

# IP Address Distribution Statistics Update

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# Introduction To The Numbers: IPv4

- A “/8” is 16,777,216 addresses
- There are 256 \* /8s
- Minimum allocation to LIRs: /21
  - 2048 addresses



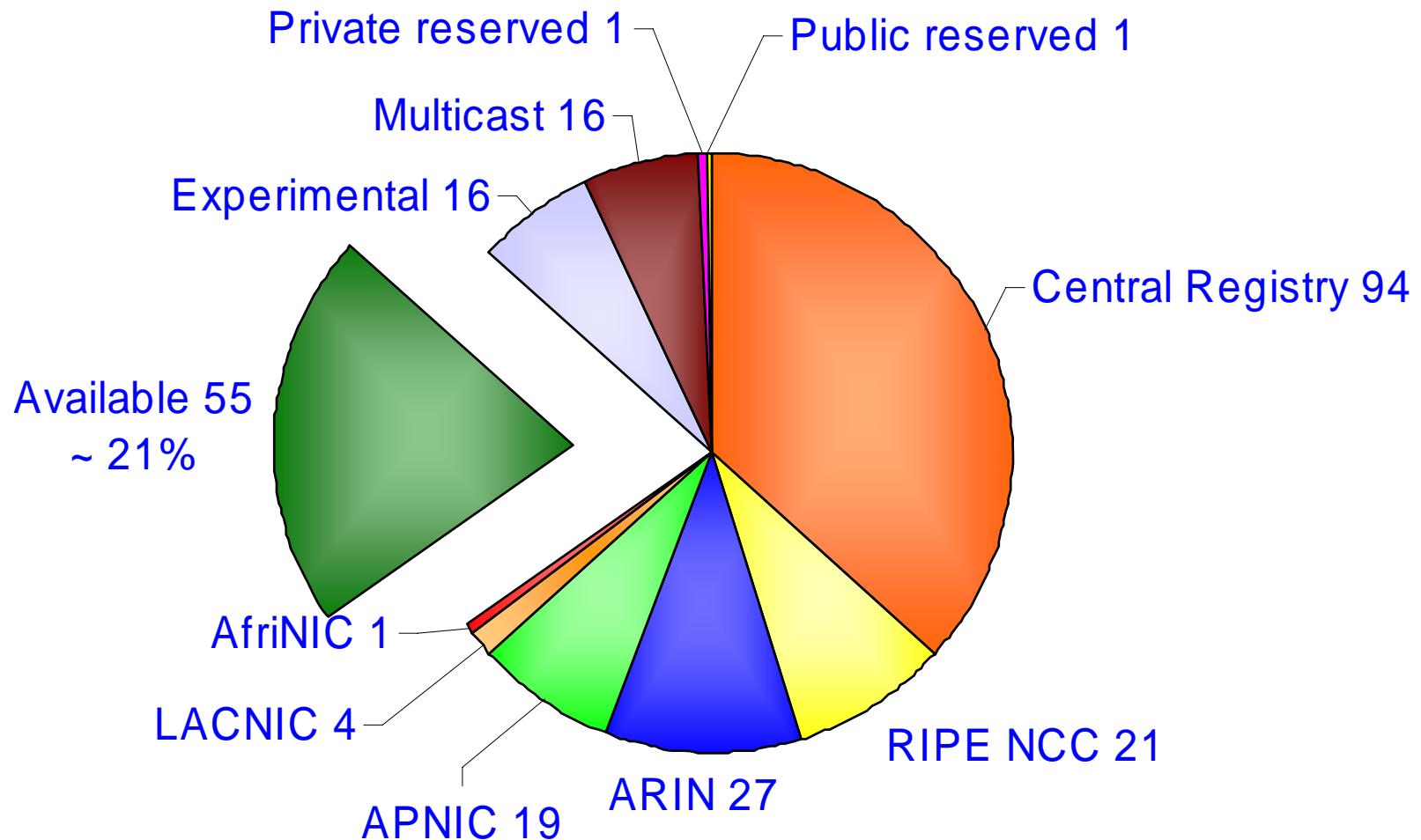
# Introduction To The Numbers: IPv6

- Millions of times more addresses!
  - When compared to IPv4
- Focus is more on networks
  - Not individual addresses

# Introduction To The Numbers: ASN

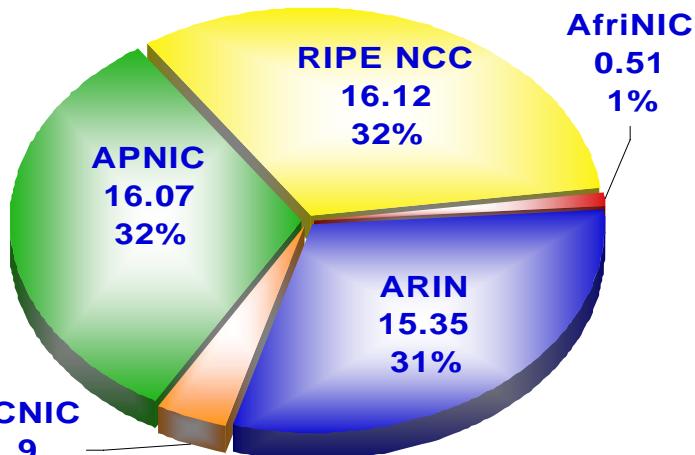
- Autonomous System Numbers
  - Routing Identifier
- Initially 65,536 ASNs available
- Now billions more: ASN32
  - Introduction phase until 2010
  - Available from 1 January 2007

# Global IPv4 Usage in /8s

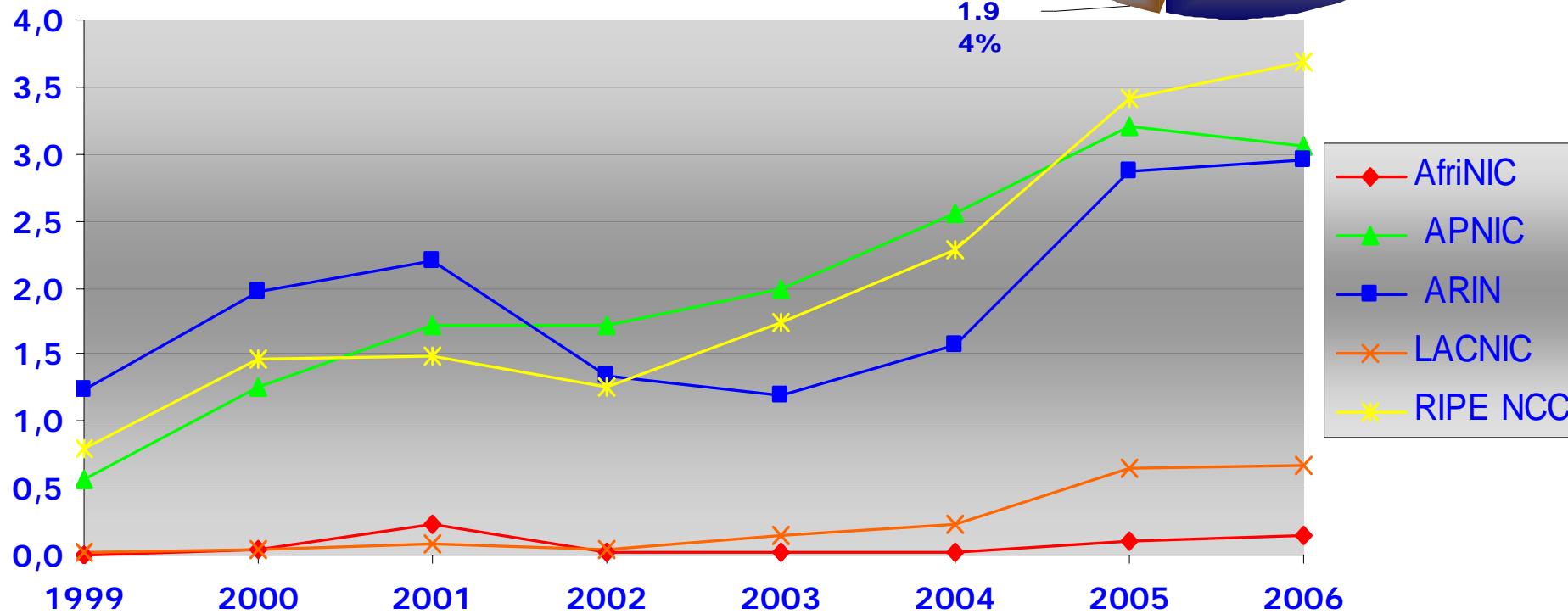


# IPv4 Allocations RIRs to LIRs/ISPs

Cumulative Total (1999–2006)

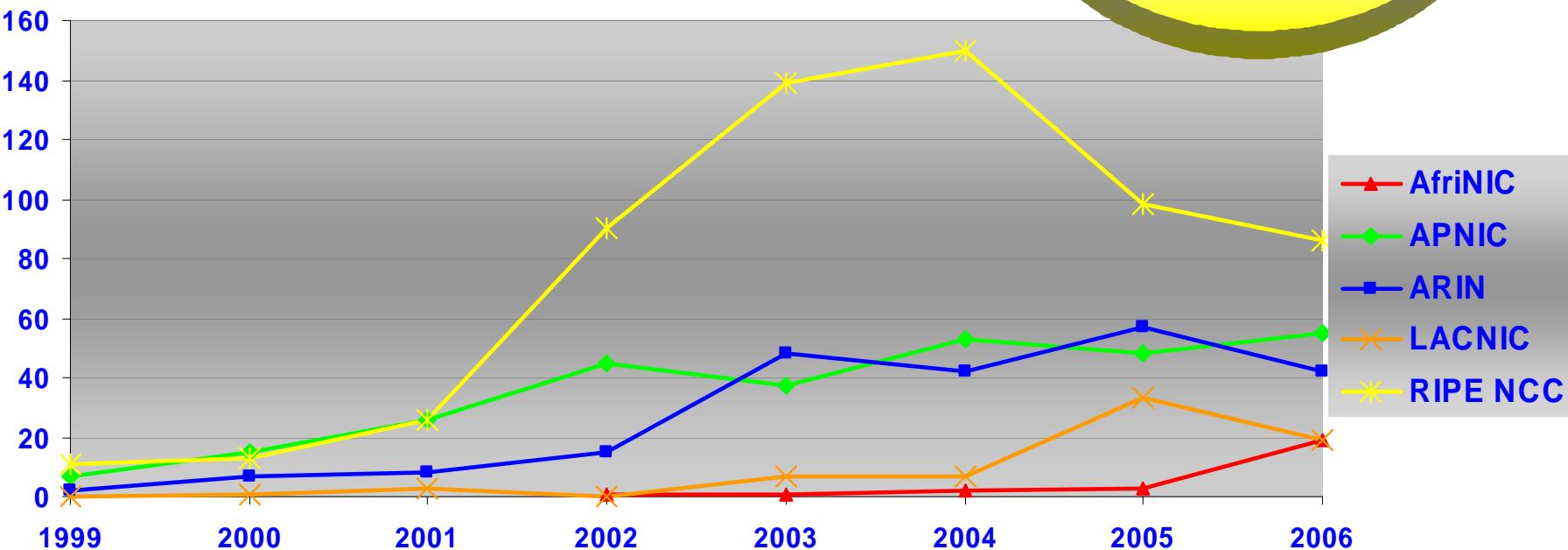


## Yearly Comparison (/8s)

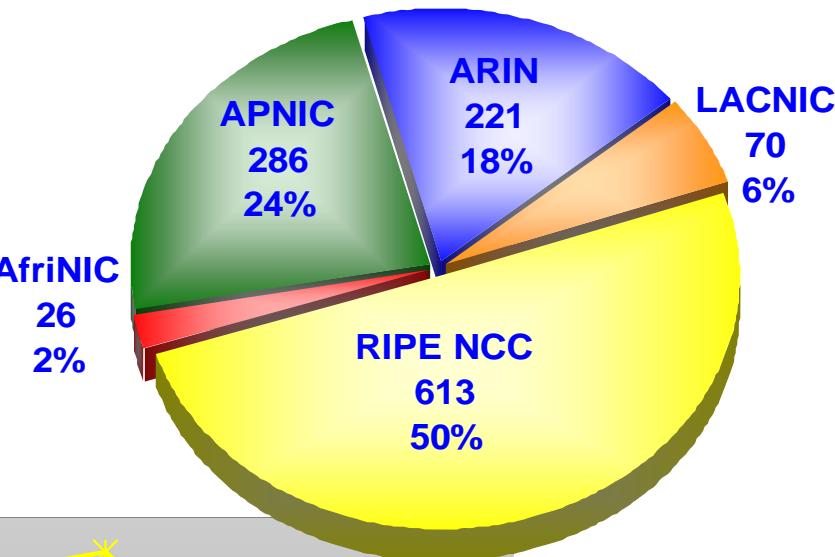


# IPv6 Allocations RIRs to LIRs/ISPs

## Yearly Comparison

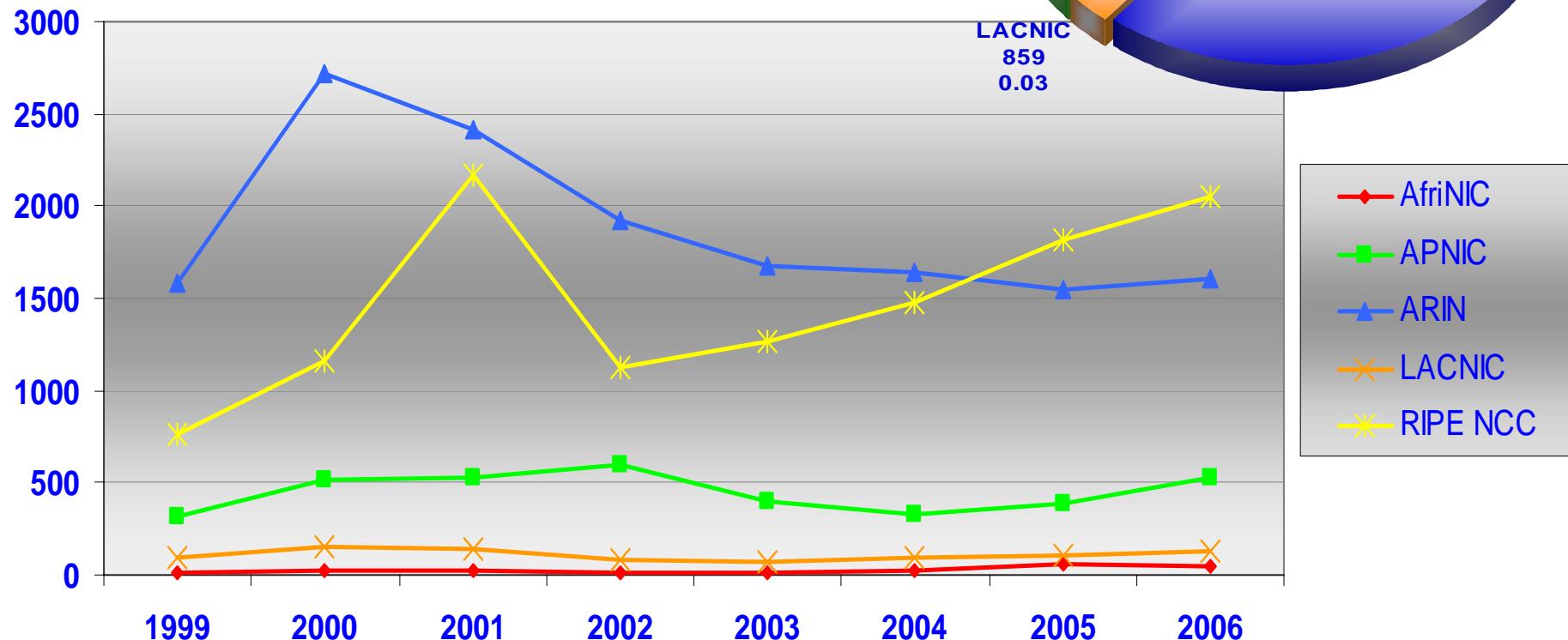


## Cumulative Total (1999–2006)



# ASN Assignments

## Yearly Comparison



# Links to RIR Statistics

- **RIR Stats:**

<http://www.nro.net/statistics/>

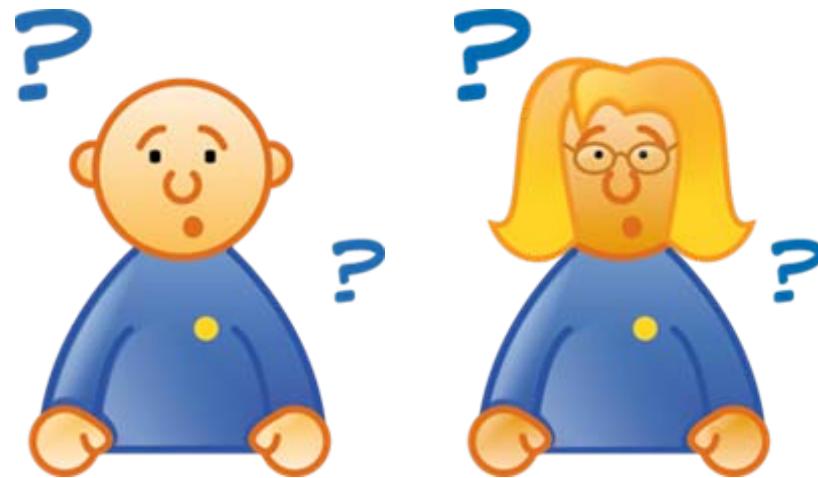
- **Raw Data/Historical RIR Allocations:**

<http://www.aso.icann.org/stats>

<http://www.iana.org/assignments/ipv4-address-space>

<http://www.iana.org/assignments/as-numbers>

<http://www.iana.org/assignments/ipv6-unicast-address-assignments>



# Questions?