AFRINIC
The Internet Numbers Registry for Africa

AFRINIC Update

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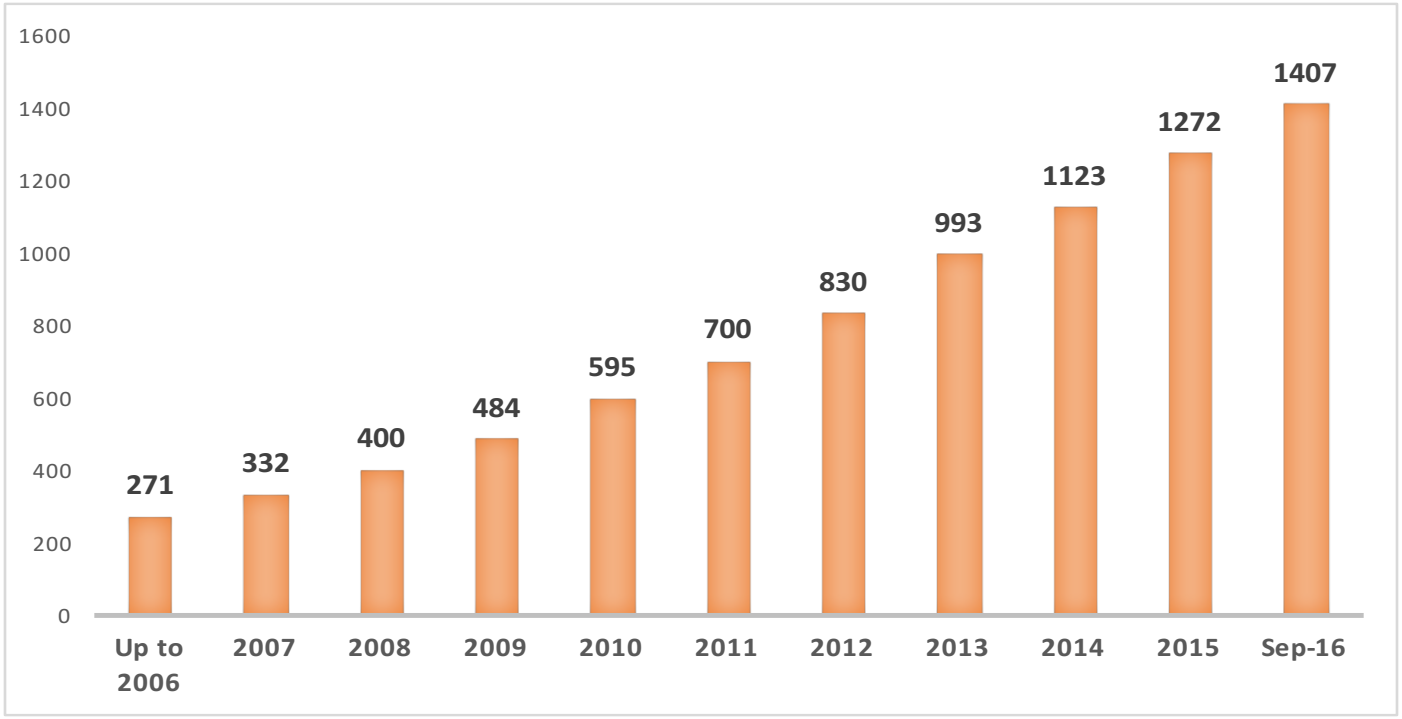
Membership Statistics

- **134** new members so far in 2016.
- **150** new members in 2015.
- **1,407** total members to date.



Internet Number Resource Statistics

2016:

- **10.2 million** IPv4 addresses allocated so far (**0.61 /8**).
- **60** /32s and **25** /48s of IPv6 address space allocated.
- **128** Autonomous System Numbers (ASNs) assigned.
- **37.6%** of the membership has an IPv6 allocation.

2015:

- **16 million** IPv4 addresses (approx. 1 **/8**) allocated.
- **4,416** /32s and **27** /48s of IPv6 address space allocated.

The highest annual allocations since 2006!

- **159** ASNs assigned.

Membership and Resource Statistics

1,407 Resource Members:

- Total IPv4 space held by members: **97,663,232** /32s (**5.82** /8s).
- Total IPv6 space held by members: **9,057** /32s.

351 Legacy Space Holders:

- Total IPv4 (legacy) space held by legacy space holders: **8,458,752** /32s (**0.5** /8).

Legacy space holders are organisations that are not AFRINIC members.

IPv4 Exhaustion

AFRINIC is now the only one of the five RIRs that can still allocate IPv4 address space according to traditional policies.

- **1.4** /8s remaining in AFRINIC's IPv4 inventory.
- "Soft landing" policy will take effect when only 1 **/8** remains.

- Focus on getting IPv6 deployed throughout the region:
  - Free training on IPv6 Deployment: www.learn.afrinic.net.
  - Use of IPv6 test bed.
  - Knowledge share and information exchange.

Policy Update 1

AFPUB-2015-GEN-001-DRAFT-01: Number Resources Transfer Policy.

This proposal calls for IPv4 address transfers to be facilitated in the AFRINIC region so that African network operators can benefit from an open IPv4 address market when AFRINIC's IPv4 inventory is finally exhausted.

- Status: *Under Discussion*.

Policy Update 2

Two competing proposals to change IPv4 “Soft Landing” policy.
Current policy : 5.4 of CPM.

- Phase 1: When only 1 **/8** remains:
  - Maximum allocation/assignment becomes **/10.**
- Phase 2: When only 1 **/10** remains:
  - Maximum allocation/assignment becomes **/22**.
- Reserves a **/16** for critical Internet infrastructure and a **/13** for unforeseen circumstances.
- Status: *Approved*.

Competing new proposals on next pages are:
AFPUB-2016-V4-001-DRAFT-02: IPv4 Soft Landing BIS.
AFPUB-2016-V4-002-DRAFT01: Soft Landing Overhaul.

Policy Update 3

AFPUB-2016-V4-001-DRAFT-02: IPv4 Soft Landing BIS.

- This proposal is an update to the current IPv4 Soft Landing Policy and describes how AFRINIC will manage allocations/assignments from the last IANA allocated /8 by defining two distinct exhaustion phases:
  - Phase 1: When only 1 **/8** remains: Sets the maximum allocation/ assignment at a **/15** instead of a **/10**.
  - Phase 2: When only 1 **/10** remains: Sets the maximum to a **/22** and the minimum to a **/24**.
  - Allocation period changes to **8 months**.
  - Reserves a **/16** for critical Internet infrastructure and a **/13** for unforeseen circumstances.
  - It makes no difference between existing LIRs or End-Users and new ones.
- Status: *Under Discussion*.

Policy Update 4

AFPUB-2016-V4-002-DRAFT01: Soft Landing Overhaul.

- This proposal completely replaces the original and current IPv4 Soft Landing Policy, AFPUB-2010-v4-005.
- New proposal:
  - Abolishes existing Soft Landing policy.
  - Intends to create a new category of resource requestors called "new entrants".
  - Proposes setting aside a ***/13*** IPv4 block reserved for these "new entrants".
  - "New entrants" will get no more than a ***/22*** of IPv4 space each.
- Status: *Under Discussion*.

Policy Update 5

AFPUB-2016-V4-003-DRAFT02: IPv4 Resources transfer within the AFRINIC Region.

- This proposal defines conditions under which transfers within the AFRINIC service region can occur after exhaustion of the AFRINIC IPv4 pool or when AFRINIC can no longer satisfy the needs of such an organizations:
  - Both the source entity and recipient must be AFRINIC members.
  - The source must be the current rightful holder of the IPv4 address resources recognized by AFRINIC.
  - AFRINIC has to approve the recipients need for the IPv4 number resources
- Status: *Under Discussion*.

AFPUB-2016-GEN-001-DRAFT02: Internet Number Resources review by AFRINIC

This proposal outlines how AFRINIC should conduct regular audits oe reviews of resource utilization held by its members.

This would allow recovery of any type of resource, where usage is not in compliance with the RSA. Recovered resources can be reallocated for better usage.

- Status: *Under Discussion*.

AFPUB-2016-GEN-002-DRAFT02: Inbound Transfers

Proposal creates an opportunity for inbound transfer of IPv4, IPv6 or ASN resources from other RIRs to AFRINIC, without allowing transfers flowing out of the continent to other RIR service regions.

The proposal addresses the voiced concerns of enabling outbound transfers out of the continent, which the community has indicated will greatly disadvantage the region.

- Status: *Under Discussion*.

Training

+20 Workshops in 2016

Egypt - Giza I INRM & IPv6 Course I 24th - 27th October 2016 I Registration

Trainers: Tamon, Brice
Modules: Whois Database I IPv6 Foundations I IPv6 Address Planning I IPv6 Routing I IPv6 Transition Techniques

Nigeria - Abuja I INRM & IPv6 Course I 1st - 4th Nov. 2016 I Registration

Trainers: Tamon, Brice
Modules: Whois Database I IPv6 Foundations I IPv6 Address Planning I IPv6 Routing I IPv6 Transition Techniques

Morocco - Rabat I INRM & IPv6 Course I 07th - 10th Nov. 2016I Registration

Trainers: Tamon, Brice
Modules: Whois Database I IPv6 Foundations I IPv6 Address Planning I IPv6 Routing I IPv6 Transition Techniques

Mauritius - (AFRINIC-25) I INRM & IPv6 Course I 25th - 30th November 2016 I Registration

Trainers: Tamon, Brice, Stephen
Modules: Whois Database I IPv6 Foundations I IPv6 Address Planning I IPv6 Routing I IPv6 Transition Techniques

DR-Congo - Kinshassa | INRM & IPv6 Course | 13th - 16th Dec. 2016| Registration

Trainers: Brice, Stephen
Modules: Whois Database | IPv6 Foundations | IPv6 Address Planning | IPv6 Routing | IPv6 Transition Techniques

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