



Recommended Draft Policy

ARIN-2025-7

Make Policy in 6.5.8.2 Match the Examples

Lily Botsyoe
Leif Sawyer





Problem Statement

Current Text (20 May 2026)

6.5.8.2 states “An organization qualifies for an assignment on the next larger nibble boundary when their sites exceed 75% of the /48s available in a prefix.” and then follows with “For example: More than 1 but less than or equal to 12 sites justified, receives a /44 assignment;” implying that a single site should only receive a /48. However, 1 /48 exceeds 75% of the /48s available in a /48 (1), so per the rule an organization with a single site should receive a /44, which differs from the example.

Policy Statement



Current Text:

6.5.8.2. Initial Assignment Size

Organizations that meet at least one of the initial assignment criteria above are eligible to receive an initial assignment of /48. Requests for larger initial assignments, reasonably justified with supporting documentation, will be evaluated based on the number of sites in an organization's network and the number of subnets needed to support any extra-large sites defined below.

The initial assignment size will be determined by the number of sites justified below. An organization qualifies for an assignment on the next larger nibble boundary when their sites exceed 75% of the /48s available in a prefix. For example:

- More than 1 but less than or equal to 12 sites justified, receives a /44 assignment;
- More than 12 but less than or equal to 192 sites justified, receives a /40 assignment;
- More than 192 but less than or equal to 3,072 sites justified, receives a /36 assignment;
- More than 3,072 but less than or equal to 49,152 sites justified, receives a /32 assignment; etc...

Policy Statement Continued



Proposed Text:

6.5.8.2. Initial Allocation Size

Organizations that meet at least one of the initial **allocation** criteria above are eligible to receive an initial **allocation** of /48. **Larger** initial **allocation sizes** will be determined by the number of sites justified below; an organization will qualify for an **allocation** on the next larger nibble boundary when their sites exceed 75% of the /48s available in a prefix. For example:

- 2 to 12 sites justified will receive a /44 **allocation**;
- 13 to 192 sites justified will receive a /40 **allocation**;
- 193 to 3,072 sites justified will receive a /36 **allocation**;
- 3,073 to 49,152 sites justified will receive a /32 **allocation**, etc.

Statement of Conformance



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

Recommended Draft Policy ARIN-2025-7 conforms to the principles of the ARIN Policy Development Process. If adopted, this policy fixes a math loophole in NRPM Section 6.5.8.2 to clarify that a single-site organization receives a /48 IPv6 allocation.

To align with current registry procedures, it also updates the terminology throughout the section from “assignment” to “allocation.” These clarifications match ARIN’s actual current practices, introduce no operational changes, and have received strong community support both on the PPML and at recent ARIN meetings. We have found this policy to be fair, impartial, and technically sound. Additionally, we have had no concerns expressed by the community for this policy.

History

Action	Date
Proposal	19 May 2025
Draft Policy	1 July 2025
Revised	4 February 2026
Revised	20 May 2026
Recommended Draft Policy	24 June 2026

Staff and Legal Review

(15 June 2026)

Staff Understanding

Section 6.5.8.2 of the NRPM describes the requirements for an initial allocation of IPv6 addresses to end user organizations based on the number of sites in the organization's network. Staff understands this Draft Policy intends to clarify how these requirements apply to organizations with only one site.

Staff also understands this draft policy updates instances of "assignment" to "allocation" since Assignments are no longer issued by ARIN.

This policy would not result to any change in existing allocation practices and only adds clarity.

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

Proposal/Draft Policy Text Assessed: 20 May 2026

Policy Impact

- Clearly defines that assignments larger than a /48 (such as /44 or /40) are only triggered once an organization justifies more than one site.
- Removes a loophole where the "75% rule" accidentally qualified single-site organizations for a /44, forcing the policy to align with the intended /48 baseline.
- Renames "Initial Assignment Size" to "Initial Allocation Size" and updates all internal references to "allocation" to align ARIN's current practices.

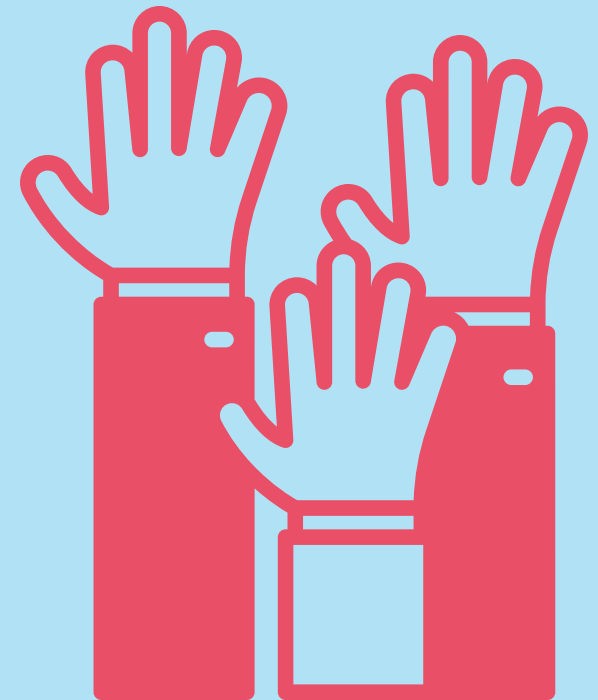
Community Feedback

- Received support on the Public Policy Mailing List concerning assignment to allocation change.
- Previous feedback from ARIN 57 indicates general positive feedback if the policy structure was reworked to state that a single-site organization receives a /48, and then the 75% formula applies to multisite organizations rather than framing the /48 as an exception.

Questions for the Community

Do you support this policy as written?

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



Recommended Draft Policy ARIN-2025-7: Make Policy in 6.5.8.2 Match the Examples