



# 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





감사합니다  
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