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PROPOSAL DATA:

Policy Proposal Title: Modification of Section 2.3.4 - Policies for the Distribution of Additional IPv4 Address Space

Policy Proposal Type: LACNIC

Id (if exists): LAC-2011-03

PROPOSAL SUMMARY:

Modify Section 2.3.4, Policies for the Distribution of Additional IPv4 Address Space, of LACNIC's Policy Manual to include an additional requirement for the applicant to have a prior or simultaneous assignment of an IPv6 block and prove its utilization in an appropriate length of time.

RATIONALE:

During the first quarter of 2011 LACNIC received its last /8 from IANA's central pool. Therefore, LACNIC now has a pool that must be administrated in a way such that will guarantee a seamless transition to IPv6. The modification of this policy seeks to ensure that organizations requesting additional IPv4 address blocks have a consistent plan for integrating IPv6 into their networks, either because they have already received a prior assignment or by requesting the simultaneous assignment of an IPv6 block.

PROPOSAL TEXT:

The steps that must be completed for the allocation of new IPv4 address blocks are the following:

1. The first step of the process is to verify the utilization of at least 80% of previous allocations. This utilization percentage shall be based solely on announced networks with IPv4 addresses connected to the Internet. For IRs that have assigned IPv4 addresses to their clients, the method available to prove this utilization is through the records kept in LACNIC's WHOIS database. Consideration of the application shall not continue until utilization of at least 80% of the previously allocated block is verified. Use of 80% of previously allocated IP addresses also covers those addresses dedicated to internal use and dial-up clients of the company. In this latter case, utilization may be justified through the report included in Annex 3 [Additional Report for IPv4 Address Space Allocation]. The application process for additional space shall continue once the utilization of at least 80% of the previously assigned space has been verified.
2. Organizations shall prove they are using LACNIC policies in assigning space to their clients, particularly in relation to:
 - Issuing prefixes longer than /24, wherever possible.
 - Verifying that the assignment of blocks within the allocation window were

previously submitted to LACNIC for approval.

3. Organizations shall demand that their clients adhere to the following criteria:
 - The information on assignments smaller than a /29 must be available through WHOIS and they must comply with the 80% space utilization requirement before assigning additional space to their clients.
 - LACNIC policies for the Internet community in general are communicated to and followed by their clients.
4. When reviewing applications for additional IPv4 addresses, LACNIC shall also review whether the space designated for its return was actually returned in due time as described in this document.
5. Maintain the reverse resolution registry of the administered IPv4 address space up-to-date. The reverse resolution registry shall also comply with 80% utilization.
6. For the allocation of additional blocks, LACNIC shall verify that the organization presenting the application is in compliance with its contractual obligations.
7. The applicant must already have at least one IPv6 block assigned by LACNIC and announced via BGP or, if not, must simultaneously request an initial IPv6 block in accordance with the corresponding applicable policy.
8. Before allocating additional blocks, LACNIC shall verify the current utilization of prior IPv6 assignments in the applicant's network by accessing web servers, reviewing IPv6 prefixes in global BGP routing tables, and/or using other methods it considers convenient. The verification will be based on the analysis of at least three different origin networks and three public Looking Glass services on the Internet.
9. The final step is to determine the appropriate allocation. In order to determine the size of the allocation, detailed information must be provided showing how the IPv4 address space will be used within the following three, six and twelve-month periods. The policy for determining the size of additional allocations is based on the efficient utilization of space within a time frame of 12 months.

ADDITIONAL INFORMATION:

Timetable: After LACNIC XV – May 2011