**AUTHOR DATA:**

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**PROPOSAL DATA:**

**Policy Proposal Title:** Modifications to the IPv6 Prefix Initial Allocation Policy
**Policy Proposal Type:** LACNIC
**Id (if exists):** LAC-2007-01
**Version:** 3

**Proposal Summary:**
The proposal consists of eliminating item 4.5.1.1.c of the IPv6 Policy.

**Rationale:**
The problem arises when, for example, an RIR allocates a /28 prefix to an ISP which has Internet links with multiple providers (multi-provider, multi-homing) using BGP announcements.

According to LACNIC's policy (and that of most of the other RIRs), the ISP must advertise the /28 through all links without the possibility of disaggregation. The problem with this policy is that by doing this the ISP loses control of the traffic, limiting the capacity to distribute the traffic over the different links, even if traffic engineering and/or BGP community management techniques are used.

A /28 prefix may have a large amount of associated incoming traffic, so I believe that policy should allow disaggregating (subnets) the prefix or at least not to prohibit it by policy.

In general terms, it is my opinion that an IP address block allocation policy may recommend or request that those who receive an allocation should optimize the way in which the block is announced in order to reduce the impact on global routing tables to a minimum, but in no case should a specific way of announcing be a requirement for receiving an allocation.

I believe that this type of policies involving technical restrictions should be dealt with criteria and agreements (based on policies or recommendations of the IETF or other relevant organizations) between ISPs and/or Carriers (Tier 1), but not with organizations such as the RIRs.

**Proposal Text:**
*Original text*:
4.5.1 Initial Allocation
4.5.1.1 Initial Allocation Criteria
To qualify for an initial allocation of IPv6 address space, an organization must:
c) 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.

*Proposed text*:

c) Announce the allocated block in the Internet inter-domain routing system, with the minimum possible level of disaggregation, within a period no longer than 12 months.


**ADDITIONAL INFORMATION:**


**Timetable:** Immediate
**Working Group:**
**Related Previous Proposals:**
**References:**
**Change log:**