



## Recommended Draft Policy ARIN-2020-5: Clarify and Update Requirements for Allocations to Downstream Customers

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# History

Proposal	19 May 2020
Draft Policy	23 June 2020
Revised	22 July 2020
Recommended	20 Aug 2020

# Staff and Legal Review

## **Summary (Staff Understanding)**

ARIN-2020-5 replaces RFC2050 references in Sections 4.2.3.4.1. and 4.2.3.6. with references to the End user assignment utilization requirements in Section 4.3.3.

## **ARIN Staff Comments**

ARIN-2020-5 would align requirements for downstream customers with existing ARIN End user policy and remove outdated RFC2050 references, which have been a source of confusion in the past.

This text is clear and understandable, and can be implemented as written.

# Staff and Legal Review

## **ARIN General Counsel – Legal Assessment**

No material legal issue.

## **Resource Impact**

Implementation of this policy would have minimal resource impact. It is estimated that implementation would occur within three months after ratification by the ARIN Board of Trustees. The following would be needed in order to implement:

- Staff training
- Updated guidelines and internal procedures
- Standard documentation updates

## ARIN-2020-5 Policy Goals

This draft policy replaces outdated RFC2050 references in Sections 4.2.3.4.1. and 4.2.3.6. with references to the end user assignment utilization requirements in Section 4.3.3.

## ARIN-2020-5 How Did We Get Here?

ARIN AC working group is currently working on cleaning up some of the existing NRPM text. This was sent in as a policy update to correct the language

Given that RFC7020, which supersedes RFC2050, no longer carries specific utilization requirements for downstream customers of ISPs, the RFC reference may be removed from Section 4.2.3.6, instead referencing Section 4.3.3 (currently, 50% utilization within 24 months) to harmonize the utilization requirements of both ISPs and their downstream customers.

Removing these references from Section 4.2.3.6 will simplify the language of that section.

# ARIN-2020-5 Current Policy Part 1

## 4.2.3.4.1 Utilization

Reassignment and reallocation information for prior allocations must show that each customer meets the 80% utilization criteria and must be available via SWIP / a distributed service which meets the standards set forth in section 3.2 prior to your issuing them additional space.

# ARIN-2020-5 Proposed Policy Part 1

## 4.2.3.4.1 Utilization

A downstream customer requesting address space from an upstream ISP must document a plan to the allocating ISP for their utilization to conform to Section 4.3.3. Reassignment and reallocation information for prior allocations must show that each customer meets the 80% utilization criteria and must be available via SWIP / a distributed service which meets the standards set forth in section 3.2 prior to your issuing them additional space.



## ARIN-2020-5 Current Policy Part 2

### 4.2.3.6 Reassignments to Multihomed Downstream Customers

Under normal circumstances an ISP is required to determine the prefix size of their reassignment to a downstream customer according to the guidelines set forth in RFC 2050. Specifically, a downstream customer justifies their reassignment by demonstrating they have an immediate requirement for 25% of the IP addresses being assigned, and that they have a plan to utilize 50% of their assignment within one year of its receipt. This policy allows a downstream customer's multihoming requirement to serve as justification for a /24 reassignment from their upstream ISP, regardless of host requirements.

## ARIN-2020-5 Current Policy Part 2- cont

### 4.2.3.6 Reassignments to Multihomed Downstream Customers

Downstream customers must provide contact information for all of their upstream providers to the ISP from whom they are requesting a /24. The ISP will then verify the customer's multihoming requirement and may assign the customer a /24, based on this policy. Customers may receive a /24 from only one of their upstream providers under this policy without providing additional justification. ISPs may demonstrate they have made an assignment to a downstream customer under this policy by supplying ARIN with the information they collected from the customer, as described above, or by identifying the AS number of the customer. This information may be requested by ARIN staff when reviewing an ISP's utilization during their request for additional IP addresses space.

## ARIN-2020-5 Proposed Policy Part 2

### 4.2.3.6. Reassignments to Multihomed Downstream Customers

If a downstream customer has a requirement to multihome, that requirement alone will serve as justification for a /24 allocation. Downstream customers must provide contact information for all of their upstream providers to the ISP from whom they are requesting a /24, and utilize a border routing protocol between the customer and the ISP. Customers may receive a /24 from only one of their upstream providers under this policy without providing additional justification. ISPs may demonstrate they have made an assignment to a downstream customer under this policy by supplying ARIN with the information they collected from the customer, as described above, or by identifying the AS number of the customer.

# ARIN-2020-5 Summary

Part of the NRPM working group cleanup

Simplifies the language

Removes reference to a deprecated RFC

Checked with organizations that maybe impacted- no issues/consequences noted

PPML reception positive

Staff and Legal - no issues, easily implementation

Thanks!

Any

Questions?

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