



ARIN XXVI

atlanta, ga • 6-8 october 2010

Rework of IPv6 Assignment Criteria

Draft Policy 2010-8

2010-8 - History

Origin (Proposal 107)	14 January 2010
Draft Policy	23 February 2010
Presented	ARIN XXV
Revised/Current Version	14 September 2010

AC Shepherds:

David Farmer

Scott Leibrand

2010-8 – Summary

(Rework of IPv6 assignment criteria)

Changes IPv6 assignment policy

1. Need determined by total site count (sites get /48 or larger blocks)
2. Provides formula for initial assignment that allows for aggregation and growth (ARIN to assign on nibble boundaries, /48, /44, /40, etc.)
3. Subsequent assignments based on 75% site count (not individual site utilization)

2010-8 – Status at other RIRs

(Rework of IPv6 assignment criteria)

- **Draft policy is unique to ARIN**
- **Current policy (for a /48):**
 1. **AfriNIC**
Qualify per IPv4 policy, and have a plan
 2. **APNIC**
Automatic if multihomed with IPv4 space;
or, plan to multihome
 3. **LACNIC**
Automatic if organization has IPv4 space; or, have
a plan and route the aggregate
 4. **RIPE NCC**
Need to be multihomed

2010-8 – Staff Assessment

Legal: Liability Risk? - No

Staff Comments: Issues/Concerns?

1. > 12 sites must be assigned a /40 (when less could suffice) – fee schedule increases at /40.
2. Inconsistency between assignments and allocations, and, use of percentages and HD ratio.

Implementation: Resource Impact? - Minimal

Assessment available:

- Discussion Guide
- <http://lists.arin.net/pipermail/arin-ppml/2010-September/018108.html>

2010-8 – PPML Discussion

- **36 posts by 13 people**
- **5 in favor, 0 against**
- “This is a good start for the re-work of the policy... but it sounds as if the acceptable justifications are wide and flexible enough to warrant the reasonable justification of 'I want to be portable and globally unique' - which in my opinion is all that you should need to desire to have your own allocation.
- “What is the definition of site? Any building/campus in the network?” – “I think that is as good a definition as any.”
- “I would like to be sure that ARIN policy make it easy for [large] "end-users" to consider themselves ISP/LIRs (/32) where appropriate and justified.



ARIN XXVI

atlanta, ga • 6-8 october 2010

Rework of IPv6 Assignment Criteria

Draft Policy 2010-8