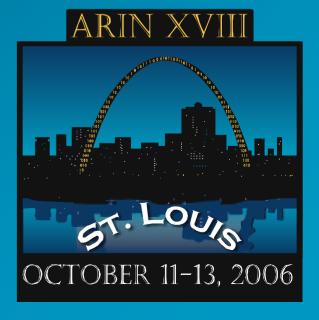
# Should the RIRs Harmonize Allocation Periods?





### What is an Allocation Period?

The length of time defined by policy used to determine the appropriate amount of IP address space a requesting organization needs to sustain its operations for that entire time.



# Background Facts

- General RIR principle
  - Fair and responsible distribution of Internet resources
- Policies based on needs of region
- Current disparity in allocation periods across regions

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#### In General...

- Allocation periods are:
  - ⇒ ARIN 3 or 6 months
  - LACNIC 3 months initial/1 yr subsequent
  - ⇒ APNIC 1 year
  - ⇒ AfriNIC 2 years
  - ⇒ RIPE NCC 2 years

ARIN XVIII



# More Specifically... (for ISPs)

- ⇒ ARIN 3 months initially, 6 months if subscriber member for >1 yr (issue from 1 year reserve for aggregation)
- LACNIC 3 months initial allocations, 1 year subsequent (new policy)
- ⇒ APNIC 1 year
- AfriNIC 2 years, shorter periods used for less experienced LIRs
- RIPE NCC 2 years, shorter periods used for less experienced LIRs

ARIN XVIII



# More Specifically... (for End-users or Pl assignments)

- ⇒ ARIN 1 year
- ⇒ LACNIC 1 year
- ⇒ APNIC 1 year
- ⇒ AfriNIC 1 year
- RIPE NCC Indefinite (no allocation period) specified)

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## Current Discussions

- LACNIC new policy implemented to extend allocation period to 1 yr
- RIPE NCC policy proposal to allocate for 1 yr discussed at recent meeting
- AfriNIC discussion/proposal to be presented at next meeting in Dec.



### Fact or Fiction?

- Longer allocation periods create an unfair advantage
  - Is there less admin. burden? [fewer requests to RIRs, ease of address assignments, etc.]
  - Do allocation periods affect ability to do long term deployment planning?
- There is a global perception of unfairness across regions due to policy differences



#### Fact or Fiction?

- Longer allocation periods contribute to the increased consumption rate and rapid depletion of IPv4 addresses
  - ⇒ IPv4 space issued in 2005
    - ⇒ RIPE ~35%
    - **⇒** APNIC ~30%
    - **⇒** ARIN ~25%
  - Some research indicates ~4 years of v4 address space left



# Discussion