



# IPv6 — Address Distribution and Current Policy Discussions

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# Overview

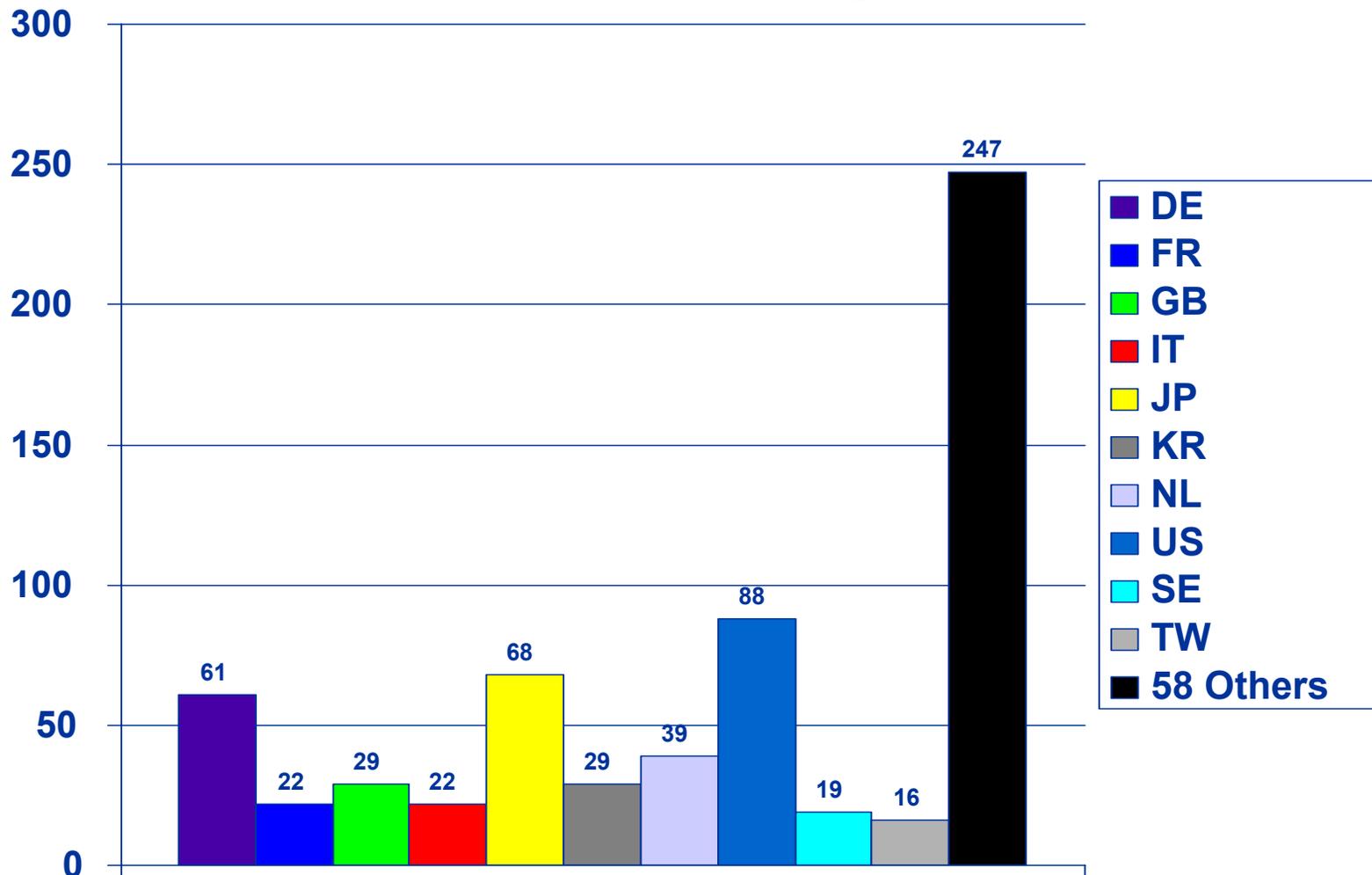
- Address Distribution
  - Global
  - Regional
  - Local (Africa)
- Policy
  - Current Status
  - Discussion Points

# IPv6 Address Distribution — Global, Regional and more specific



# IPv6 Allocations per Country

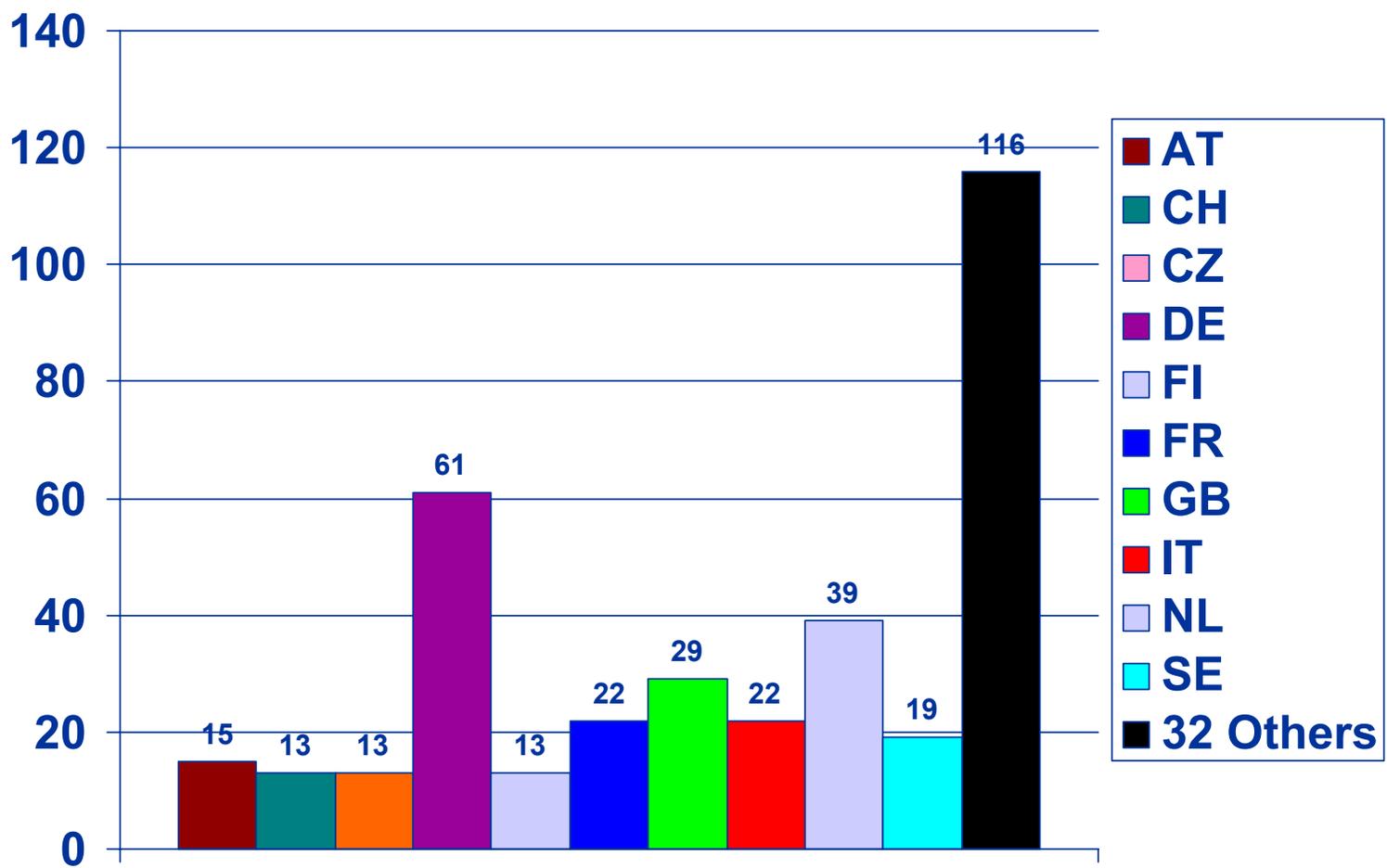
## Global Top 10





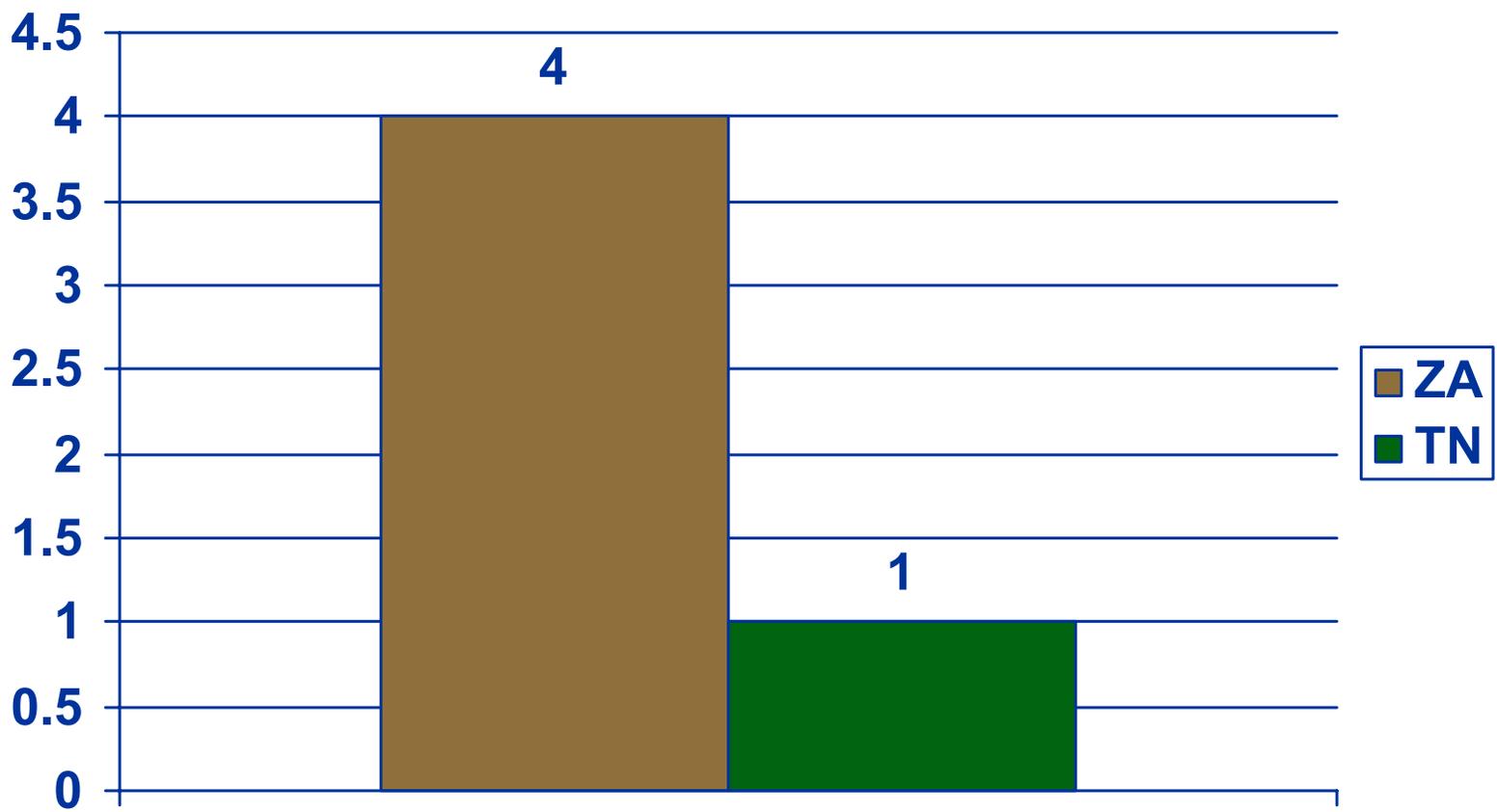
# IPv6 Allocations per Country

## RIPE Region Top 10





# IPv6 Allocations per Country Africa





# 2001:4200::/23

- Allocated to ARIN in June 2004
- Exclusively for making allocations to LIRs in Africa
- Can be transferred to AfriNIC



# Current Policy Discussions



# Current Situation

- Common policy agreed May 2002
  - Regional variations
- Policy changes under discussion
  - RIPE Region policy list  
[address-policy-wg@ripe.net](mailto:address-policy-wg@ripe.net)
  - Global IPv6 policy discussion list  
[global-v6@lists.apnic.net](mailto:global-v6@lists.apnic.net)



# Allocation Principles

- Conservation
  - Less important than with IPv4
- Aggregation
  - Routing table size
- Registration
  - Uniqueness important
  - Responsibility for network operations
  - Privacy concerns
- Address space not considered property

# Policy (1)

- Text to be improved
  - RIPE NCC updating text
  - Community to clarify meaning
- Qualifying Criteria
  - Plans for 200 /48 assignments?
  - Routing the allocation as a single prefix

# Policy (2)

- Do /48 assignments have to be registered in Whois?
  - “...a database, accessible by RIRs...”
  - Privacy considerations
- Allocation size
  - When reasonably justified

# Questions & Answers

