



ARIN XXVI

atlanta, ga • 6-8 october 2010

Permitted Uses of space reserved under NRPM 4.10

Draft Policy 2010-13

2010-13 - History

Origin (Proposal 116)	18 June 2010
Draft Policy (Petitioned)	4 August 2010
Revised/Current Version	23 September 2010

Draft policy under control of:

Owen DeLong

AC Shepherds:

Scott Leibbrand

Bill Sandiford

2010-13 – Summary

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- Changes the policy: “Dedicated IPv4 Block to Facilitate IPv6 Deployment”
 - Sets aside the entire last /8 ARIN for networks transitioning to IPv6 (vs. the current /10)
 - Any IPv4 address space returned to ARIN (and not subject to a global or regional transfer policy) gets added to this transition pool.
 - Establishes four classes of requestors, with four different pools to draw from.

2010-13 – Status at other RIRs

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1. AfriNIC

Proposal - IPv4 Soft Landing (/24 or /23 up to 4 times)*

2. APNIC

Policy – When down to a /8's worth of address space, organizations can make one request for a minimum *allocation* (currently /22)*

Proposal - The final /8 and critical infrastructure *assignments*

3. LACNIC

Policy – The last /12 is reserved for new ISPs and critical infrastructure, which may apply once (/22 maximum)

4. RIPE NCC

Proposal - Allocations from the last /8 (one /22)*

*Special reserve within the /8: AfriNIC /12, APNIC /16, RIPE /16

2010-13 – Staff Assessment

Legal: Liability Risk? - Pending

Staff Comments: Issues/Concerns?

1. Complicated and hard to understand.
2. Seems to be out of order – it starts out with reservations before ever mentioning the initial qualifying criteria.
3. Holding a 2 year reserve doesn't seem fair when others can not get any space.
4. Policy will supplant the Waiting List for Unmet Resources policy (ARIN 2010-1).
5. How can staff verify that X percent of an organization's content is IPv6 reachable?

Implementation: Resource Impact? - Major

Changes the way ARIN manages reverse DNS (for delegations smaller than /24)

Assessment available:

- Discussion Guide
- <http://lists.arin.net/pipermail/arin-ppml/2010-September/018187.html>

2010-13 – PPML Discussion

- Earlier proposal discussion
- 44 posts by 13 people
- 4 in favor, 5 against
- “Unless a policy will actively cause serious issues, even if all it accomplishes is preventing more of the last /8 from running through at the same rate as current, I am going to support it.
- “I have to admit that my choice of "policy strategy when it comes to IPv6 adoption" is to go with 4.10 as is.”
- “I believe this is misuse of a whole /8, and that the /10 already designated for this purpose is sufficient.”
- “I think a large part of the ARIN community wants to have all the details of an IPv4->IPv6 transition figured out before IPv4 runs out. A noble goal, and to the extent that is possible it should be done. It is important to realize though, it is not possible.”



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