POLICY FOR IPv6 SPACE ALLOCATION BY IANA TO RIRs

Introduction

This policy establishes the criteria on the basis of which IANA will distribute IPv6 space to Regional Internet Registries. This issue has the potential to become a global policy, which means that it is the same criterion that will be applied at all the existing Regional Internet Registries. With this aim, this policy is being discussed simultaneously in all the regions. Should this policy be approved, it will be forwarded for its analysis within ICANN's structure for its later confirmation as a Global Policy.

As a starting point, the following proposal has been sent to LACNIC's policy mailing list. This proposal was approved by APNIC's public forum during its latest meeting, held in September, 2004.

PROPOSAL APPROVED BY APNIC

This document describes the policy governing the allocation of IPv6 address space from the IANA to the Regional Internet Registries (RIRs). This document does not stipulate performance requirements in the provision of services by IANA to an RIR in accordance with the policy. Such requirements should be specified by appropriate agreements among the RIRs and ICANN.

1.   Allocation principles

1.1 The unit of IPv6 allocation (and therefore the minimum IPv6 allocation) from IANA to an RIR is a /12;

1.2 Every IPv6 allocation from IANA to an RIR will comprise a single CIDR prefix.

1.3 The IANA will allocate sufficient IPv6 address space to each RIR to support its registration needs for at least a 36 month period;

1.4 The IANA will allow each RIR to apply its own respective chosen allocation and reservation strategies in order to ensure the efficiency and efficacy of its work.

2.   IANA allocations to RIRs

2.1 Initial allocations

On inception of this policy, each current RIR shall receive an IPv6 allocation from the IANA.

Any new RIR shall, on recognition by ICANN, receive an IPv6 allocation from the IANA.

2.2 Additional allocations - Eligibility

A RIR is eligible to receive additional IPv6 address space from the IANA when it has utilised (allocated or reserved) more than 50% of its total IPv6 address space holdings.

2.3 Size of additional allocations

Each additional allocation to an RIR will be a number (one or more) of /12 blocks, sufficient to ensure that the RIR holds at least 36 months' supply of IPv6 address space.

3.   Announcement of IANA allocations

When address space is allocated to a RIR, the IANA will send a detailed announcement to the receiving RIR. The IANA will also make announcements to all other RIRs, informing them of the recent allocation. The RIRs will coordinate announcements to their respective membership lists and any other lists they deem necessary.

The IANA will make appropriate modifications to the "Internet Protocol V6 Address Space" page of the IANA website and may make announcements to its own appropriate announcement lists. The IANA announcements will be limited to which address ranges, the time of allocation and to which Registry they have been allocated.

RESULTS OF THE POLICY LIST DISCUSSIONS

Some comments were established, such as

-    In relation to section 2.3, it is not clear what the mechanism for calculating the size of the additional block will be. Under which criteria will the space enough for 36 months be established?