IPv6 Policy Housekeeping

2007-25
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Housekeeping

- The IPv6 policy is a mess.

  - "Interim"?

  - Global, doesn't match any RIR's format perfectly.

  - Hacked up by various policy proposals.

Housekeeping

- Head in the sand.
  - "If we do IPv6 right additional requests are so far off we can ignore the problem."
- Poised to explode (IPv4 Run Out)!

How to we proceed?

- AC, Board, and Staff have all reviewed the policy and found numerous issues.

  - Do they all have to go through the policy process?

  - How do we avoid 50 individual proposals?

- Do we even agree on the general concepts?

2007-25

Proposal History

- Proposed as a set of 15 changes.

- AC, BoT, and staff struggling with how to deal with non-policy edits to the NRPM.

- The AC felt some of the items on the list did not represent policy changes.

Policy Items

- Four items were identified as potentially policy changes.

  - The intent is not to change policy, but in some places where it is vague any change sets policy.

- Item numbers were retained to avoid confusion.

Change 1

- ## 6.5.1.1.d, existing text:

  be an existing, known ISP in the ARIN region or have a plan for making at least 200 /48 assignments to other organizations within five years.

- ## Proposed text:

  be an existing, known ISP in the ARIN region or have a plan for making at least 200 end-site assignments to other organizations within 5 years.

Staff Comment on I

- Staff is concerned the phrase "existing, known ISP" is left in the policy.

- I haven't seen agreement on new language, so I have left it unchanged in this policy.

Change J

- ## 6.5.3:

  There is no specific policy for an organization (LIR) to allocate address space to subordinate ISPs. Each LIR organization may develop its own policy for subordinate ISPs to encourage optimum utilization of the total address block allocated to the LIR. However, all /56 and larger assignments to end sites are required to be registered either by the LIR or its subordinate ISPs in such a way that the RIR/NIR can properly evaluate the HD-Ratio when a subsequent allocation becomes necessary.

Change J

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Change J

- ## Move to new section 6.5.4.4:

  All /56 and larger assignments to end sites are required to be registered either by the LIR or its subordinate ISPs in such a way that the RIR/NIR can properly evaluate the HD-Ratio when a subsequent allocation becomes necessary.

Staff Comment on J

- Staff would retire 6.5.3, rather than renumbering subsequent sections.

  - Sounds good to me!

Change K

- ## 6.5.8.2 Initial Assignment Size:

  Organizations that meet the direct assignment criteria are eligible to receive a direct assignment. The minimum size of the assignment is /48. Organizations requesting a larger assignment must provide documentation justifying the need for additional subnets.

  These assignments shall be made from a distinctly identified prefix and shall be made with a reservation for growth of at least a /44.

Change K

- ## 6.5.8.2 Initial Assignment Size:

  Organizations that meet the direct assignment criteria are eligible to receive a direct assignment. The minimum size of the assignment is /48. Organizations requesting a larger assignment must provide documentation justifying the need for additional subnets. An HD-Ratio of .94 must be met for all assignments larger than a /48.

  These assignments shall be made from a distinctly identified prefix and shall be made with a reservation for growth of at least a /44. This reservation may be assigned to other organizations later, at ARIN's discretion.

Change L

- 6.5.8.3 Subsequent Assignment Size:

  Additional assignments may be made when the need for additional subnets is justified. When possible, assignments will be made from an adjacent address block.

Change L

- ## 6.5.8.3 Subsequent Assignment Size:

  Additional assignments may be made when the need for additional subnets is justified. When possible, assignments will be made from an adjacent address block. Justification will be determined based on the 0.94 HD-Ratio metric.

PPML

- 1 for, 1 against the previous form of the policy.

- 2 for, 0 against the revised version of the policy presented here.

- Please post on PPML, or come up to the mikes, the AC needs your input.

Questions

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