



**RIPE NCC**  
RIPE NETWORK COORDINATION CENTER

# Policy Update

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Angela Dall'Ara | RIPE 90 Address Policy | 14 May 2025

# In this Talk



**1.**

**RIPE Policy  
Development since  
RIPE 89**

**2.**

**Policy Development  
in other regions  
since RIPE 89**

**3.**

**Policy Documentation  
Review**



# **RIPE Policy Development since RIPE 89**

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# Current RIPE Policy Proposals



Current policy proposals:

<https://www.ripe.net/community/policies/current-proposals/>

- **2024-01: Revised IPv6 PI Assignment Policy**

Awaiting new version.

**Affected Policy Document:** [ripe-738: IPv6 Address Allocation and Assignment Policy](#)

- **2024-02: IPv6 Initial Allocations /28**

Review Phase ends 11 June 2025

**Affected Policy Document:** [ripe-738: IPv6 Address Allocation and Assignment Policy](#)

- **2025-01: ASN assignment criteria revisited**

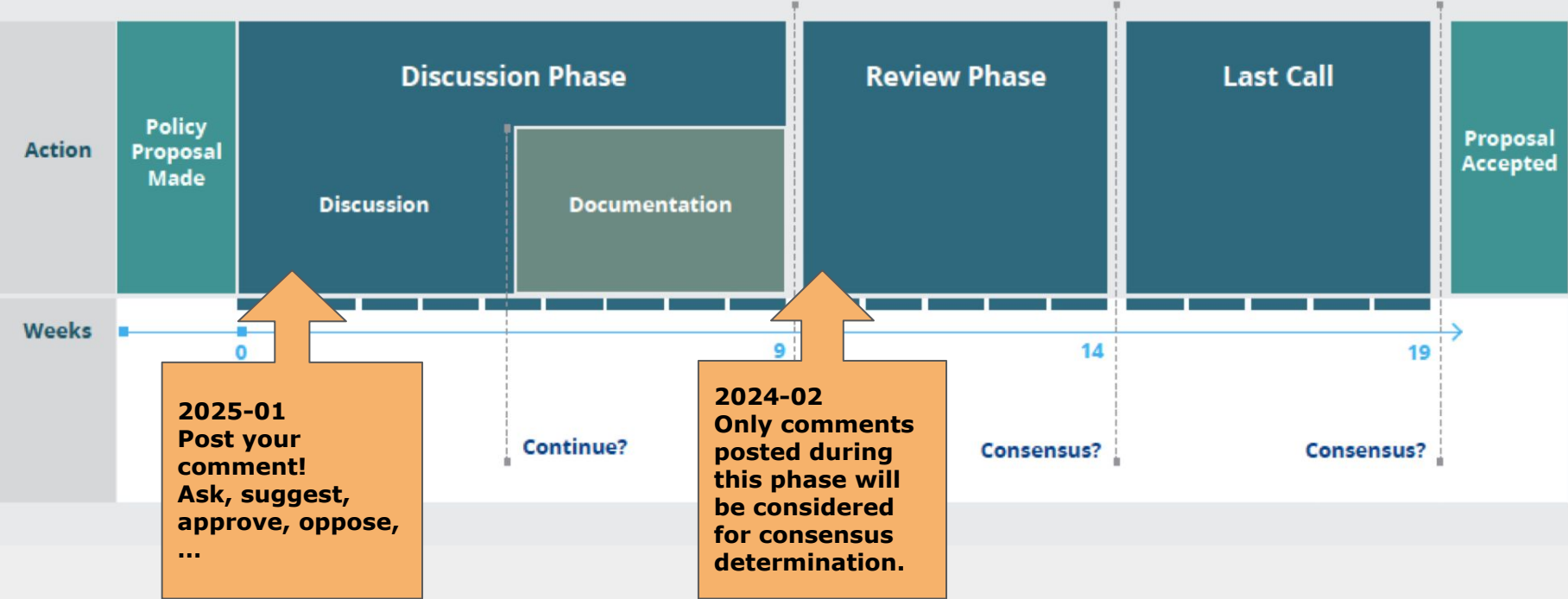
Discussion Phase ends 4 June 2025

**Affected Policy Document:** [ripe-679: Autonomous System \(AS\) Number Assignment Policies](#)

# PDP Timeframe



The RIPE Policy Development Process (PDP)





# **Policy Development in Other Regions since RIPE 89**

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## Awaiting Implementation

- AFPUB-2019-GEN-006: RPKI ROAs for Unallocated and Unassigned AFRINIC Address Space

## Awaiting Ratification

- AFPUB-2020-GEN-006: AFRINIC Number Resources Transfer Policy
- AFPUB-2021-GEN-003: Policy Compliance Dashboard
- AFPUB-2018-GEN-001: Abuse Contact Policy Update



## Implemented

- prop-154-v002: Resizing of IPv4 assignment for the IXPs
- prop-156-v002: Assignment of Temporary IP Resources



## Implemented

- ARIN-2022-12: Direct Assignment Language Update
- ARIN-2023-7: Clarification of NRPM Sections 4.5 and 6.11 Multiple Discrete Networks
- ARIN-2024-2: Whois Data Requirements Policy for NonPersonal Information
- ARIN-2024-9: Remove Outdated Carveout for Community Networks

## Draft Policies Under Advisory Council Evaluation

- ARIN-2023-8: Reduce 4.1.8 Maximum Allocation
- ARIN-2024-5: Rewrite of NRPM Section 4.4 Micro-Allocation
- ARIN-2024-10: Registration Requirements and Timing of Requirements With Retirement of Section 4.2.3.7.2
- ARIN-2024-11: IPv4 Transition Efficiency Reallocation Policy (ITERP)
- ARIN-2025-1: Clarify ISP and LIR Definitions and References to Address Ambiguity in NRPM Text
- ARIN-2025-2: Clarify 8.5.1 Registration Services Agreement
- ARIN-2025-3: Change Section 9 Out Of Region Use Minimum Criteria



## Implemented

- LAC-2023-6: Special exception for global critical infrastructure providers
- LAC-2024-4: Log of Allocations from the Pool of IPv4 Addresses Reserved for Critical Infrastructure

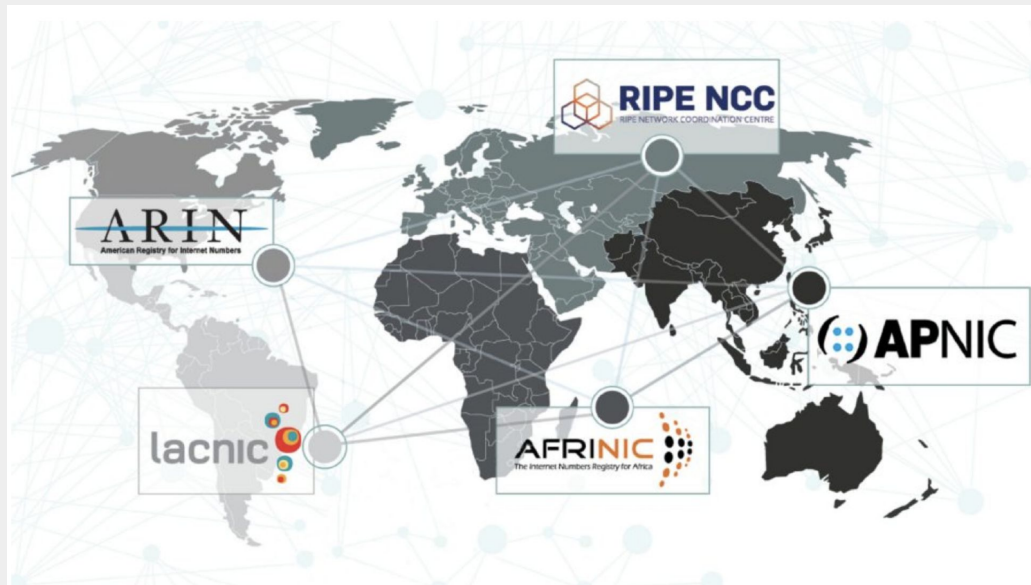
## Under Discussion

- LAC-2023-4: Legacy Resources Management
- LAC-2023-7: Temporary Transfers
- LAC-2025-1: Resources Distribution to Natural Persons



## RIR Comparative Policy Overview

<https://www.nro.net/policy/regional/rir-comparative-policy-overview/>



### AFRINIC

<https://afrinic.net/policy/proposals>

<https://afrinic.net/policy/manual>

### APNIC

<https://www.apnic.net/community/policy/proposals>

<https://www.apnic.net/community/policy/resources>

### ARIN

<https://www.arin.net/participate/policy/drafts/>

<https://www.arin.net/participate/policy/nrpm/>

### LACNIC

<https://politiclas.lacnic.net/politiclas/list>

<https://www.lacnic.net/543/1/lacnic/>



# RIPE Policy Documentation Review

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# RIPE Policies - Current Overview



<https://www.ripe.net/publications/docs/ripe-policies/>

## 16 Regional Policies + 6 Global Policies (listed by update date)

**ripe-826: IPv4 Address Allocation and Assignment Policies for the RIPE NCC Service Region**

**ripe-807: RIPE Resource Transfer Policies**

**ripe-806: Voluntary Transfer Lock**

**ripe-801: Temporary Internet Number Assignment Policies**

**ripe-738: IPv6 Address Allocation and Assignment Policy**

**ripe-731: RIPE NCC IRR Database Non-Authoritative Route Object Clean-up**

**ripe-705: Abuse Contact Management in the RIPE Database**

**ripe-679: Autonomous System (AS) Number Assignment Policies**

**ripe-639: RIPE NCC Services to Legacy Internet Resource Holders**

**ripe-637: Contractual Requirements for Provider Independent Resource Holders in the RIPE NCC Service Region**

**ripe-636: IPv6 Addresses for Internet Root Servers in the RIPE Region**

**ripe-635: Allocating/Assigning Resources to the RIPE NCC**

**ripe-603: Publication of Sponsoring LIR for Independent Resources**

**ripe-596: Policy for Resource Certification for non-RIPE NCC Members**

**ripe-581: Policy For Reverse Address Delegation of IPv4 and IPv6 Address Space in the RIPE NCC Service Region**

**ripe-529: Global Policy for post exhaustion IPv4 allocation mechanisms by the IANA**

**ripe-497: Global Policy for the Allocation of IPv4 Blocks To Regional Internet Registries**

**ripe-480: Internet Assigned Numbers Authority (IANA) Policy for Allocation of ASN Blocks to Regional Internet Registries**

**ripe-451: IPv6 Address Space Policy For Internet Exchange Points**

**ripe-436: Global Policy For The Allocation Of The Remaining IPv4 Address Space**

**ripe-376: Assigned Numbers Authority (IANA) Policy For Allocation of IPv6 Blocks To Regional Internet Registries**

**ripe-344: Internet Assigned Numbers Authority (IANA) Policies For Allocation of IPv4 Blocks to Regional Internet Registries**

# RIPE Regional Policies per Topic



## IPv4

ripe-826: IPv4 Address Allocation and Assignment Policies for the RIPE NCC Service Region

## IPv6\*

ripe-738: IPv6 Address Allocation and Assignment Policy

ripe-451: IPv6 Address Space Policy For Internet Exchange Points

ripe-636: IPv6 Addresses for Internet Root Servers in the RIPE Region

## ASNs

ripe-679: Autonomous System (AS) Number Assignment Policies

## Independent Resources Holders\*

ripe-637: Contractual Requirements for Provider Independent Resource Holders in the RIPE NCC Service Region

ripe-603: Publication of Sponsoring LIR for Independent Resources

## Resources Distribution

ripe-801: Temporary Internet Number Assignment Policies

ripe-635: Allocating/Assigning Resources to the RIPE NCC

## Resource Transfers\*

ripe-806: Voluntary Transfer Lock

ripe-807: RIPE Resource Transfer Policies

## RIPE Database Registration

ripe-731: RIPE NCC IRR Database Non-Authoritative Route Object Clean-up

ripe-705: Abuse Contact Management in the RIPE Database

## RIPE NCC Services

ripe-581: Policy For Reverse Address Delegation of IPv4 and IPv6 Address Space in the RIPE NCC Service Region

ripe-596: Policy for Resource Certification for non-RIPE NCC Members

ripe-639: RIPE NCC Services to Legacy Internet Resource Holders

**\*Would you like to consolidate these into a single policy document?**

**ripe-738: IPv6 Address Allocation and Assignment Policy**  
**ripe-451: IPv6 Address Space Policy For Internet Exchange Points**  
**ripe-636: IPv6 Addresses for Internet Root Servers in the RIPE Region**

## ripe-738

## ripe-451

## ripe-636

ripe-???

**Abstract**  
This document defines registry policies for the assignment and allocation of globally unique IPv6 addresses to Internet Service Providers (ISPs) and other organisations. It was developed through joint

- 1.1. Introduction
  - 1.1.1. Overview
  - 1.1.2. Objectives
  - 1.1.3. Internet: History (19)
  - 1.2. Regional Internet Authority (RIPE)
  - 1.3. National Internet Authority (NIRX)
  - 1.4. European Internet Authority (EURA)
  - 1.5. African Internet Authority (AFRICA)
  - 1.6. Asian Internet Authority (ASIA)
  - 1.7. Oceania
  - 1.8. Summary
  - 1.9. End Note
  - 2. Goals of the IP address space management
    - 2.1. Goals
    - 2.2. Objectives
    - 2.3. Realization
    - 2.4. Allocation
    - 2.5. Coordination
    - 2.6. Summary
    - 2.7. Misaligned Overview
    - 2.8. Conflict of Goals
    - 3. IP Address Principles
      - 3.1. Address space not to be considered as
      - 3.2. *Availability not guaranteed*
      - 3.3. Summary Allocation
      - 4. Consideration of the IP infrastructure
        - 4.1. Allocation and assessment
        - 4.2. Initial allocation
        - 4.3. Initial allocation criteria

**Contents**

- 1.0 Introduction
- 2.0 Acknowledgments
- 3.0 Foreword
- 4.0 Preface
- 5.0 Acknowledgments
- 6.0 Acknowledgments
- 7.0 Acknowledgments
- 8.0 Acknowledgments
- 9.0 Acknowledgments
- 10.0 Acknowledgments
- 11.0 Acknowledgments
- 12.0 Acknowledgments
- 13.0 Acknowledgments
- 14.0 Acknowledgments
- 15.0 Acknowledgments
- 16.0 Acknowledgments
- 17.0 Acknowledgments
- 18.0 Acknowledgments
- 19.0 Acknowledgments
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[illegible]

Address space for EDPs qualifying under this policy can be requested by using the form "IPV6 Request Form for Internet Exchange Points" available from the RIPE Document Store at:

Author: RIFE  
Document ID: rife-636  
Classification: rife-233  
Date: March 2015

Internet DNS root servers are particularly critical elements of the Internet's infrastructure. They need to be operated in a neutral and professional manner that will not inspire any artificial or unnecessary barriers to entry.

Although it is undesirable to give special status to any IP (IPv4 or IPv6) address block, it was agreed that the community that the particular need defined in this document is the only justifiable exception to the general principle.

It is not associated with the organisation(s) that operates the root server at a particular point in time and those organisations must not use the address space to provide any services not related to the root server.

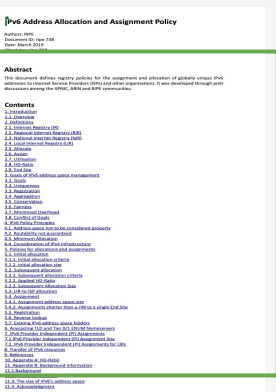
If a root server stops operating within the RPE region, the address space will be returned to the RPE MCC and marked as "Reserved" for a suitable time period of time.

# Example - IPv6



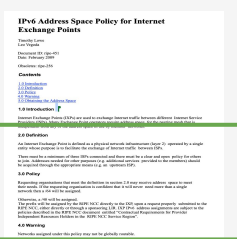
## ripe-738: IPv6 Address Allocation and Assignment Policy ripe-451: IPv6 Address Space Policy For Internet Exchange Points ripe-636: IPv6 Addresses for Internet Root Servers in the RIPE Region

### ripe-738



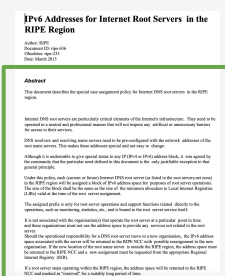
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### ripe-451



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### ripe-636



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### ripe-???



## In the new policy document:

- Would the **Abstract, Introduction** and **Policy Text** from each document be enough?
- Could each document's **Rationale, Attribution and Acknowledgements** be **referenced with a footnote**?
- Could the **Definitions** and **Goals** be published in a separate document?



# Questions to the APWG Mailing List on the way forward



## Option 1

Should the RIPE community set up a **Task Force** to redact new documents?



## Option 2

Should the **RIPE community** propose new documents for discussion in the PDP?



## Option 3

Should the **RIPE NCC** propose new documents for discussion in the PDP?



## Option 4

Any other idea?

## Please share your opinion!

To subscribe:

<https://mailman.ripe.net/mailman3/lists/address-policy-wg.ripe.net/>



# Questions & Comments



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