



# Policy Implementation Experience Report

**James Chirwa**  
Registration Services Team  
AFRINIC 29 | November 2018

## Purpose

- 1. To** Provide feedback to the members and Community regarding
  - Recently Ratified policies and implementation timeline
  - Ratified policies that have been implemented
  - Experiences faced by hostmasters while handling requests governed by currently implemented policies
  - Sections of the Consolidated Policy Manual that are ambiguous or lacking clarity

## Recently Ratified and Implemented

### **AFPUB-2018-V6-001-DRAFT01 - IPv6 Policy and Reference Update**

- Incorporated in the Consolidated Policy Manual version 1.3:  
<https://www.afrinic.net/policy/manual#IPv6>
- Implemented : 23rd November 2018

## Recently Ratified and Implemented

### **AFPUB-2018-V6-003-DRAFT02 - IPv6 Initial Allocation Update**

- Incorporated in the Consolidated Policy Manual version 1.3:

**<https://www.afrinic.net/policy/manual#Allocations-Assignments-Policies>**

- Implemented : 23rd November 2018

## Recently Ratified and Implemented

**AFPUB-2018-V6-004-DRAFT01 - IPv6 PI Update**

- Incorporated in the Consolidated Policy Manual version 1.3: <https://www.afrinic.net/policy/manual#PI-A>
- Implemented : 23rd November 2018

## Ratified and Implemented

**AFPUB-2017-DNS-001-DRAFT-02 - Lame Delegation in  
AFRINIC DNS V2**

**CPM: <https://www.afrinic.net/policy/manual#lame>**

**Implemented: 28th September 2018**

**Lame Checker Tool: <https://afrinic.net/whois/lame>**

**NOTE: Deletion not started and statistics page not ready**

**- Member support ongoing(hostmaster@afrinic.net)**

# Experiences Faced by Hostmasters

**5.4.6.1** In order to receive IPv4 allocations or assignments during the Exhaustion Phase, the LIR or End User must have used at least **90% of all previous allocations or assignments** (including those made during both the Current Phase and the Exhaustion Phase).

**5.5.1.4.1** An LIR **may receive an additional allocation when about 80%** of all the address space currently allocated to it has been used in valid assignments and/or sub-allocations. **A new allocation can also be made if single assignment or sub-allocation requires more addresses than those currently held by the LIR.**

## **5.6.3 Additional PI Assignment**

Utilization rate of address space is a key factor in justifying a new assignment of IP address space. Requestors must show exactly how previous address assignments have been utilized and must provide appropriate details to verify **their one-year growth** projection. The basic criteria that must be met are:

- a. A 25% immediate utilization rate, and
- b. A 50% utilization rate within one year.

## Experiences Faced by Hostmasters

Ambiguous as members may consider **5.5.1.4.1 & 5.6.3** as **valid**

**AFRINIC Interpretation** - **5.4.6.1** supercede these sections.

**AFRINIC's action** - Inform member as to which policy section in CPM that shall be used to evaluate the resource request

**Request to the community** - Can CPM be updated to remove the sections regarding IPv4 that are obsolete?



## Experiences Faced by Hostmasters

**5.4.6.1** In order to receive IPv4 allocations or assignments during the Exhaustion Phase, the LIR or End User must have used at least **90% of all previous allocations or assignments** (including those made during both the Current Phase and the Exhaustion Phase).

**Challenge:** Request for additional /24 IPv4 from an EU member for a Data centre redundancy. Current usage sums up to less than 90%. As per current soft-landing policy, the member is not eligible for additional resources, thus will not be able to setup the second Data centre

## Experiences Faced by Hostmasters

**CPM 5.7.1** only allows IPv4 transfers for Intra-RIR transfers

**Challenge:** Members wish to transfer ASN and IPv6 as well.

Mergers and Acquisitions accepts the transfer of all based on the existing guidelines(non-policy)

**Afrinic's recommendation** - Update the policy to remove the restriction

## Experiences Faced by Hostmasters

### CPM 7.4.2 - Multi homed

**Challenge:** Policy is strict on Multi homing requirement but we receive requests for public ASN to do BGP with only one provider and have the freedom to scale their network.

**Afrinic's actions** - Reject ASN if not multihoming immediately or have no plans to multi-home

**Afrinic's recommendation** - Update the policy to remove the restriction

## Experiences Faced by Hostmasters

### CPM 5.2.1.2 - Registration

Resource Holder registers prefix usage with names of 'reputable companies', who deny being the customers of these resource holders.

Our policies lack guidance on actions AFRINIC can take to deal with such invalid information

Does the community feel that there should be a policy so that AFRINIC can intervene and remove WHOIS assignments based on the complaints we receive?

## Experiences Faced by Hostmasters

### CPM 10.7 Lame Delegation

Huge volume of Lame records ~ 19613 impacting 530 resource members

Members must ensure that they register nameservers that are well configured and ready to respond for the respective domains

## Experiences Faced by Hostmasters

### Incomplete Resource Requests

- Missing IP addressing Plan, justification for additional resources
- Members not in good standing(pending annual/penalty fees)
- Policy non-compliance(utilisation of resources not registered on the whois database)

**Thank you.**



twitter.com/ **afrinic**

flickr.com/ **afrinic**

facebook.com/ **afrinic**

linkedin.com/company/ **afrinic**

youtube.com/ **afrinic media**

www. **afrinic.net**