



IANA to RIR IPV4 Allocation Proposal

Presented on Behalf
of the
Regional Internet Registries
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

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
* 9
= Necessary Space

Fragmented Space = Available Blocks < Minimum Allocation Size

Determining Necessary Space Special Need

- If:
9 Month Allocation Projection Rate = Previous 6 Month
Allocation Rate * 9
- 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

Minimum

Size - 18 Month Necessary Space
Unit - /8

IANA to RIR Allocation Policy

New RIR Criteria

/8

Regardless of:

Utilization

Transferred Space

Additional Space Criteria

Available Space < 50% of 1 /8 Block
OR

Available Space < Necessary Space

Notifications and Announcements

- Notifications
 - IANA to Receiving RIR
 - IANA to Other RIRs

- Announcements
 - IANA
 - RIRs



THANK YOU