ARIN 44

31 October - 1 November 2019 • Austin, Texas

Recommended Draft Policy 2019-3 Update 4.10 – IPv6 Deployment Block

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ARIN 2019-3 Problem Statement

- ARIN staff has noted that the current 4.10 policy is causing problems in its implementation.

- The current policy specifies a /28 minimum. However, ARIN can only allocated a /24 as its minimum size. ARIN's current tools only support a minimum of /24 for reverse DNS.

ARIN 2019-3 Problem Statement

- The current RPKI landscape is also an impediment to using smaller block sizes. Furthermore, a /28 practically is unrouteable, so an organization if they were to receive a /28 would be unable to functionally interoperate with most IPv4 end points, for applications which were noted examples in the original policy.

ARIN 2019-3 Problem Statement

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. ARIN should use sparse allocation when possible within that /10 block.

ARIN 2019-3 Problem Statement

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

1. the applicant may not have received resources under this policy in the preceding six months and cannot receive more than a /21 under this policy section;

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

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

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

ARIN 2019-3 Summary

- Raises the minimum size to a /24 and limits total amount an organization can receive to a /21.

- Removes the requirement for return and renumber

- Clarifies the utilization requirements by placing them directly into 4.10 rather than a reference to the utilization requirements of end users.

ARIN 2019-3 Feedback and Updates

- There was robust discussion and positive feedback at ARIN 43 public policy meeting, however there hasn't been much discussion on PPML.

- On 15 August 2019, the ARIN Advisory Council (AC) advanced **2019-3** Draft Policy to Recommended Draft Policy status.

ARIN 2019-3 Staff and Legal 1 of 2

ARIN Staff Comments

The new text is clear and easily understood.

ARIN General Counsel – Legal Assessment

There are no material legal issues regarding this proposal.

ARIN 2019-3 Staff and Legal 2 of 2
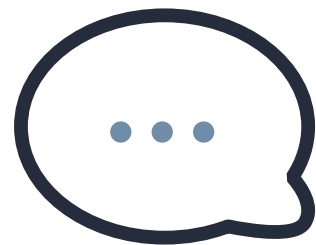
Resource Impact

Implementation of this policy would have minimum resource impact. It is estimated that implementation would occur within 3 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
- Updated documentation on website

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Thank you.
Any Questions?

Discussion