

LAC-2007-01. Modification of the IPv6 Block Announcement Policy.

Nicolás Antonello.

<http://mail.lacnic.net/pipermail/politicas/2007-March/006897.html>

Proposal:

To eliminate item 5.1.1.d of the IPv6 Policy

5.1 Initial allocation

5.1.1 Initial allocation criteria

d) Announce a single block in the Internet inter-domain routing system, aggregating the total IPv6 address allocation received, within a period not longer than 12 months.

In addition, to promote the elimination of the equivalent items at the other RIRs.

Rationale:

The problem arises when a RIR assign a /28 prefix (for example) to an ISP which has 3 internet links with 3 different carriers (tier 1 carriers, for example) using BGP publications.

According to ARIN (and most other RIRs) policy, the ISP must advertise through all the 3 links the /28 without the possibility of disaggregation. The problem with this policy is that by doing this, the ISP loses control of the traffic, not being able to distribute the traffic over the 3 different links.

A /28 prefix may have a lot of incoming traffic associated to it, so I believe the disaggregation (subnets) of the prefix should be allowed by the policy.

Please read <http://nro.org/documents/nro42.html> for information about possible multi-homing solutions being analyzed.