



IANA to RIR IPV6 Allocation

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





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



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

Fragmented Space = Available Blocks < Minimum Allocation Size

Necessary Space

6 Month Allocation Rate

- * Time Period
- = Necessary Space



Determining Necessary Space Special Need

• If:

Requirement = Necessary Space

- Then: No Special Need
- Else: Special Need



- 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 Issues

Provide Analysis and Reference to Source Documentation for Verification



IANA to RIR Allocation Policy

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

* 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



Proposal Status

RIR	DATE	STATUS
Matri NIC	26 – 27 April	Discuss
APNIC	16 – 25 February	Recommended
American Registry for Internet Numbers	17 – 21 April	Recommended
	6 – 9 June	Discuss
Ripe	2 – 6 May	Discuss

NRO Coordinated Proposal



THANK YOU