Proposal to Change IPv6 Initial Allocation Criteria

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Background

- Voices are expressed by iDCs and small to medium sized LIRs in Japan that the current criteria is being a barrier for IPv6 allocation

- All RIRs other than APNIC has removed revised the criteria to address the same concern from the community

Current IPv6 initial allocation criteria

be an LIR;

not be an end site;

plan to provide IPv6 connectivity to organizations to which it will make assignments, by advertising that connectivity through its single aggregated address allocation; and

have a plan for making <u>at least 200 assignments</u> to other organizations within two years.

Intended target of IPv6 allocations

❑ ISPs/organizations of a substantial size that makes assignments to other entities in IPv6

➢ No endsites
➢ No small ISPs/organization (e.g. scale equivalent of LIRs with IPv4 allocations)

Current Problem

☐ It is being a barrier to the intended target

➤ i.e. criteria d) is not representative of conditions that intended target can meet

Intended Target

Those who meet the criteria

☐ Needs explanation of the original intention to remove the barrier

➤ Not functioning as criteria on its own

Measure

☐ Re-define the criteria so that the intended target can request for IPv6 allocations

Basic Principles

- ☐ the criteria should not be loser than the original intention
  - ➢ an equivalent scale as LIR in IPv4 AND assigns IPv6 to other organizations

- ☐ should not be loser than the current criteria for native IPv6 networks
  - ➢ Maintain the current criteria as OR condition

- ☐ the organization should <u>actually use</u> IPv6
  - ➢ Announce routing within two years

Proposed Criteria

a) be an LIR;

b) not be an end site;

c) plan to provide IPv6 connectivity to organizations to which it will make assignments, by advertising that connectivity through its single aggregated address allocation; and

d) Be an existing LIR with IPv4 allocations from an RIR/NIR which makes IPv6 assignments and/or sub-allocations to other organizations and announces the allocation in the inter-domain routing system within two years. OR

have a plan for making at least 200 assignments to other organizations within two years.

Major Issue raised on the ML

☐ The criteria must ensure that allocated IPv6 will actually be used

  ➤ Point taken. Routing requirement added

☐ Perhaps still some concerns exist over the language?

  ➤ No strong preference as long as it does not require a guarantee, and strength of language is consistent with other APNIC documents

Q&A