

# **DRAFT: Policy For Reverse Address Delegation of IPv4 and IPv6 Address Space in the RIPE NCC Service Region**

## **How to read this draft document:**

This document relates to a project to improve the readability of RIPE policy documents. If approved, it will replace [ripe-302](#). To show you how the new document will differ from the current one, we've both provided a summary of the changes made and listed both the current and the proposed text in this document.

Another version of this draft document containing both the current and the proposed text side-by-side [is available](#).

## **Summary of changes:**

- Simplified the title to the current main section 2.0
- Simplified the text in the current main section 2.0

## **Added in new draft document:**

- Section 1.0 Definition
- Section 5.0 References
- Section 6.0 Attribution

## **Abstract**

This document describes the policy for reverse delegation of IPv4 and IPv6 address space in the RIPE NCC service region.

## **Contents**

- 1.0 Definition
- 2.0 Introduction
- 3.0 Reverse Delegation in the RIPE NCC Service Region
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## 1.0 Definition

- 1.1 **Reverse delegation:** The process by which the authority for certain reverse DNS zones is assigned to a specific set of DNS servers.
- 1.2 **Reverse resolution:** The process by which a recursive DNS resolver can look up the names of a given IP address by following a chain of referrals from the root zone to either the in-addr.arpa zone or the ip6.arpa zone.
- 1.3 **Early registration:** IPv4 address space assigned or allocated before the establishment of the Regional Internet Registries (RIRs).

## 2.0 Introduction

The RIPE NCC provides the necessary support to enable reverse resolution of IPv4 and IPv6 address space into domain names. This service is implemented under the in-addr.arpa and ip6.arpa sub domains described in [1] and [2].

## 3.0 Reverse Delegation in the RIPE NCC Service Region

The RIPE NCC provides reverse delegations for IPv4 and IPv6 address space that is registered by the RIPE NCC.

The RIPE NCC also provides systems to control reverse delegation of early registrations that have been transferred to the RIPE Database.

Address space holders may delegate authority to another party.

## 4.0 Procedures

The procedures for requesting and modifying reverse delegation and information about the requirements the RIPE NCC enforces are published at:

<http://www.ripe.net/reverse/>

## 5.0 References

[1] "Management Guidelines & Operational Requirements for the Address and Routing Parameter Area Domain ("arpa")" [[RFC 3172](#)]

[2] "DNS Extensions to Support IPv6 Address Aggregation and Renumbering" [[RFC 2874](#)]

## 6.0 Attribution

This document is compiled from policies developed by the RIPE community.

The following people actively contributed to this policy by making proposals through the RIPE Policy Development Process:

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