Recommended Draft Policy: ARIN-2014-21

Modification to CI Pool Size per Section 4.4

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.

Summary

- Changes CI Reservation from /16 to /15
  - Adding the equivalent of an additional /16
- Only 38 /24s of 256 from the current /16 have been used, less than 15%
- Discussion on PPML
  - Some support, but no opposition
- Discussed at NANOG 63 PPC (San Antonio)
  - Both some support and some opposition

Summary Continued

- Additional resources will come from the IANA Recovered IPv4 Pool, Sept 1
  - Well in excess of a /16 equivalent
  - So, resources should be available, even if ARIN IPv4 Free pool runs out prior to implementation

Policy Statement

- Change to text in section 4.4 Micro Allocations

- New Text:

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

Discussion

- Is reserving an additional /16 equivalent necessary and justified?
  - Given 38 /24s used from current /16 equivalent
  - However, an additional /16 isn't that much in the overall scheme of things