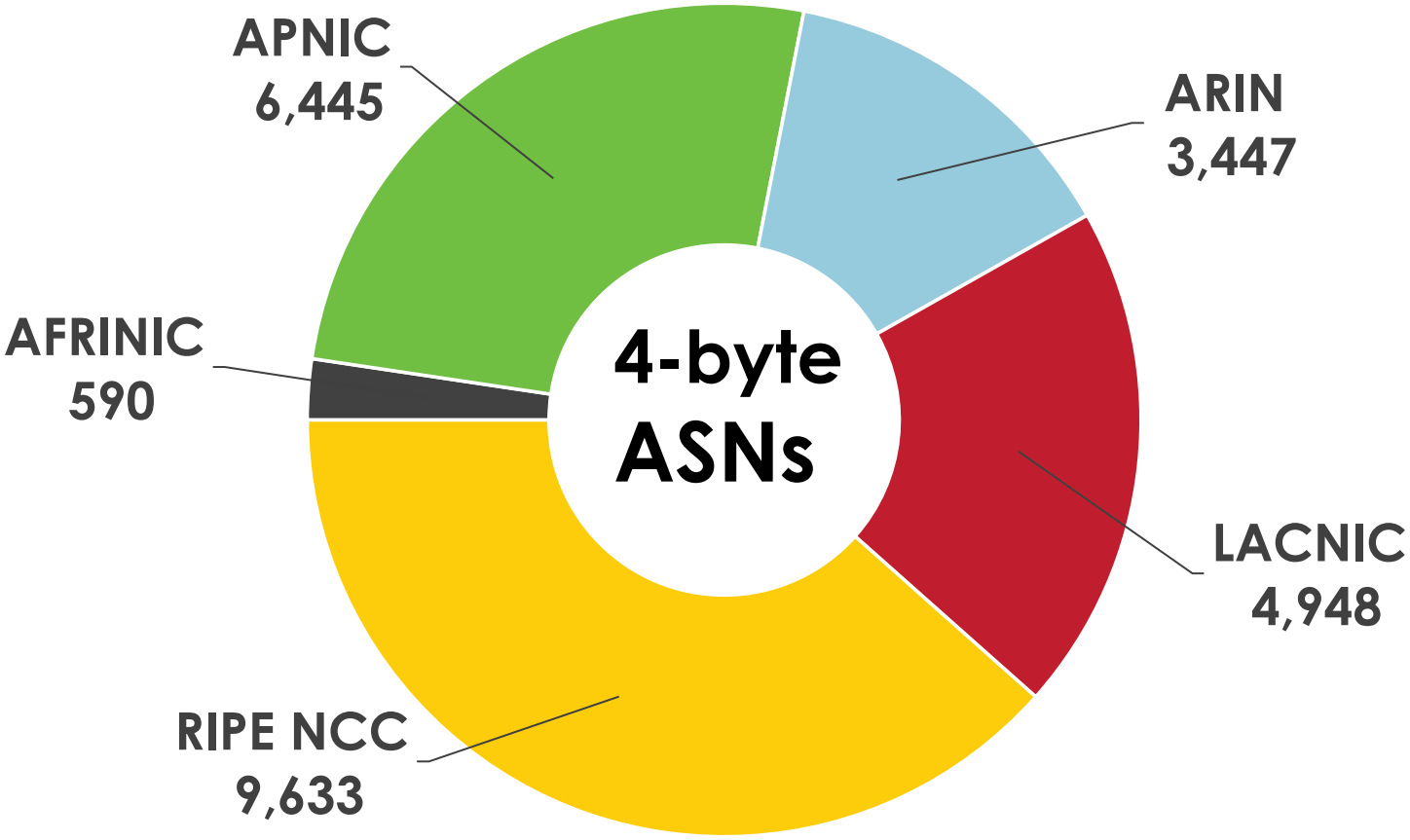
4-BYTE ASN ASSIGNMENTS

How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – Dec 2017)



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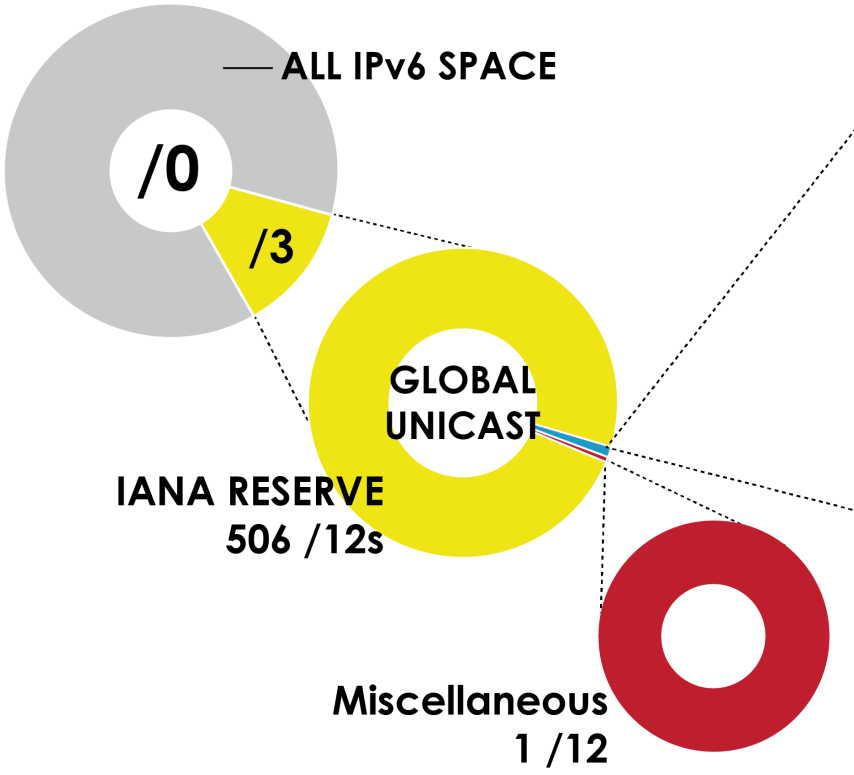
IPv6 ADDRESS SPACE

How much has been allocated to the RIRs?



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

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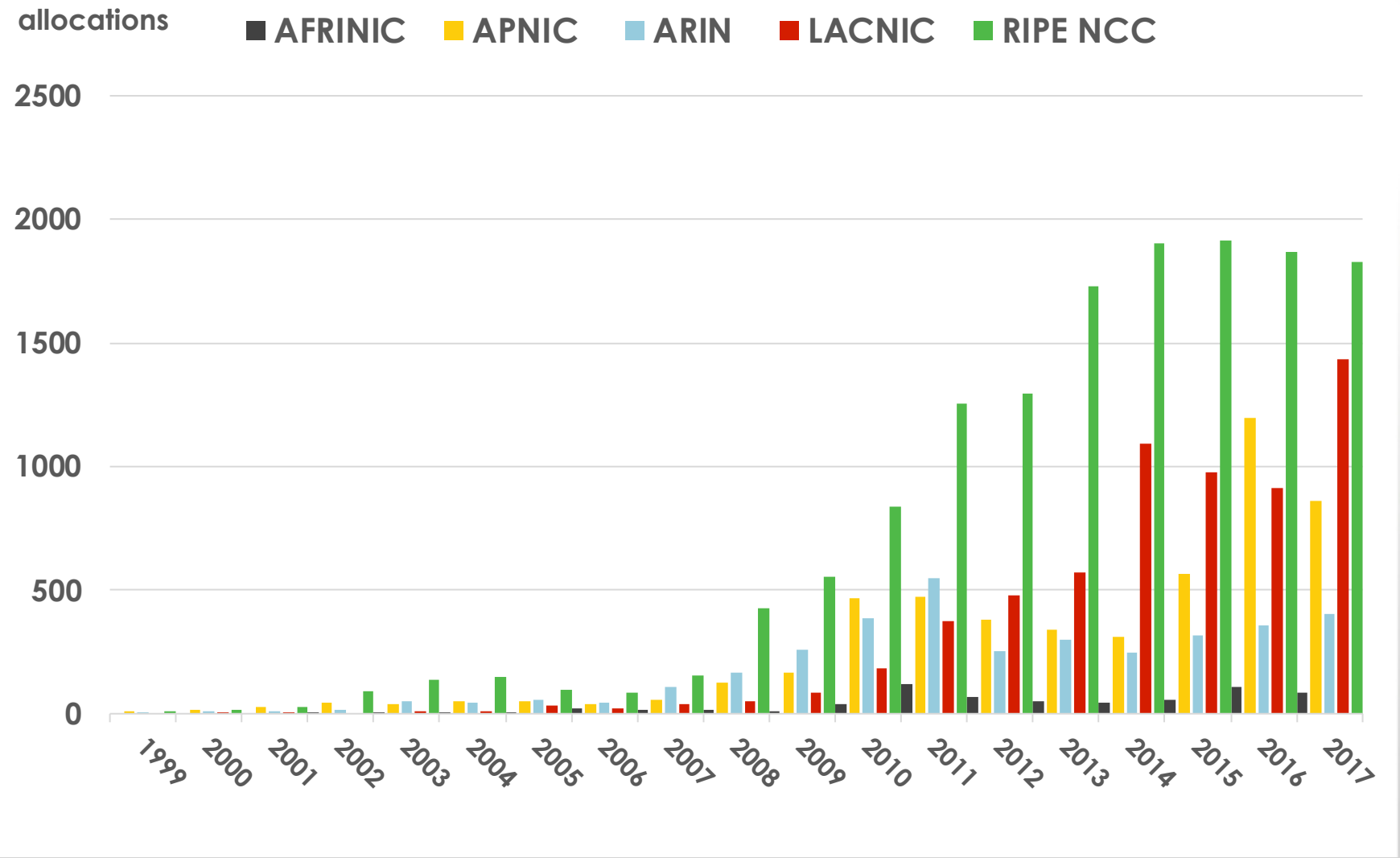
IPv6 ALLOCATIONS
(RIRs TO LIRs/ISPs)

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



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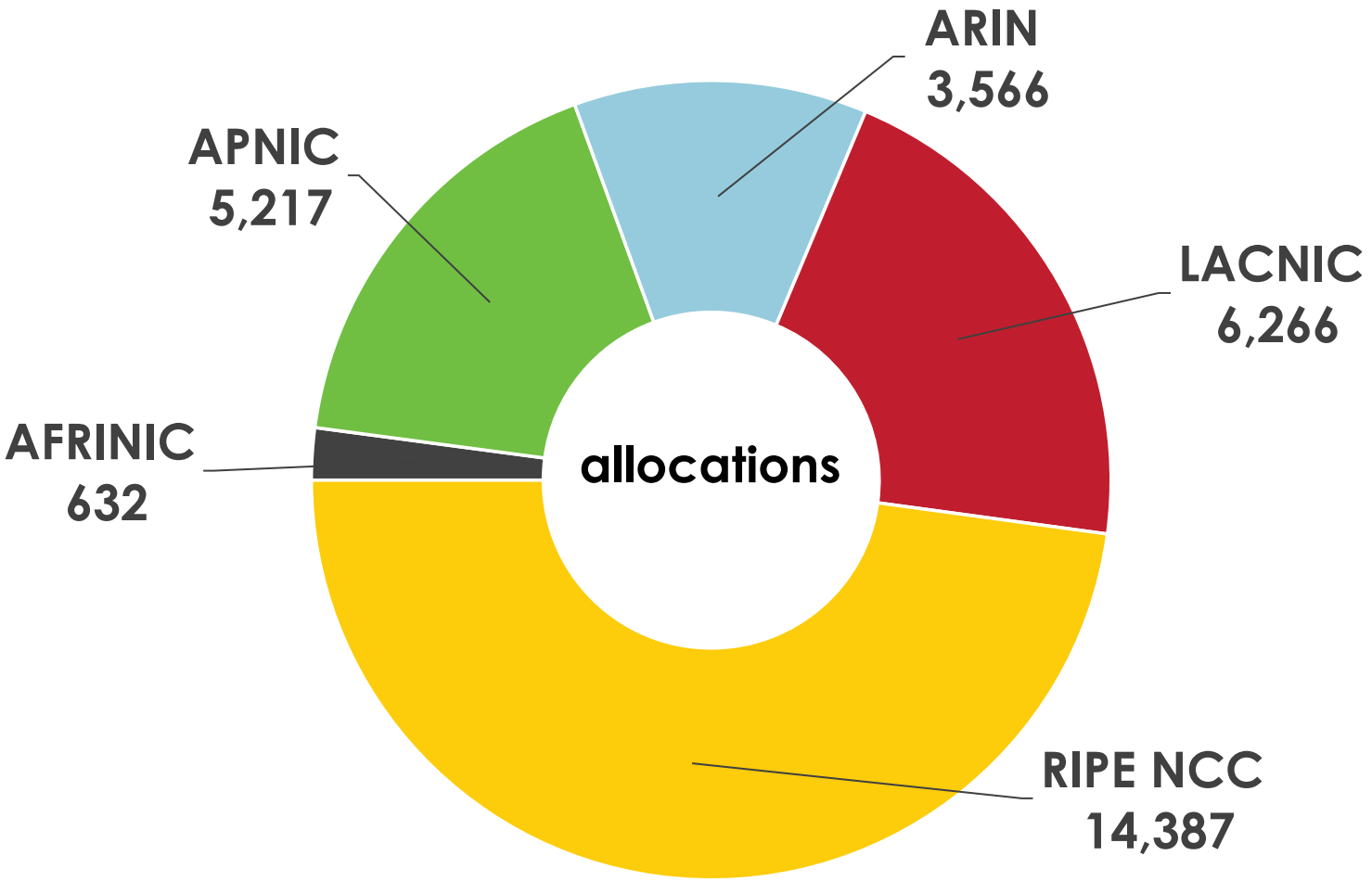
IPv6 ALLOCATIONS

(RIRs TO LIRs/ISPs)

How many total allocations have been made by each RIR?
(Jan 1999 – Dec 2017)



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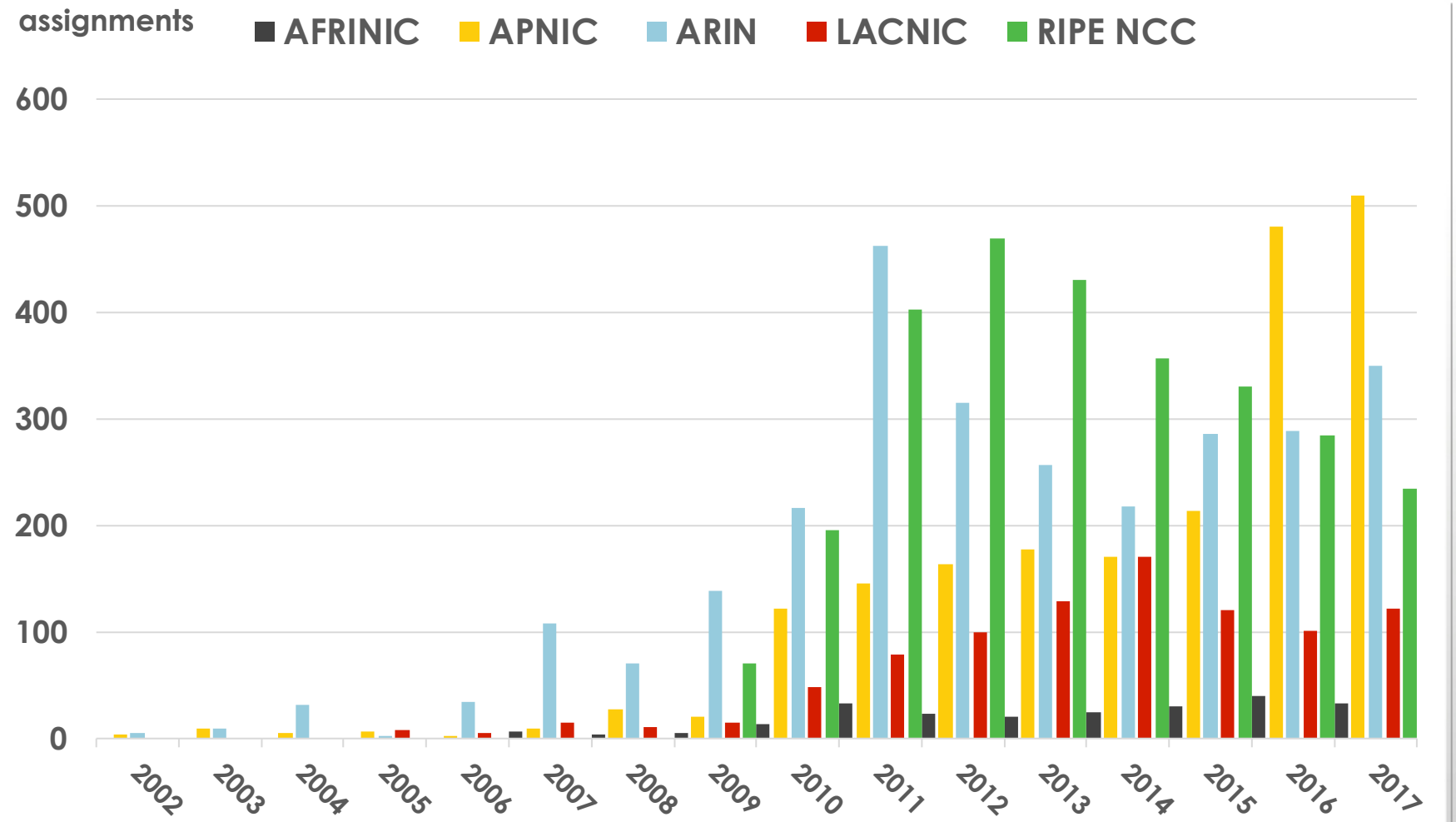
IPv6 ASSIGNMENTS RIRS TO END-USERS

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



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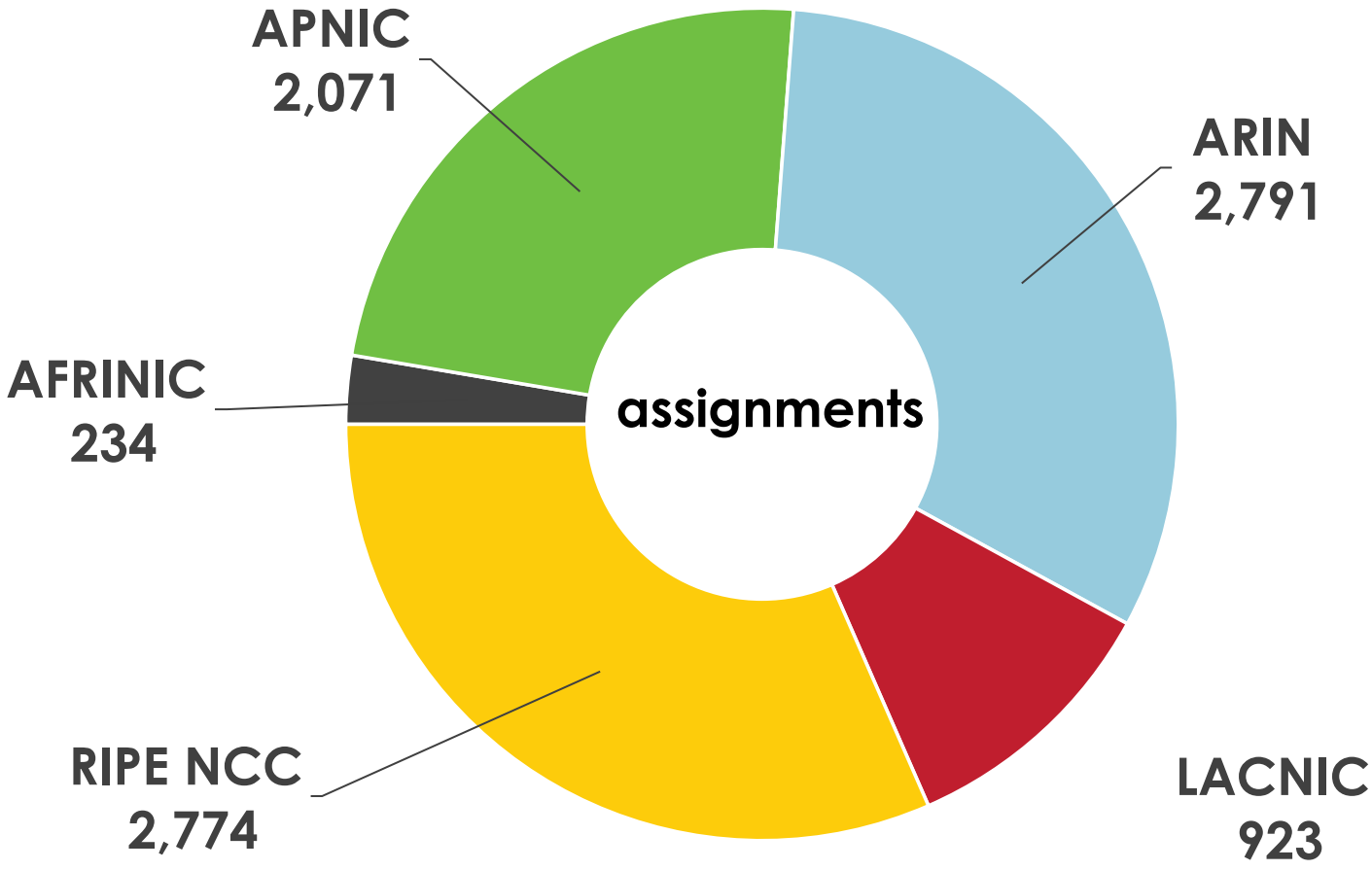
IPv6 ASSIGNMENTS

(RIRs TO END-USERS)

How many total assignments have been made by each RIR?
(Jan 2002 – Dec 2017)



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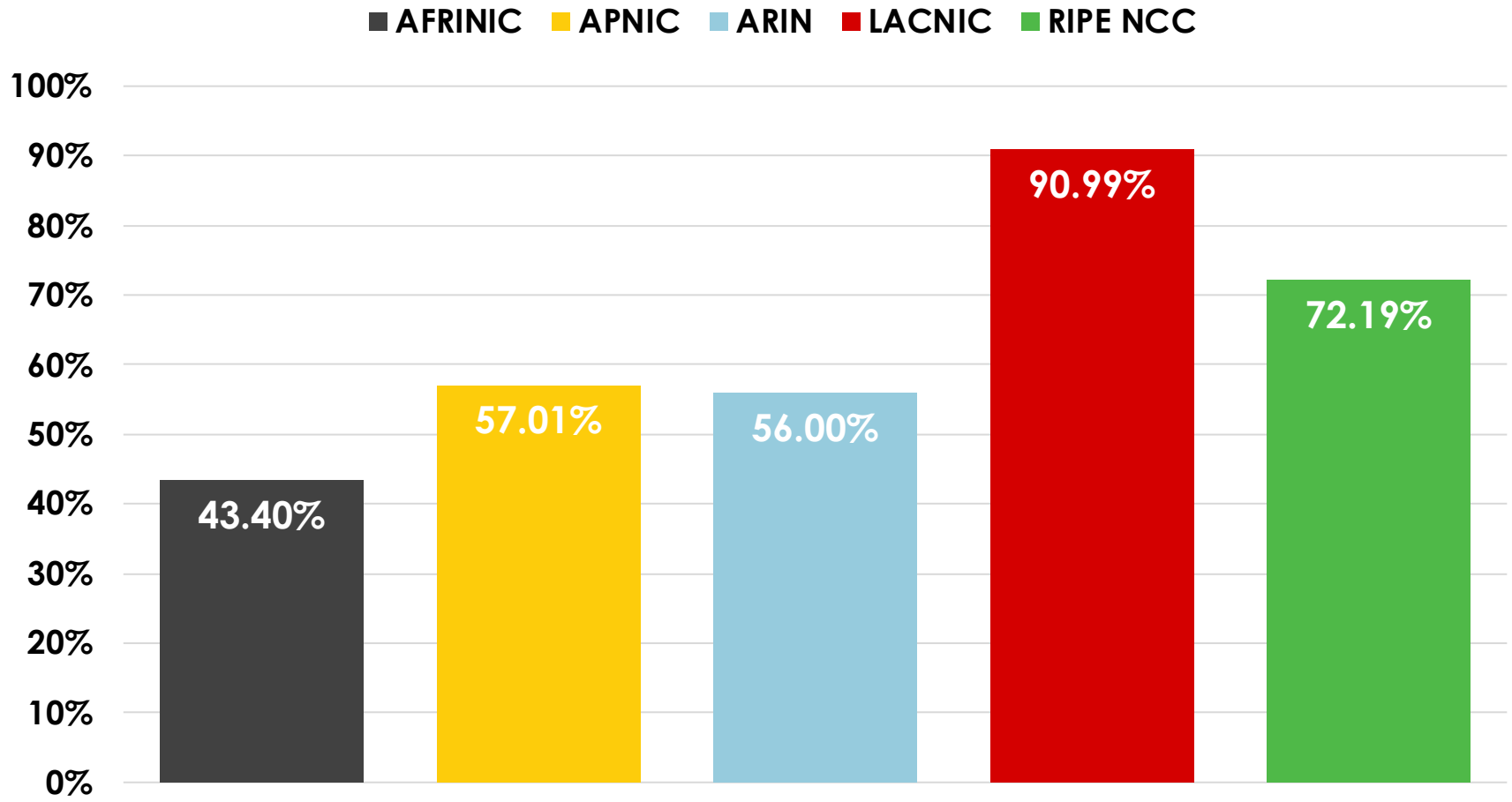
PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR



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LINKS TO RIR STATISTICS

- **RIR Stats:**
  www.nro.net/statistics

- **Raw Data/Historical RIR Allocations:**
  www.iana.org/assignments/ipv4-address-space
  www.iana.org/assignments/as-numbers
  www.iana.org/assignments/ipv6-unicast-address-assignments

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THANK YOU

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