ARIN 2014-22

Removal of Minimum in Section 4.10

Problem Statement

The current section 4.10 Dedicated IPv4 block to facilitate IPv6 Deployment creates an issue where a small new organization that requires an IPv4 allocation or assignment would potentially receive a block that today would be unroutable and therefore unusable for it intended purposes.

Policy Statement

Existing text

"This block will be subject to a minimum size allocation of /28 and a maximum size allocation of /24. ARIN should use sparse allocation when possible within that /10 block."

Change to

"This block will be subject to an allocation of /24. ARIN should use sparse allocation when possible within that /10 block."

Timetable for implementation: Immediate

Additional Info

- RIPE Labs study in Oct 2014 on reachability of small prefixes
    - 10% visibility & reachability for /28
    - 13% visibility & reachability for /25

- PPML Discussion
    - No advantage... ISP's will react relatively quickly to allow longer prefixes within this space when it becomes necessary
    - ..this block is intended to be a lifeline, that lifeline ideally would not be attached to an anchor (of needing to convince others to update filters)

Next Steps

- Requesting feedback from the community to indicate whether there is support for moving this to Recommended Draft.
- Do you agree with the problem statement?
- Should the allocation size be changed?
- Are you concerned about reachability of small prefixes from this block?