# 1. Policy Proposal Title:

Provider-Independent (PI) IPv6 Assignments to End-User Organizations with PI IPv4 Assignments

## 1.a Id:
LAC-2008-02

## 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 and already have PI IPv4 space assigned by LACNIC.

# 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 though the direct assignment from LACNIC.

Already having an IPv4 assignment guarantees that the company meets the required assignment criteria, which the authors believe are sufficient to allow the assignment of IPv6 space.

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 modifications

An end-user organization may obtain a PI IPv6 assignment if it already has a PI IPv4 assignment previously allocated by LACNIC.

In case of announcing the assignment on the Internet inter-domain routing system, announce a single block aggregating the total IPv6 address assignment received.

Assignments shall 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: