Draft Policy 2023-5: Clean-up of NRPM Sections 4.3.4, 4.4, 4.10 and 6.10.1

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Problem Statement

Current Text

(14 August 2023)

This proposal continues the work that the ARIN AC NRPM Clean-up Working Group undertook to simplify the NRPM. It relates specifically to sections 4.3.4, 4.4, 4.10 and 6.10.1. The focus of this proposal is to remove unnecessary wording from these sections. In the case of section 4.3.4, the text of the entire section is redundant, because it is clear throughout the NRPM that resources can be obtained under various policies and so it is not necessary for that to be stated specifically. In the case of sections 4.4 and 6.10.1, the references to fee payment should be removed since the PDP does not address fees. In the case of section 4.10, unnecessarily complex language can be simplified.

- Delete section 4.3.4 in its entirety and replace it with the heading "4.3.4 [Retired]".

- For section 4.4, delete the sentence: "Organizations receiving these micro-allocations will be charged under the fee schedule."

- For section 4.10, replace the text "This block will be subject to a minimum and maximum size allocation of /24." with the text "A /24 block will be allocated."

- For section 6.10.1, delete the sentence: "Organizations receiving these micro-allocations will be charged under the fee schedule."

Policy Statement

Current Text proposed to be deleted:

4.3.4. Additional Considerations

End-users may qualify for address space under other policies such as Micro-allocation [4.4].

Policy Statement

Current Text proposed to be **deleted:**

4.4. Micro-allocation

ARIN will make IPv4 micro-allocations to critical infrastructure providers of the Internet, including public exchange points, core DNS service providers (e.g. ICANN-sanctioned root and ccTLD operators) as well as the RIRs and IANA. These allocations will be no smaller than a /24. Multiple allocations may be granted in certain situations.

Exchange point allocations MUST be allocated from specific blocks reserved only for this purpose. All other micro-allocations WILL be allocated out of other blocks reserved for micro-allocation purposes. ARIN will make a list of these blocks publicly available.

Exchange point operators must provide justification for the allocation, including: connection policy, location, other participants (minimum of three total), ASN, and contact information. Organizations receiving these micro-allocations will be charged under the fee schedule. This policy does not preclude exchange point operators from requesting address space under other policies.

ARIN will place an equivalent of a /15 of IPv4 address space in a reserve for Critical Infrastructure, as defined in section 4.4.

ICANN-sanctioned gTLD operators may justify up to the equivalent of an IPv4 /23 block for each authorized gTLD, allocated from the free pool or received via transfer, but not from the above reservation. This limit of a /23 equivalent per gTLD does not apply to gTLD allocations made under previous policy.

Policy Statement

Current Text to be **Edited**

4.10. Dedicated IPv4 Block to Facilitate IPv6 Deployment

ARIN shall allocate a contiguous /10 from its last /8 IPv4 allocation from IANA. This IPv4 block will be set aside and dedicated to facilitate IPv6 deployment. Allocations and assignments from this block must be justified by immediate IPv6 deployment requirements. Examples of such needs include: IPv4 addresses for key dual stack DNS servers, and NAT-PT or NAT464 translators. ARIN staff will use their discretion when evaluating justifications.

This block will be subject to a minimum and maximum size allocation of /24. A /24 block will be allocated. ARIN should use sparse allocation when possible within that /10 block.

In order to receive an allocation or assignment under this policy:

- the applicant may not have received resources under this policy in the preceding six months, except to the extent that the applicant is requesting resources for a discrete network in respect of which it has not received any resources under this policy in the preceding six months;

- previous allocations/assignments under this policy must continue to meet the justification requirements of this policy;

- previous allocations/assignments under this policy must be utilized to at least 80% to obtain an additional allocation or assignment;

- the applicant must demonstrate that no other allocations or assignments will meet this need.

- An applicant requesting multiple allocations under this policy to support Multiple Discrete Networks, as defined under Section 4.5, may not receive more than the equivalent of a /21 of IPv4 address space in any one six-month period hereunder.

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Policy Statement

6.10.1. Micro-allocations for Critical Infrastructure

ARIN will make micro-allocations to critical infrastructure providers of the Internet, including public exchange points, core DNS service providers (e.g. ICANN-sanctioned root, gTLD, and ccTLD operators) as well as the RIRs and IANA. These allocations will be no longer than a /48. Multiple allocations may be granted in certain situations. - Exchange point allocations MUST be allocated from specific blocks reserved only for this purpose. All other micro-allocations WILL be allocated out of other blocks reserved for micro-allocation purposes. ARIN will make a list of these blocks publicly available. - Exchange point operators must provide justification for the allocation, including: connection policy, location, other participants (minimum of two total), ASN, and contact information. Organizations receiving these micro-allocations will be charged under the organizations fee schedule. This policy does not preclude exchange point operators from requesting address space under other policies.

History

Action	Date
Proposal	14 August 2023
Draft Policy	26 September 2023

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Staff and Legal Review (9 October 2023)

Staff Understanding:

Draft Policy ARIN-2023-5 makes minor editorial changes to NRPM Sections 4.3.4, 4.4, 4.10 and 6.10.1

The policy text is clear and understandable.

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: Updates to public documentation

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Community Feedback

The proposed changes are supported and editorial.

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Thank You

Questions or Comments?