

Policy Proposal 2004–8

Allocation of IPv6 Address Space by the Internet Assigned Numbers Authority (IANA) Policy to Regional Internet Registries

* Status:

- ▶ Presented - ARIN XIV
- ▶ Staff Impact Analysis – April 2005
- ▶ Legal Review – October 2004
- ▶ Revised text – April 15, 2005

* Proposal Text:

- ▶ In Meeting Packet
- ▶ http://www.arin.net/policy/2004_8.html

Staff Impact Analysis

- ★ ARIN departments - no significant implementation impact
- ★ Implementation - within 90 days following ratification by the ARIN Board of Trustees

Legal Review

★ "...saw nothing that created concerns for liability related to ARIN or issues of compliance with law or regulation."

PPML Discussion

Posts	People
16	10

- ★ "...suggest adding a sentence stating that 'IANA will also announce the allocation to other interested parties.'"
- ★ Who makes list announcements to whom and in what format(s)... RPSL, XML?

Policy Proposal 2004-8

http://www.arin.net/policy/2004_8.html



193.0.0.202
62.109.128.195-201
2001.610.240
193.0.0.201
193.0.0.200
193.0.0.199



IANA to RIR IPV6 Allocation

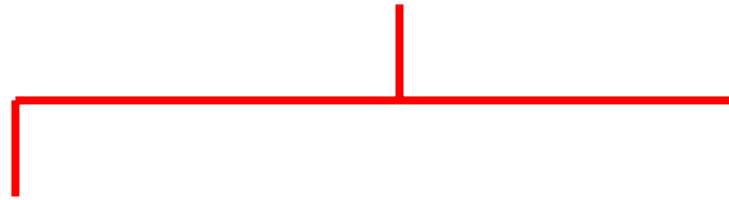
**A Coordinated Proposal
Presented on Behalf
of the
Regional Internet Registries
AFRINIC, APNIC, ARIN, LACNIC and RIPE NCC**

Overview

- Allocation Policy
 - Elements
 - Factors
- Allocation Factors
 - Available Space
 - Necessary Space
- Necessary Space Special Need
- Policy
- Notifications and Announcements

Number Resource Organization

Allocation Policy



Elements

- Minimum
 - Size
 - Unit
- Criteria
 - Initial Space
 - Additional Space

Factors

- Available Space
- Necessary Space
 - Normal
 - Special Need

Allocation Factors

Available Space

- Free Space
- + Reservations Expiring
within 3 Months
- Fragmented Space
- = Available Space

Necessary Space

- 6 Month Allocation Rate
- * Time Period
- = Necessary Space

Fragmented Space = Available Blocks < Minimum Allocation Size

2001 6:02:40 193.0.0.202
193.0.0.205 2001 6:02:40 193.0.0.202
62 108 1 2 193.0.0.202 193.0.0.202
193.0.0.205 2001 6:02:40 193.0.0.202
2001 6:02:40 193.0.0.202
Number Resource Organization

Determining Necessary Space Special Need

- If:
Requirement = Necessary Space
- Then:
No Special Need
- Else:
Special Need



Special Need Justification

- Allocation tendency
Provide Trend Data and Analysis
- One or More New RIR Allocation Policies
Provide Impact Analysis
- External factors
 - New services within the region
 - New infrastructure
 - Technology Advances
 - Legal IssuesProvide Analysis and Reference to Source Documentation for Verification

IANA to RIR Allocation Policy

Minimum Allocation	Allocation Criteria	New RIR Allocation
<p>Size = 18 Month Necessary Space</p> <p>Unit Size = /12</p>	<p>Available Space < 50% of 1 Allocation Unit</p> <p>OR</p> <p>Available Space < 9 Month Necessary Space Need/Requirement</p>	<p>/12</p> <p>Regardless of Utilization</p> <p>Or</p> <p>Transferred Space:</p>

On Policy Inception Established RIRs Receive /12 if < /12 is On Hand



Notifications and Announcements

- IANA, NRO, RIRs
 - Make Announcements
 - Update Web Sites
- Procedures
 - Established by IANA & NRO

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Number Resource Organization



THANK YOU

Number Resource Organization