

AFRINIC Number Resources Transfer Policy

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Summary of the problem statement



- ❑ AFRINIC IPv4 pool is expected to **run out soon**. Some entities may need IPv4 space to support their IPv6 deployments,
- ❑ The current Intra-RIR transfer policy **allows all types of IPv4 allocations/assignments** to be transferred, including IPv4 from special purpose blocks (reserved blocks for IXPs and DNS root ops, **Last /8**, etc.)
- ❑ The current intra-RIR transfer policy **does not cover ASNs**
- ❑ Considering the limited IPv4 space initially made available to AFRINIC (AFRINIC manages only **7.23 /8s** with a very low ratio of IPv4 addresses per Internet user), **there will therefore be a need to allow for unused IPv4 from other regions to move into the AFRINIC service region – this without necessarily depleting AFRINIC's slim amount of IPv4 addresses by transferring space out of the region.**

Summary of how the proposal addresses the problem



- ❑ This new policy defines a **set of rules** to allow transfer of IPv4 addresses and ASNs .
- ❑ The policy segregates resources in **different categories** and defines which transfer rules apply to each category.
- ❑ **Legacy** resources and resources **transferred IN** from other regions will be transferable out of the AFRINIC service region.

Definition and marking in section 3

3.1.1 “**AFRINIC pool**” means the AFRINIC managed pool of IPv4 and ASNs, obtained from IANA

(allocated and recovered) or through the ERX (Early registration transfers).

3.1.2 “**Special-Purpose pool**” means the pool of resources currently reserved for Critical Internet Infrastructures (section 5.6.4 of CPM) and resources distributed during the Exhaustion phases of the soft landing policy (section 5.4 of CPM).

3.1.3 “**Legacy resources**” refer to resources allocated prior to the RIR system and tagged as Legacy by AFRINIC.

3.1.4 “**Others**” means resources transferred from other regions through Inter-RIR transfers.

3.1.5 “**Inter-RIR transfer**” means the transfer of resources from a resource holder in AFRINIC service region to an organization in another region or vice-versa.

3.2 Marking of the resources

AFRINIC pool == Regional ; Special-Purpose pool == Reserved ;

Legacy == Legacy ; Others == Global ;

Rules and procedures for selecting resources eligible for transfers

3.3.1 If Source and recipient == **AFRINIC members**

then allow

Regional

Global

Legacy

and mark as

Global

3.3.2 If Source == **Legacy holder** and recipient == **AFRINIC members**

then allow

Legacy

and mark as

Global

3.3.3 If Source == **Legacy holder** and recipient == **In another region**

then allow

Legacy

3.3.4 If Source == **AFRINIC members** and recipient == **In another region**

then allow

Global

3.3.5 If Source == **from another region** and recipient == **AFRINIC members**

then allow
"Any"

and mark as

Global

3.3.6 Irrespective of the source and recipient, if resource to be transferred is **"Reserved"** then **deny transfer**. This restriction excludes mergers, acquisitions and takeover transfers.

Conditions

3.4 Conditions on resources to be transferred

- ☐ The size of the IPv4 address prefix should be a minimum of /24.
- ☐ The resource must qualify for type of transfer requested.
- ☐ The resource will be covered by AFRINIC policies after transfer into the region.

3.5 Conditions on the source

- ☐ Must be right holder of the resources to be transferred with no disputes.
- ☐ If the source is from other regions, conditions on the source are defined in the counterpart RIRs transfer policy.

3.6 Conditions on the recipient

- ☐ Will be subject to current AFRINIC policies and must sign RSA.
- ☐ Condition for Recipient that does not have prior resources
- ☐ Condition for Recipient with prior resources
- ☐ If the recipient is in another region, the conditions on the recipient are defined in the counterpart's RIR transfer policy.

Other Provisions

The policy also makes the following provisions:

- ☐ Number resources are non-transferable and are not assignable to any other organization unless **AFRINIC has expressly and in writing approved a request for transfer**. AFRINIC is tasked with making prudent decisions on whether to approve the transfer of number resources.

- ☐ IPv4 addresses and ASNs can be transferred **only in accordance** with this policy.

- ☐ AFRINIC does not recognize **transfers outside of approved** transfer policies and requires organizations holding such resources to return them to the appropriate registries.

Policy review history

29 Aug 2019

22 Sep 2019

version 1

version 2

| AF31 PPM Angola

5 dec 2019

“ This proposal has not reached consensus. Concerns regarding the unclear wording about the assignment and the excessive amount of need for AFRINIC's approval have not been addressed ”

Reactions and issues

- ❑ **Compatible and reciprocal** with others regions (**NOT an issue**, no evidence has been presented)

From staff analysis and comments, we will rephrase the following clauses :

- ❑ In section **2.0 Summary of how this proposal addresses the problem**
 - + Number resources are non-transferable ~~and are not assignable to any other organization~~ unless AFRINIC has expressly and in writing approved a request for transfer. AFRINIC is tasked with making prudent decisions on whether to approve the transfer of number resources.
 - + AFRINIC recognizes the following types of transfers:
 - merger, acquisition, takeover or **consolidation**,
 - + AFRINIC will process and record Inter-RIR resource transfers only when the counterpart RIR has an Inter-RIR transfer policy that permits the transfer of IPv4 address space and ASNs between its own region and AFRINIC. **Currently, the other regions are APNIC, ARIN, LACNIC, RIPE NCC.**
- ❑ In section **3.0 Proposal** : We do not understand “resource” being treated as reserved word and that the local scope of our definition can’t work for the CPM. We might change “resource” to “scarce resource “
 - + 3.1.1 **“Scarce resource”** refers to IPv4 Address space or Autonomous System Numbers.
 - + “AFRINIC pool” means the AFRINIC managed pool of IPv4 and ASNs, obtained from IANA (allocated and recovered) or through the ERX (Early registration transfers).

Thank you
Merci
Questions ?



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14 -18 SEPTEMBER 2020

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