

Recommended Draft Policy ARIN-2014-21  
Modification to CI Pool Size per Section 4.4

[https://www.arin.net/policy/proposals/2014\\_21.html](https://www.arin.net/policy/proposals/2014_21.html)

1. Policy Proposal 213 - October 2014
2. Draft Policy - 25 November 2014
3. Presented
  - a. ARIN PPC at NANOG 63
4. Recommended Draft Policy - 24 March 2015
5. Presented
  - a. ARIN 35
6. Last Call – 27 April through 11 May 2015
7. AC meeting to review last call on 21 May 2015
  - a. AC moved to Board unanimously with 14 in favor.

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**Recommended Draft Policy ARIN-2014-21  
Modification to CI Pool Size per Section 4.4**

Date: 25 November 2014

**AC's assessment of conformance with the Principles of Internet Number Resource Policy:**

This proposal enables fair and impartial number resource administration by ensuring IPv4 resources are available for critical infrastructure and Internet Exchanges in particular after IPv4 resources are no longer readily available from the ARIN free pool. This benefits more than just the individual organizations receiving these resources; it benefits the entire Internet Community by contributing to the stability and scalability of the Internet as a whole. This proposal is technically sound and is supported by the community.

**Problem Statement:**

At the time that this section of policy was written, IXP growth in North America was stagnant. Efforts of late have increased significantly within the IXP standards and other communities to improve critical infrastructure in North America. This effort is paying dividends and we project that a /16 will not be enough to continue to improve global interconnect conditions and support needed IXP CI infrastructure.

## **Policy statement:**

Change to text in section 4.4 Micro Allocations:

### Current text:

ARIN will place an equivalent of a /16 of IPv4 address space in a reserve for Critical Infrastructure, as defined in section 4.4. If at the end of the policy term there is unused address space remaining in this pool, ARIN staff is authorized to utilize this space in a manner consistent with community expectations.

### Proposed text to replace current text entirely:

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

Timetable for implementation: Immediate

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## **ARIN STAFF ASSESSMENT**

Draft Policy ARIN-2014-21: Modification to CI Pool Size per Section 4.4

Date of Assessment: 14 January 2015

### 1. Summary (Staff Understanding)

This policy changes one section of existing NRPM policy 4.4 to extend the current reservation size for critical infrastructure and exchange points from a /16 equivalent to a /15 equivalent.

### 2. Comments

#### A. ARIN Staff Comments

- For informational purposes:
- A total of 35 /24s have been issued from the reserved /16 equivalent for CI and IXPs since the policy was amended and implemented on 20 March 2013, leaving 221 /24s available in this reserved block.
- There are currently 381 free /24s remaining in the two /8 ranges used for CI and IXP micro-allocations.
- This policy could be implemented as written.

#### B. ARIN General Counsel - Legal Assessment

This proposal does not create any material legal issue.

### 3. Resource Impact

This policy would have minimal resource impact from an implementation aspect. 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:

- Updated guidelines and internal procedures
- Staff training

### 4. Proposal/Draft Policy Text Assessed

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