

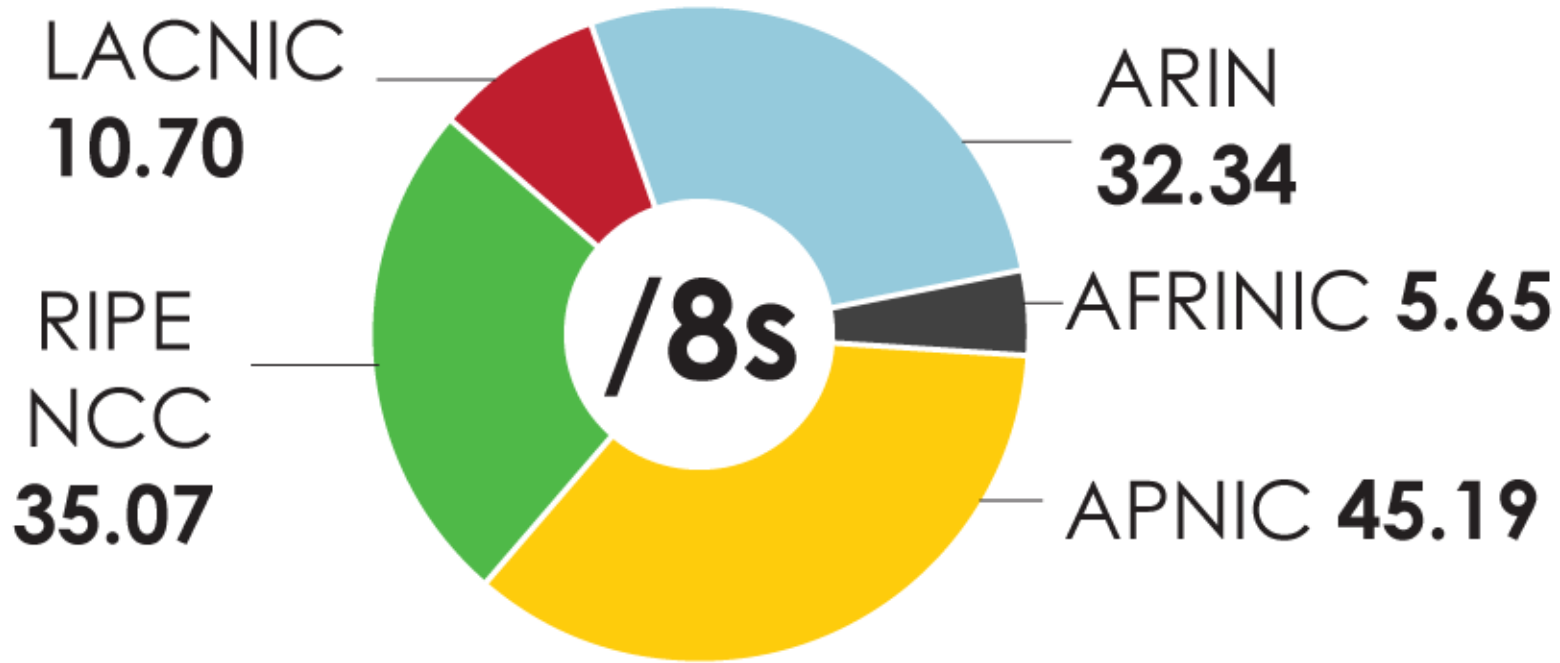


2001:610:240:0 193:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193:0:0:203 195:048:02:03
62:109:128 195:048:02:03 2001:610:240 193:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193:0:0:203
193:0:0:203 2001:610:240:0 193:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193:0:0:203
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



IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Dec 2016)

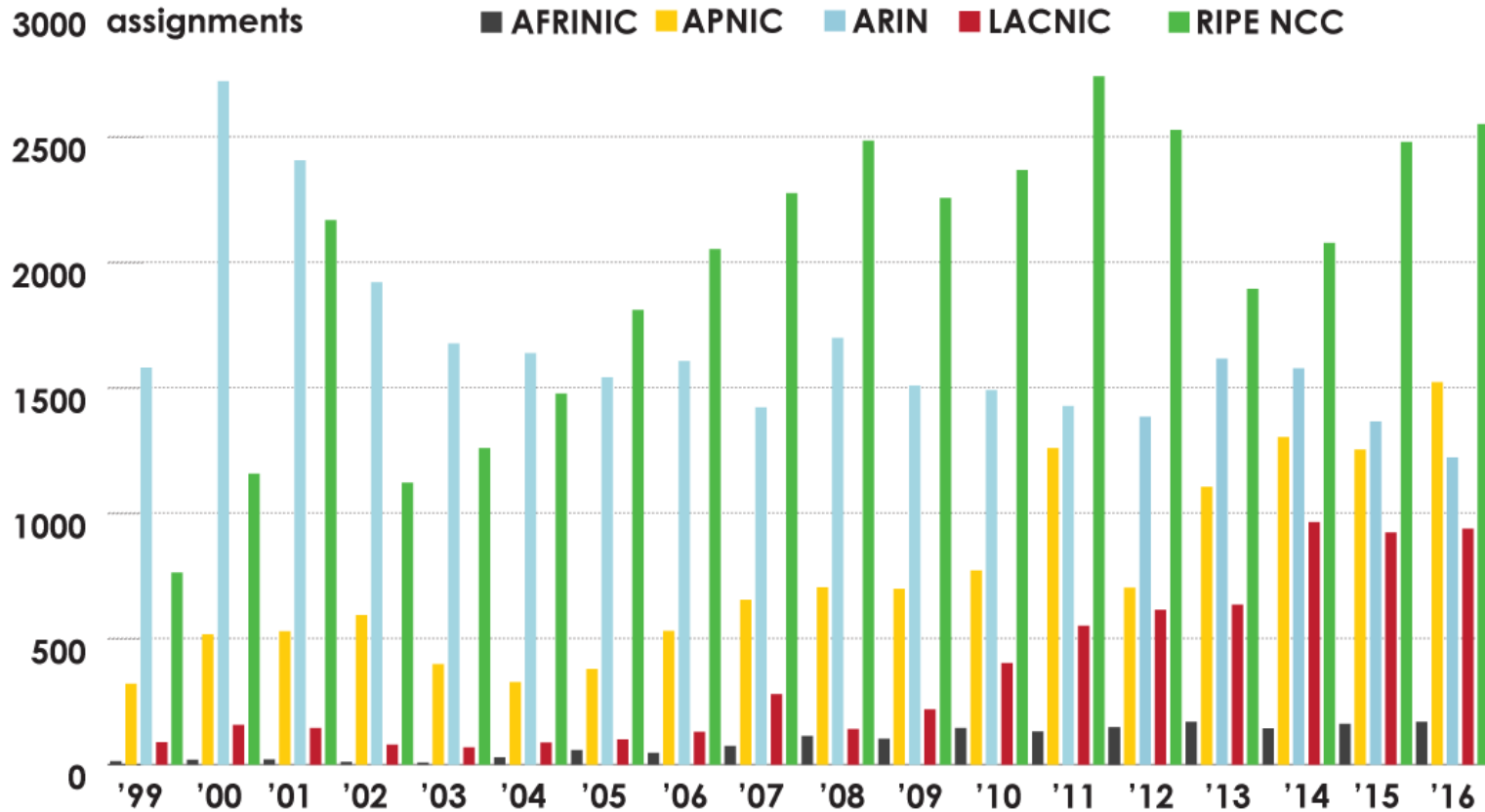


2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193:0:0:203 195:048:02:03
62:109:128 195:048:02:03 2001:610:240 193:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193:0:0:203
193:0:0:203 2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193:0:0:203
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



ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?

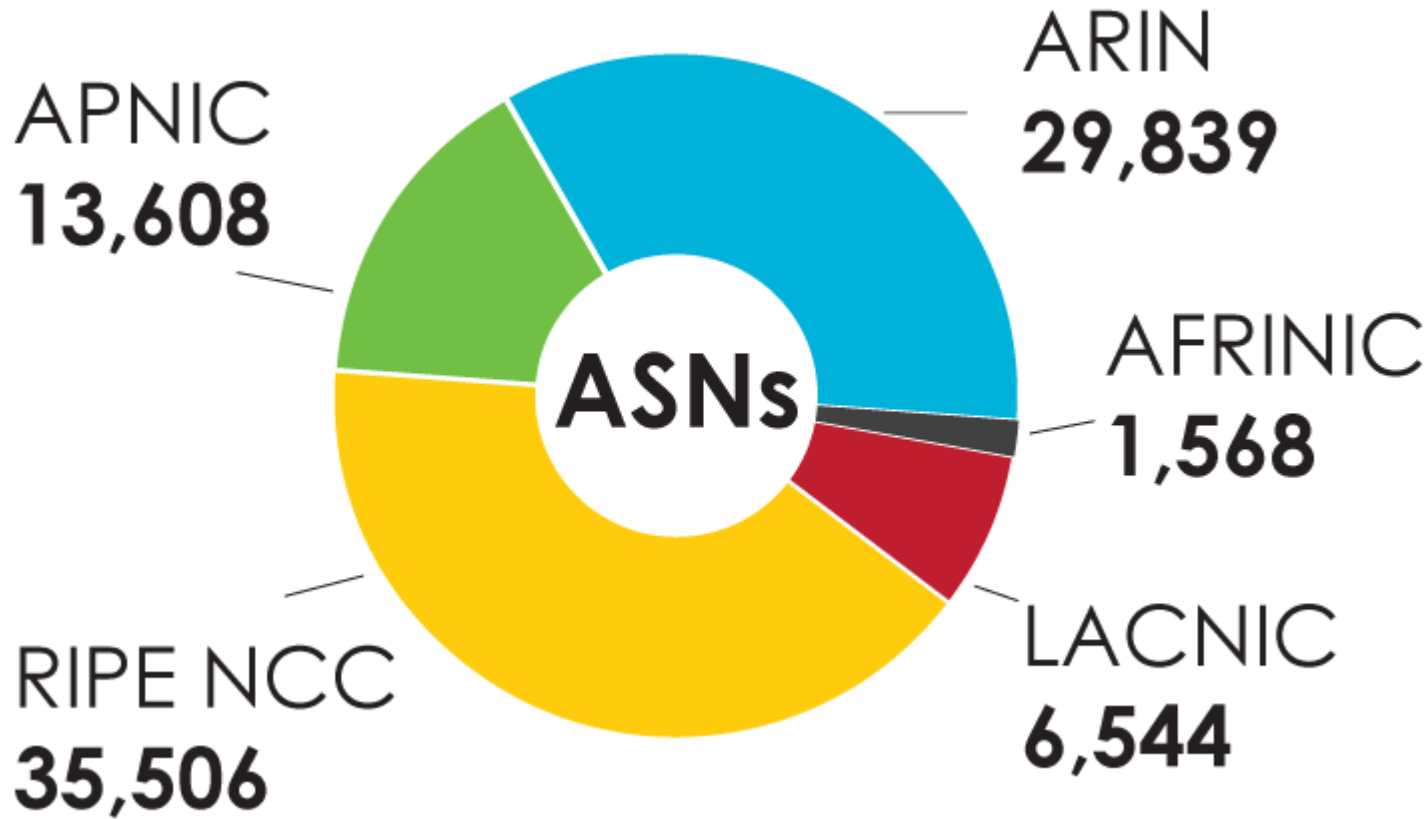


2001:610:240:0-1933:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 1933:0:0:203 195:048:02:03
 62:109:128 195:048:02:03 2001:610:240 1933:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 1933:0:0:203
 1933:0:0:203 2001:610:240:0-1933:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 1933:0:0:203
 2001:610:240:0-1933:0:0:202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 1933:0:0:203
 Number Resource Organization



ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

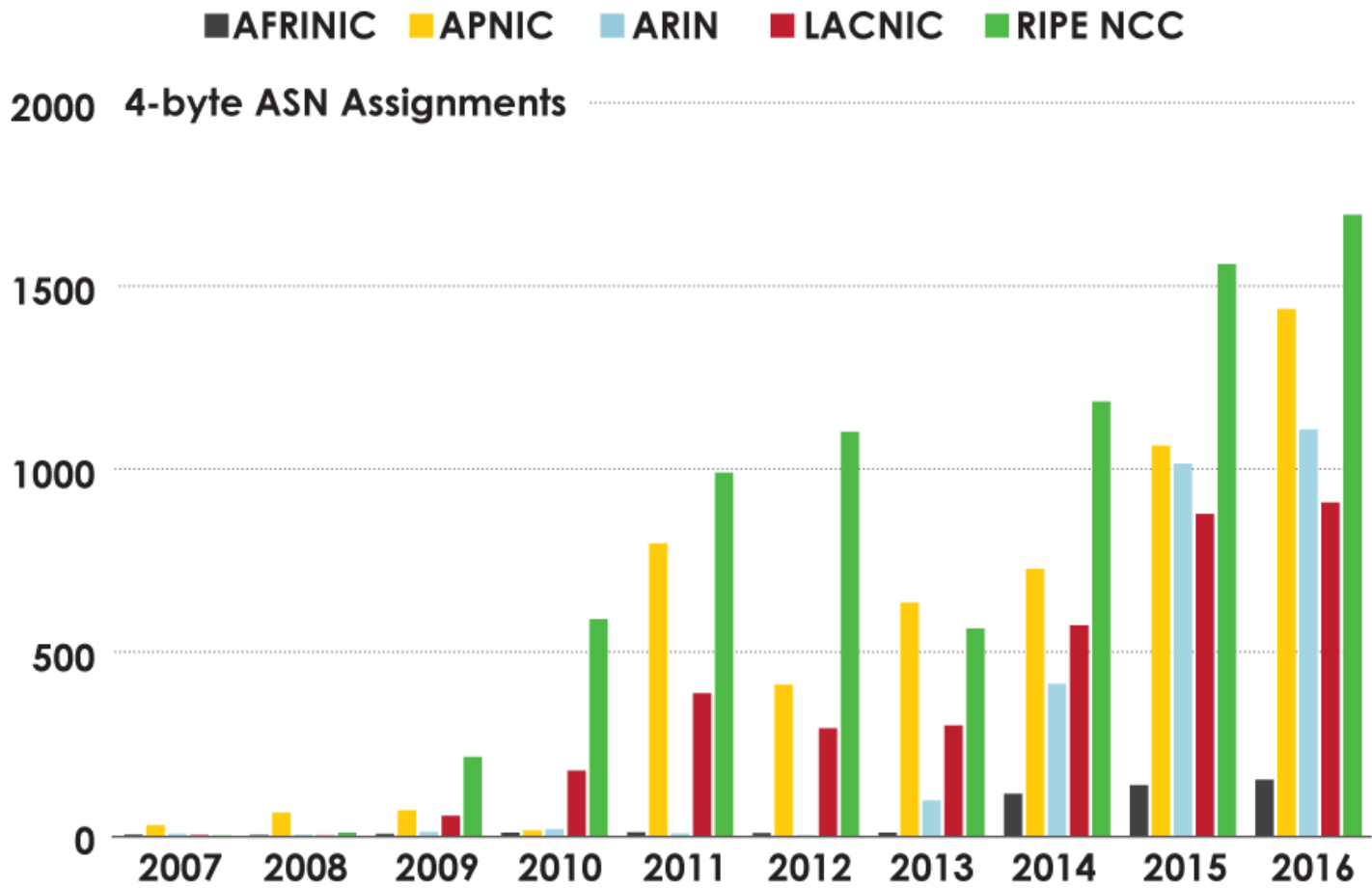
How many total ASNs has each RIR assigned?
(Jan 1999 – Dec 2016)



2001:610:240:0-1933:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203 195:048:02:03
62:109:128 195:048:02:03 2001:610:240 193:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203 195:048:02:03
193:0:0:203 2001:610:240:0-1933:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203 195:048:02:03
2001:610:240:0-1933:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203 195:048:02:03
Number Resource Organization

4-BYTE ASN ASSIGNMENTS

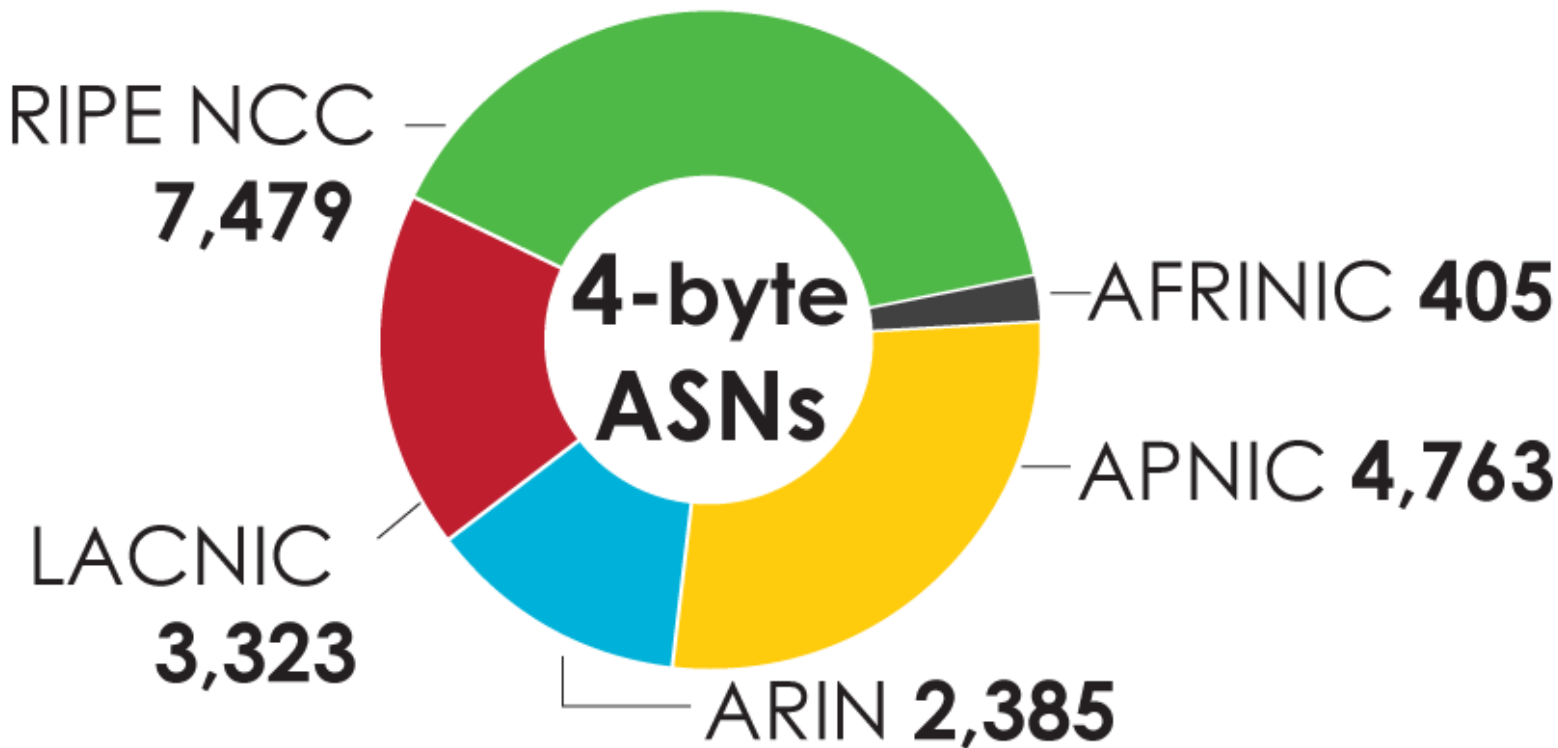
How many 4-byte ASNs has each RIR assigned by year?



Number Resource Organization

4-BYTE ASN ASSIGNMENTS

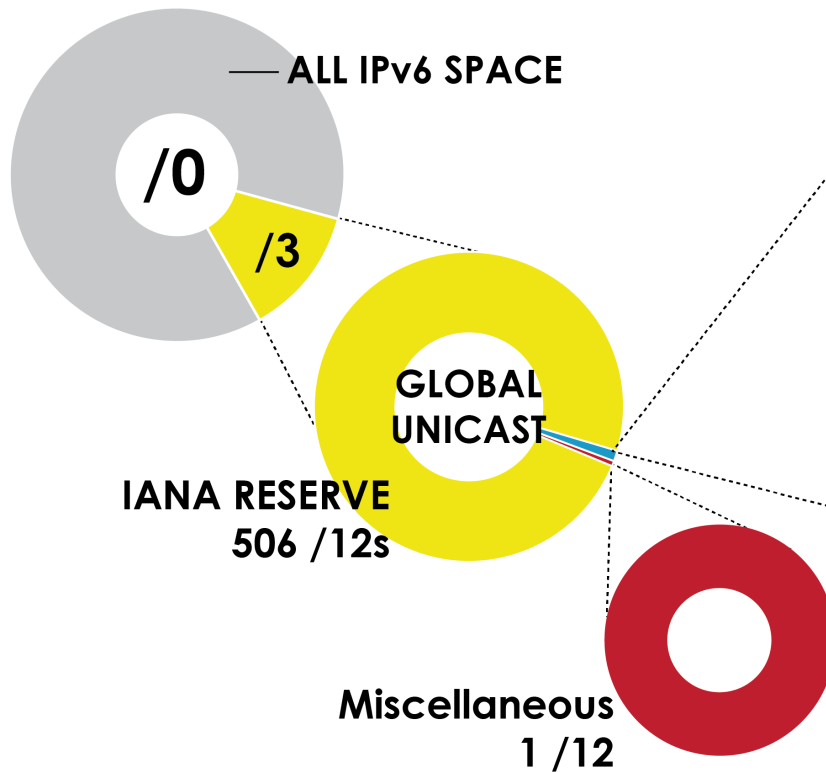
How many total 4-byte ASNs has each RIR assigned?
(Jan 2007 – Dec 2016)



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 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

IPv6 ADDRESS SPACE

How much has been allocated to the RIRs?



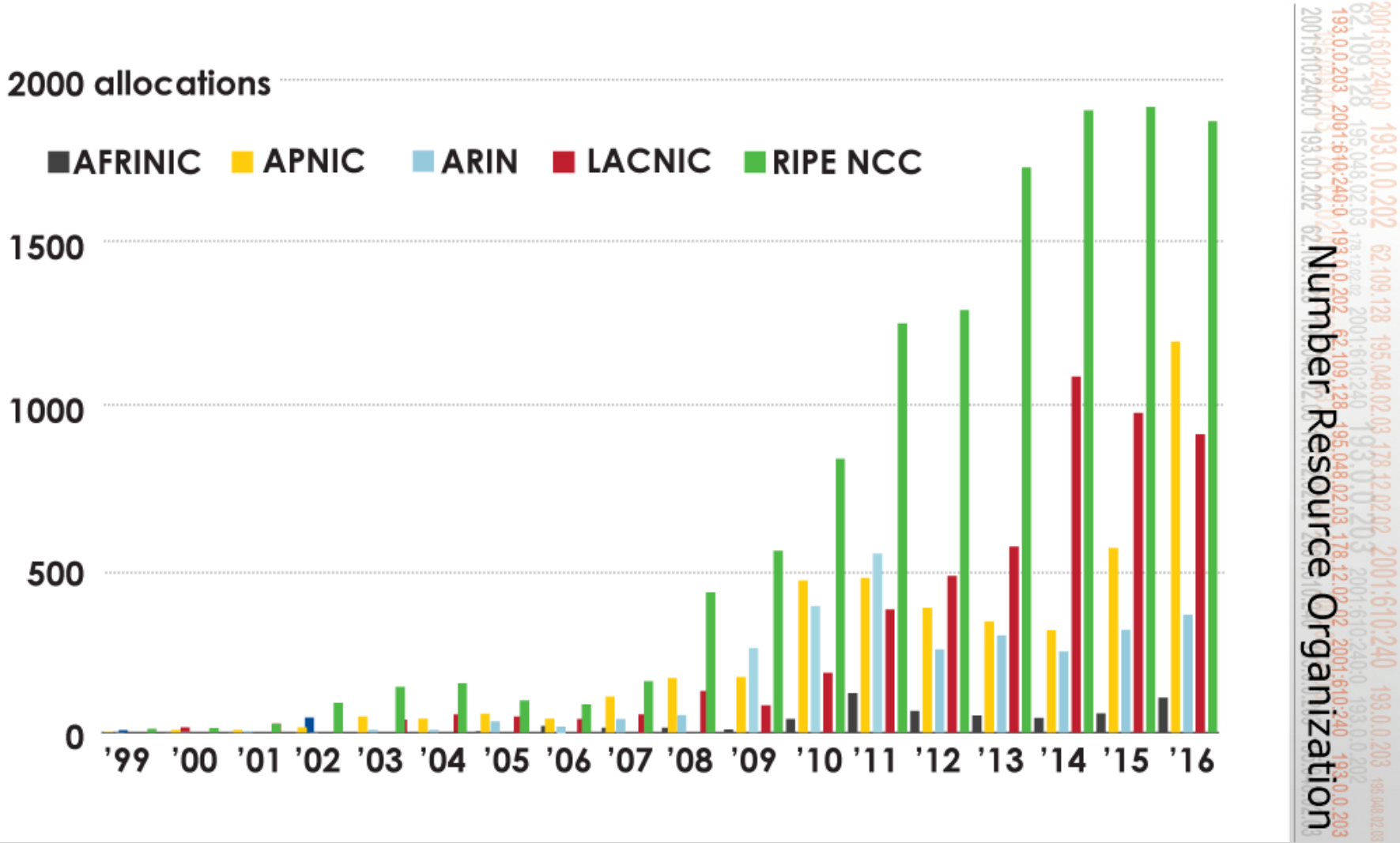
RIRs 5 /12s (October 2006)

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



IPv6 ALLOCATIONS (RIRs TO LIRs/ISPs)

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

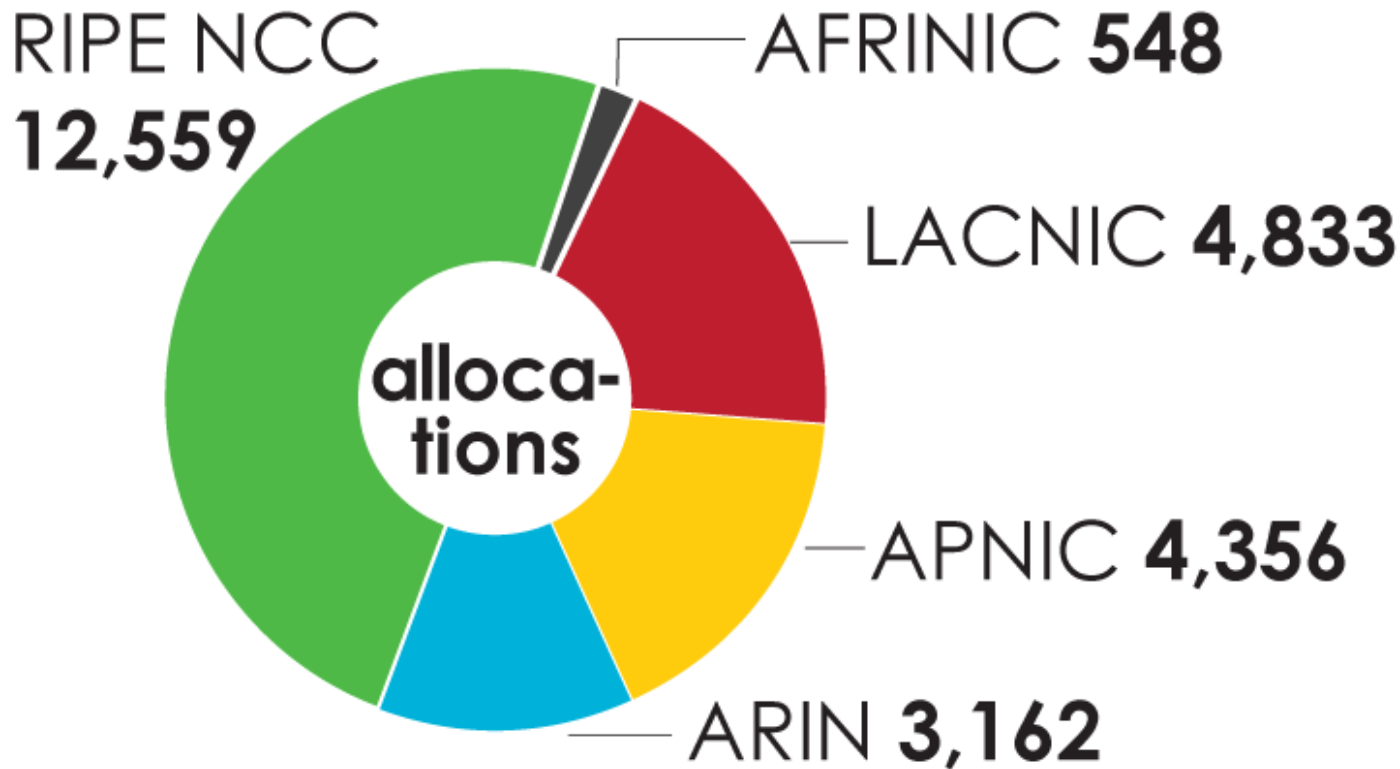


2001:610:240:0-193:0:0:202
62:109:128-195:048:02:03
193:0:0:203 2001:610:240:0-193:0:0:202
2001:610:240:0-193:0:0:202 62:109:128-195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203
193:0:0:203 2001:610:240:0-193:0:0:202 62:109:128-195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203
2001:610:240:0-193:0:0:202 62:109:128-195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203



IPv6 ALLOCATIONS (RIRs TO LIRs/ISPs)

How many total allocations have been made by each RIR?
(Jan 1999 – Dec 2016)

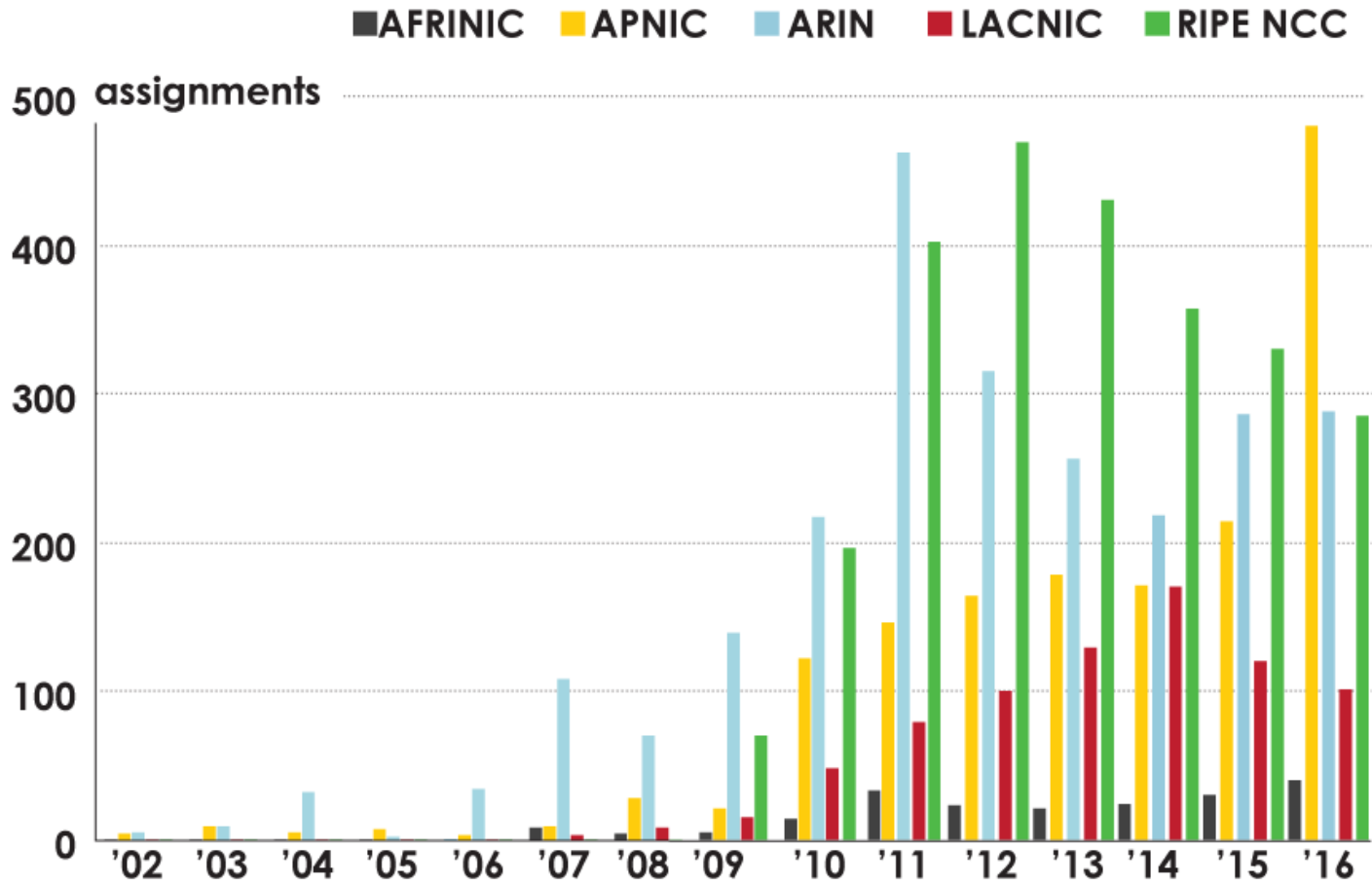


2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203 195:048:02:03
62:109:128 195:048:02:03 2001:610:240 193:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203
193:0:0:203 2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203
2001:610:240:0-193:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203
Number Resource Organization



IPv6 ASSIGNMENTS RIRS TO END-USERS

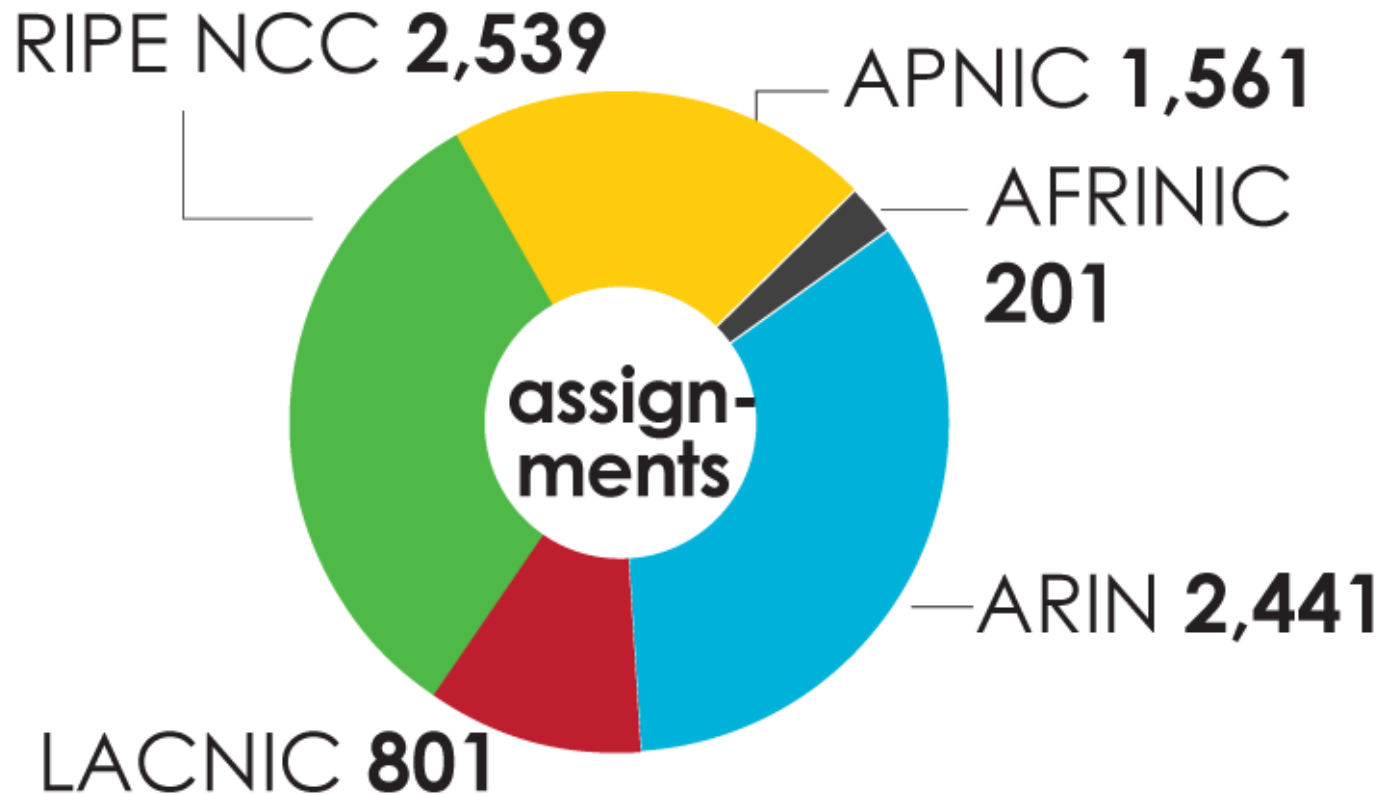
How many assignments have been made by each RIR by year?



2001:610:240:0-193.0.0.202 62.109.128 195.048.02.03 178.42.02.02 2001:610:240 193.0.0.203 195.048.02.03
62.109.128 195.048.02.03 2001:610:240 193.0.0.202
193.0.0.203 2001:610:240:0-193.0.0.202 62.109.128 195.048.02.03 178.42.02.02 2001:610:240 193.0.0.203
2001:610:240:0-193.0.0.202 62.109.128 195.048.02.03 178.42.02.02 2001:610:240 193.0.0.203
Number Resource Organization

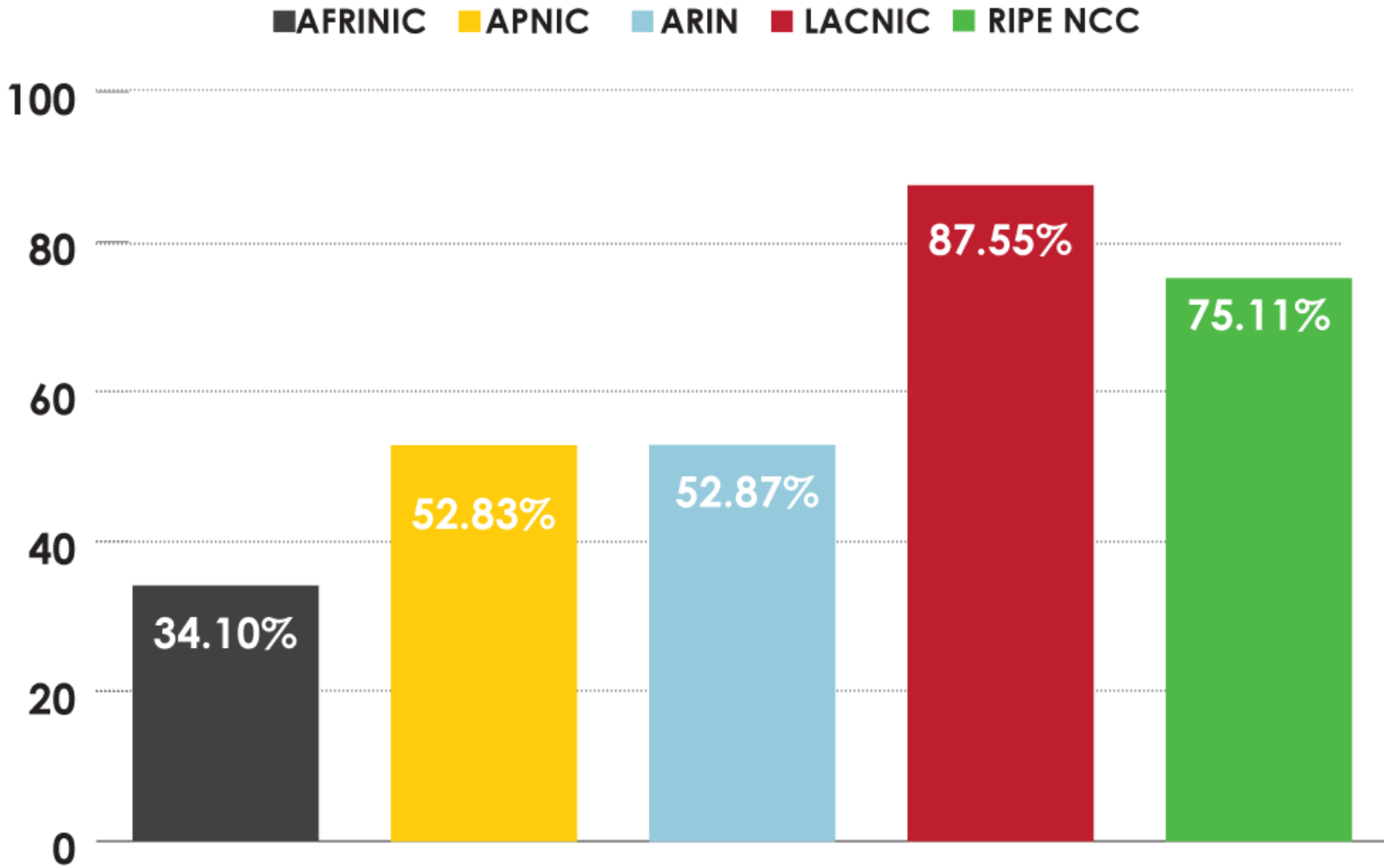
IPv6 ASSIGNMENTS (RIRs TO END-USERS)

How many total assignments have been made by each RIR?
(Jan 2002 – Dec 2016)





PERCENTAGE OF MEMBERS WITH BOTH IPv4 AND IPv6 IN EACH RIR



Number Resource Organization



THANK YOU

2001:610:240:0 193:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203 195:048:02:03
62:109:128 195:048:02:03 2001:610:240 193:0:0:202
193:0:0:203 2001:610:240:0 193:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203
2001:610:240:0 193:0:0:202 62:109:128 195:048:02:03 178:42:02:02 2001:610:240 193:0:0:203
Number Resource Organization