

1. Policy Proposal Title:

Provider-Independent (PI) IPv6 Assignments to End-User Organizations

1.a Id:

LAC-2008-03

1.b Version:

2.0

1.c Global/LACNIC:

LACNIC

2. Summary:

This policy is intended as a possible solution for those organizations that need provider-independent (hereinafter PI) IPv6 assignments.

3. Submission Date:

24 April, 2008

4. Author Information:

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5. Rationale:

In IPv4, there are organizations that qualify for PI assignments either because they need to be multihomed or because they have different administrative or technical reasons for needing a portable addressing block.

This is currently not the case with IPv6, a fact that some organizations perceive as a clear barrier for its deployment. This policy proposal aims at eliminating said barrier through the direct assignment from LACNIC.

Any organization receiving such an assignment would not be allowed to make further assignments to other external organizations, but instead would only be allowed to assign subnets internally within their own facilities.

It is suggested that LACNIC make assignments from a separate “super-block” specially reserved for the purpose of making end-user assignments in order to make it easier for operators to filter these routes.

Within the context of this policy, end-user organization refers to any organization (i.e. legal person, therefore excluding individuals/moral persons) that are neither an LIR nor an ISP, and that has one or multiple end-sites.

6. Policy text, including current version in case of modification

To qualify for an initial assignment of PI IPv6 address space an end-user organization must:

- a. Not be an LIR or an ISP.
- b. In case of announcing the assignment on the Internet inter-domain routing system, announce a single block aggregating the total IPv6 address assignment received.
- c. Provide detailed information showing how the requested block will be used within the following three, six and twelve months.
- d. Submit subnetting plans for a minimum of one year, and host counts for each subnet.
- e. Submit a detailed description of network topology.
- f. Prepare a detailed description of the network’s routing plans, including routing protocols to be used as well as any existing limitations.

Assignments will be made in blocks smaller than or equal to a /32, but always larger than or equal to a /48.

Whenever possible, subsequent assignments shall be made from an adjacent address block, but only if appropriately documented and justified.

7. Additional information

Timetable:

Implementation immediately after approval

Working Group:

Prior Related Policies:

LAC-2006-08

Changelog:

References: