

Modification of allocation criteria in the “IPv6 Address Allocation and Assignment Policy“

APNIC Policy Proposal 036-v001

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Summary

- Intended as a solution for number of discussions in different regions regarding existing IPv6 policies and changes already taken by some of them
- It is also an alternative solution to existing proposals regarding portable assignments (PI)

Problem Description

- Small ISPs may not have 200 customers
- Some organizations need to make internal assignments, as they have a number of sites, even their own L2 infrastructure. Even with a small number of sites, they need to avoid future renumbering if they change their upstream provider or become multihomed
 - Example a large university with several campuses and faculties, never mind if they have just one or several upstream providers (even they may not have the IPv6 service, but the university could manage to get it via tunnels)

Situation in other RIRs

- This proposal has already been submitted to the rest of the regions
- Some of them don't have already the 200 customers restriction and have some text that allows the "hostmaster" to consider any submission ("reasonable number").

Definition of “end site”

- To be broadened to include a wider range of end users
 - Include end users that have a legal relationship with the service provider
- Example: The different campuses or faculties will be considered “end sites”

Initial Allocation Criteria Changes

- Allow end sites to apply for an allocation
- Expand the criteria of the type of sites an organization can provide IPv6 connectivity to include:
 - Sites within its own organizations
 - Sites at related organizations
- Remove the need to have a plan to make 200 /48 assignments in two years

APNIC-089 Document Status

- It is flagged as “interim”
 - Proposed to remove this statement

Assignment of Multiple /48

- No need to document if an end site requires more than a single /48
- It should be a LIR decision
 - This already impacts on their own prefix utilization and will justify it when coming back for a new allocation
- This will also reduce unnecessary APNIC staff workload

Existing vs. Proposed IPv6 Policy

	APNIC-089	With Modifications
End Site	Restricted to other organizations	Broadened to include end users related to the organization (legally or other means)
Qualifying Criteria	Be an LIR Not an End Site Plan to assign 200+ /48s Plan to aggregate	Be an LIR Plan to aggregate
Policy status	Interim	(to be removed)
Document n x /48	Required	Not required