



Recommended Draft Policy

ARIN-2025-8

Reserve 4.10 Space for In-Region Use

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Problem Statement

Current Text (14 July 2025)

ARIN 4.10 allocations, reserved to facilitate IPv6 deployment, currently have no restrictions for out-of-region use beyond the general restrictions laid out in Section 9. As the use of these allocations outside of the ARIN region seems to be contrary to the intentions for use of this space - and ARIN staff has interpreted the policy as such - the prohibition of this practice should be codified in policy.

Policy Statement



Change the second sentence in NRPM Section 4.10 from:

"This IPv4 allocation will be set aside and dedicated to facilitate IPv6 deployment."

To:

"This IPv4 allocation will be set aside and dedicated to facilitate IPv6 deployment **within the ARIN service area.**"

Statement of Conformance



AC Assessment of Conformance with the Principles of Internet Number Resource Policy

Recommended Draft Policy ARIN-2025-8 conforms to the principles of the ARIN Policy Development Process. This policy, if adopted, clarifies within the NRPM ARIN's current practices for managing IPv4 addresses allocated to facilitate IPv6 Deployment (IPv4 allocations governed by Section 4.10 in the NRPM).

There were concerns from a small subset of the community that the added language was too ambiguous. Follow-ups to both the PPML and at the ARIN 57 in-person meeting did not reveal any additional concerns about the ambiguity of the language in this policy, nor did they yield any suggestions for how the wording could be made less ambiguous. This policy did receive community support both at the most recent ARIN meeting and in prior meetings. We have found this policy to be fair and impartial, and technically sound.

History

Action	Date
Proposal	14 July 2025
Draft Policy	26 August 2025
Staff and Legal Completed	25 November 2025
Recommended Draft Policy	27 April 2026

Staff and Legal Review

(12 November 2025)

Staff Understanding: The current implementation of Section 4.10 (Dedicated IPv4 Allocations to Facilitate IPv6 Deployment) requires that IPv4 addresses be used within the ARIN region. Draft Policy ARIN-2025-8: Reserve 4.10 Space for In-Region Use codifies the current practices applied by ARIN staff when processing requests under Section 4.10. This policy does not alter existing review practices; it formally documents the longstanding approach ARIN staff has used and will continue to apply.

Staff and Legal Review

Continued

Implementable as Written?: Yes

Impact on ARIN Registry Operations and Services: None

Legal Review: No material legal issue

Implementation Timeframe Estimate: 3 months

Implementation Requirements:

- Staff Training
- Updates to public documentation
- Updates to internal procedures and guidelines

Proposal/Draft Policy Text Assessed: 14 July 2025

Policy Impact

The intention of this policy is to make the interpretation by ARIN staff explicit – that IPv4 addresses allocated to facilitate IPv6 deployment may only be used within the ARIN service region. By codifying this interpretation in the NRPM, this policy will eliminate confusion and make it clear to the community that IPv4 for IPv6 transition is only to be used within the ARIN service region.

Community Feedback

At meetings, the feedback has been overwhelmingly positive. This policy originated from a Policy Experience and Implementation Report presented at ARIN 55. The Chief Experience Officer asked the community if they agreed with ARIN staff's interpretation of 4.10 space to only be used within the ARIN service region.

Several community members spoke up that they supported that interpretation. Since then this policy has been presented as a draft at two meetings, and additional community feedback has been sought via the Public Policy Mailing List (PPML). There has been some concern from PPML members, which will be addressed next.

Community Feedback

There are two main concerns that were voiced on the PPML. The first concern: The wording of this policy appears to be too ambiguous

In regards to 1, follow ups to the PPML and at the ARIN policy meeting have not yielded suggestions for less ambiguous language or additional agreement that the language is too ambiguous.

If additional community members agree that the current policy language is too ambiguous, I would strongly encourage them to please come forward and voice their opinion.

Community Feedback

The second concern: This policy appears to be unnecessarily protective

This policy was the result of ARIN community members voicing their agreement that 4.10 space should only be used within the ARIN service region. Questions were raised about how susceptible 4.10 space is to abuse. In short, the answer is very – 4.10 space is generally the highest target for fraud from the pools of IPv4 space that ARIN still manages.

From last year's Registry Integrity Report:

"This policy is highly abused using the following abuse vectors:

- Announced Out of Region
- Reassigned/reallocated to customers
- Leasing as IPv4 space
- Announced with no associated IPv6 being announced"

Questions for the Community

Are you in favor of the policy as written?

Make sure to raise your hands high and
keep them up for our counters in the room

