



Policy today ...

Status @ RIRs

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Common policies (to all Regional Internet Registries)

Global policy for the allocation of IPv4 blocks to RIRs

This policy provides a mechanism for the RIRs to retro allocate the recovered IPv4 address space to the IANA and provides the IANA the policy by which it can allocate it back to the RIRs on a needs basis.

Global policy from IANA for Allocation of ASN Blocks to RIRs

According to the current global policy, IANA will cease to make any distinction between 16 bit and 32-bit only ASN blocks by 31 December 2009, when making allocations to RIRs. This proposal is to extend this date by one year, to 31 December 2010.

Awaiting approval @AfriNIC

AfriNIC

[\[AFPUB-2010-v4-001\] IPv4 Soft Landing Proposal \(no consensus\)](#)

This document proposes a strategy for allocation and maintenance of AfriNIC's final /8 block of IPv4 from IANA.

[\[AFPUB-2010-GEN-003\] PDP in the AfriNIC service region](#)

It is proposed to revise the existing policy so that the principles and procedures are documented. This document adds procedures to the policy development process to deal with disputes and the recall of the Chair. It also adds some flexibility to vary the process in the case of an emergency.

AfriNIC (cont.)

[AFPUB-2010-GEN-002] Abuse Contact Information in the AfriNIC

This is a proposal to introduce a mandatory reference to IRT objects in the inetnum, inet6num and aut-num objects in the AfriNIC Whois Database. It provides a more accurate and efficient way for abuse reports to reach the correct network contact.

APNIC

[prop-078] IPv6 deployment criteria for IPv4 final /8 delegations

This proposal seeks to ensure some small blocks of IPv4 space will remain available for a long time to ease the co-existence of IPv4 and IPv6 and to facilitate IPv6 deployment.

Similar policy @ARIN:

2008-5: Dedicated IPv4 block to facilitate IPv6 Deployment.

Similar policy @RIPE:

2009-04: IPv4 Allocation and Assignments to Facilitate IPv6 Deployment.

APNIC (cont.)

[prop-081] Eligibility for assignments from the final /8

This policy proposal seeks to supplement the final /8 policy, by making it possible for account holders to receive assignments from the final /8 space.

Similar policy @AfriNIC:

AFPUB-2009-v4-003: IPv4 Soft Landing Policy.

Similar policy @RIPE:

2009-04: IPv4 Allocation and Assignments to Facilitate IPv6 Deployment.

APNIC (cont.)

[prop-083] Alternative criteria for subsequent IPv6 allocations

This is a proposal to enable current APNIC account holders with existing IPv6 allocations to receive subsequent IPv6 allocations from APNIC for use in networks that are not connected to the initial IPv6 allocation.

May relate to a policy @LACNIC:

LAC-2008-05 - IPv6 Micro-Assignments (Withdrawn by the author).

APNIC (cont.)

[prop-077] Proposal to supplement transfer policy of historical IPv4 addresses

This policy proposal seeks to supplement current policy for the transfer of historical Internet resources, by requiring recipients of transferred historical IPv4 address space to justify its use.

Status @AfrinIC: If an LIR plans to exchange or transfer address space, it needs to contact AfrinIC so that the changes are properly registered. There is no requirement to justify the transfer.

Status @LACNIC: Permits transfers of historical IPv4 resources in cases of mergers and acquisitions only.

Status @RIPE: Member LIRs can transfer complete or partial blocks of historical or current IPv4 addresses.

Status @ARIN: Has 2 policies, one for mergers and acquisitions and another one for transfers to specified recipients.

ARIN

[2010-4/8] Rework of IPv6 allocation/assignment criteria

Two policies for rework of IPv6 initial request allocation/assignment criteria.

[2010-6] Simplified mergers and acquisitions transfer policy

The idea here is to simply say that ARIN will allow M&A transfers, and to require the return of any number resources for which there is no longer a justified need after the acquisition.

ARIN (cont.)

[2010-2] /24 End User Minimum Assignment Unit

This policy attempts to incorporate the recent and historical discussions of policy for multi-home users on PPML. The intent is to provide as fair a process as possible for multi-homed organizations down to the smallest feasible size while still preserving some control over growth in the routing table.

[2010-1] Waiting List for Unmet IPv4 Requests

This policy would allocate reclaimed address blocks (and the last of the ARIN free pool) on a first-come-first-served basis, while preserving aggregation to the degree possible.

ARIN (cont.)

[114] RFC1918 as initial ISP multihomed criteria

This brief amendment would alleviate the double renumbering, and conserve the human resources required by all parties involved.

[113] IPv6 for 6rd

[112] Utilization of 10.4.2 resources only via explicit policy

[111] IPv4 Fragment Management policy proposal

At ARIN XXV, one of the discussions pointed out that under current ARIN policy, after IANA runout, a justified request for a /10 could (and would) be satisfied, if necessary, by issuing 1024 disjoint /20s.

ARIN (cont.)

[110] Preservation of minimal IPv4 Resources for New and Small Organizations and for IPv6 Transition

This policy tries to assure a number of years of access for new organizations and lifeblood for organizations on their way to migration to IPv6.

[109] Standardize IP Reassignment Registration Requirements

RIPE

[2006-05] PI Assignment Size

This proposal suggests to have the minimum assignment size for PI assignments to be a /24 when routing is a major issue for a multihoming End User.

[2008-04] Using the Resource Public Key Infrastructure to Construct Validated IRR Data

This is a proposal to introduce a new registry that augments IRR data with the formally verifiable trust model of the Resource Public Key Infrastructure (RPKI) and provide ISPs with the tools to generate an overlay to the IRR which is much more strongly trustable.

RIPE (cont.)

[2008-07] Ensuring Efficient Use of Historical IPv4 Resources

This is a proposal to require documentation of all address resources held when assessing a RIPE NCC member's eligibility for further IPv4 address space.

[2008-08] Initial Certification Policy for Provider Aggregatable Address Space Holders

The RIPE NCC plans to deploy a certification service that can be used to secure uniqueness of resources. This proposal lays out guidelines for how LIRs can receive certificates over their Provider Aggregatable (PA) address space holdings and how these certificates should be maintained.

RIPE (cont.)

[2010-01] Temporary Internet Number Assignment Policies

This proposal expands the RIPE NCC's ability to assign number resources for temporary purposes and allows the RIPE NCC to reserve pools of IP addresses and Autonomous System (AS) Numbers, which can be used by the RIPE NCC to make temporary direct assignments to End Users.

[2010-02] Allocations from the last /8

This proposal describes how the RIPE NCC should distribute address space from its last /8 worth of IPv4 address space at the time of total depletion of the IANA free pool.

Similar policy @AfriNIC: AFPUB-2010-v4-001: IPv4 Soft Landing Proposal

RIPE (cont.)

[2010-03] Global Policy State in RIPE PDP

This proposal expands the RIPE NCC's ability to assign number resources for temporary purposes and allows the RIPE NCC to reserve pools of IP addresses and Autonomous System (AS) Numbers, which can be used by the RIPE NCC to make temporary direct assignments to End Users.



Comments?



End for today...

Policy Forum will continue tomorrow at 16:00 hs.