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

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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.

We indicate changes to existing text in the document like this:

CURRENT TEXT	PROPOSED TEXT
The text from the current policy document that will be replaced is displayed here.	The proposed text will be displayed here.

If you want to print out the document, we recommend downloading this PDF.
Another version of this draft document is available that contains only the proposed text.

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

CURRENT TEXT	PROPOSED TEXT
Abstract This document describes the policy for reverse delegation of IPv4 and IPv6 address space in the RIPE NCC service region.	**Abstract** This document describes the policy for reverse delegation of IPv4 and IPv6 address space in the RIPE NCC service region.
Contents 1.0 Introduction 2.0 Obtaining Delegation of an in-addr.arpa or ip6.arpa.sub-domain 3.0 Procedures 4.0 References	**Contents** 1.0 Definition 2.0 Introduction 3.0 Reverse Delegation in the RIPE NCC Service Region 4.0 Procedures 5.0 References 6.0 Attribution
	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 Early registration:** IPv4 address space assigned or allocated before the establishment of the Regional Internet Registries (RIRs).
1.0 Introduction The RIPE NCC provides, as part of its services, the necessary support	**2.0 Introduction**

to enable the 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]. Reverse delegations for IPv4 and IPv6 addresses allocated by the RIPE NCC are made to Local Internet Registries (LIRs) and further delegated by the LIRs to Internet Service Providers or End Users.	The RIPE NCC provides the necessary support to enable 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].
2.0 Obtaining Delegation of an in-addr.arpa or ip6.arpa sub-domain The RIPE NCC provides reverse delegation for address space that has been allocated or assigned by the RIPE NCC. It also provides systems to control reverse delegations relating to early registrations that have been transferred to the RIPE Database. Registrants of address space allocations or assignments may delegate authority for requesting reverse delegation from the RIPE NCC. The RIPE NCC accepts requests for reverse delegation for address space that has been allocated by the RIPE NCC to an LIR or, in the case of PI address space, an assignment that has been made to an End User.	**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.
3.0 Procedures The procedures for requesting and modifying reverse delegation and information about the requirements the RIPE NCC enforces to maintain the quality of the reverse delegations are published at:	**4.0 Procedures** The procedures related to reverse delegation and information about the requirements the RIPE NCC enforces are published at: http://www.ripe.net/reverse/

http://www.ripe.net/reverse/	
4.0 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]	**5.0 References** [1] [RFC 3172] "Management Guidelines & Operational Requirements for the Address and Routing Parameter Area Domain ("arpa")" [2] [RFC 3596] "DNS Extensions to Support IP Version 6", [RFC 3363] “Representing Internet Protocol version 6 (IPv6) Addresses in the Domain Name System”, [RFC 3364] “Tradeoffs in Domain Name System (DNS) Support for Internet Protocol version (IPv6)”
	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: Olaf Kolkman Leo Vegoda