



# AFRINIC Update

**Alan Barrett**  
**CEO AFRINIC**

**LACNIC 25 | May 2016**



[www.afrinic.net](http://www.afrinic.net)

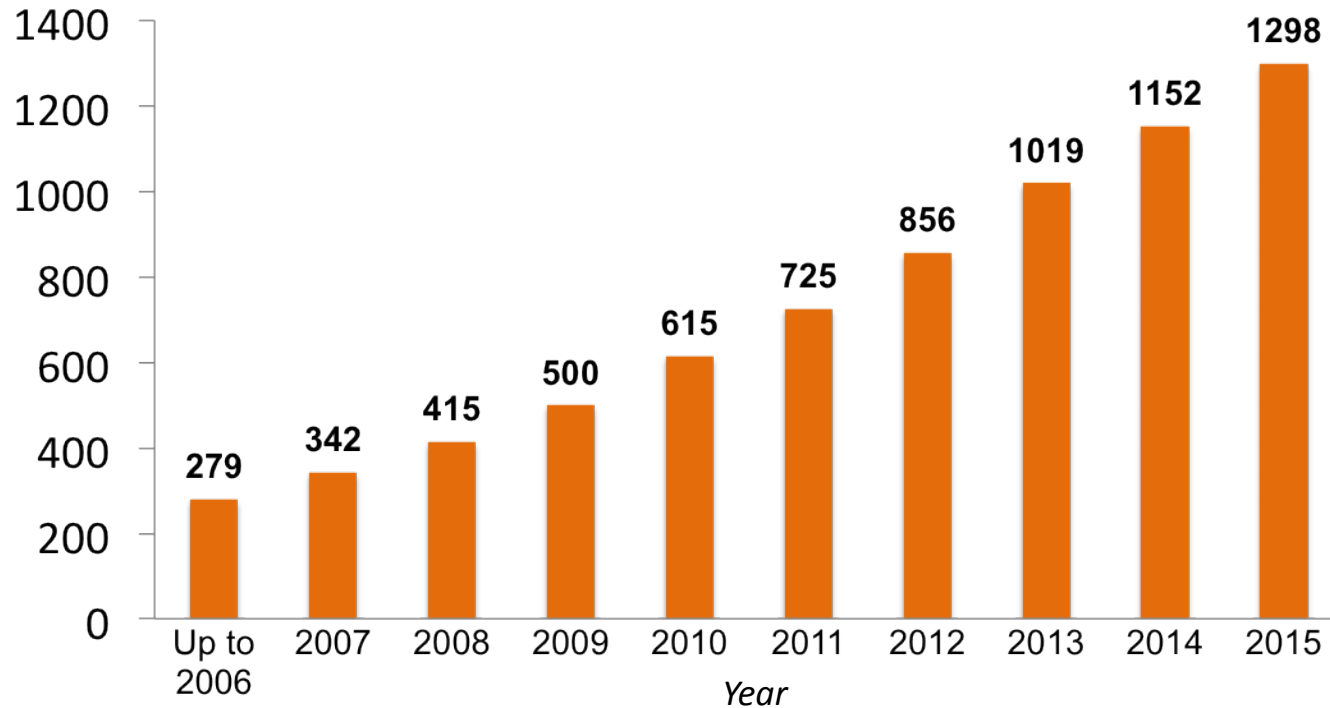


[blog.afrinic.net](http://blog.afrinic.net)



[/afrinic](https://www.linkedin.com/company/afrinic)

- **46** new members so far in 2016.
- **150** new members in 2015.
- **1,333** total members to date.



## 2016:

- **6.4 million** IPv4 addresses allocated so far (**0.38 /8**).
- **17 /32s** and **6 /48s** of IPv6 address space allocated.
- **46** Autonomous System Numbers (ASNs) assigned.
- **37%** 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.

## 1,333 Resource Members:

- Total IPv4 space held by members: **88,477,952 /32s** (**5.27 /8s**).
- Total IPv6 space held by members: **9,016 /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.*

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

- 1.7 /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](http://www.learn.afrinic.net).
  - Use of IPv6 test bed.
  - Knowledge share and information exchange.

## AFPUB-2014-GEN-001-DRAFT-04: Out-of-Region Use of AFRINIC Region Internet Number Resources.

- This proposal attempted to restrict the amount of IPv4 address space that an African organisation could use outside of Africa.
- Discussions during AFRINIC-23 included:
  - The difficulty in defining what 'out-of-region use' actually is.
  - Enforcement of breach.
- Status: *Withdrawn*.

## 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.

- Discussions during AFRINIC-23 included:
  - The feeling that the proposal stands to benefit regions other than Africa.
- Status: *Under Discussion*.

Two competing proposals to change IPv4 “Soft Landing” policy.  
Current policy is AFPUB-2010-v4-005.

- 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.

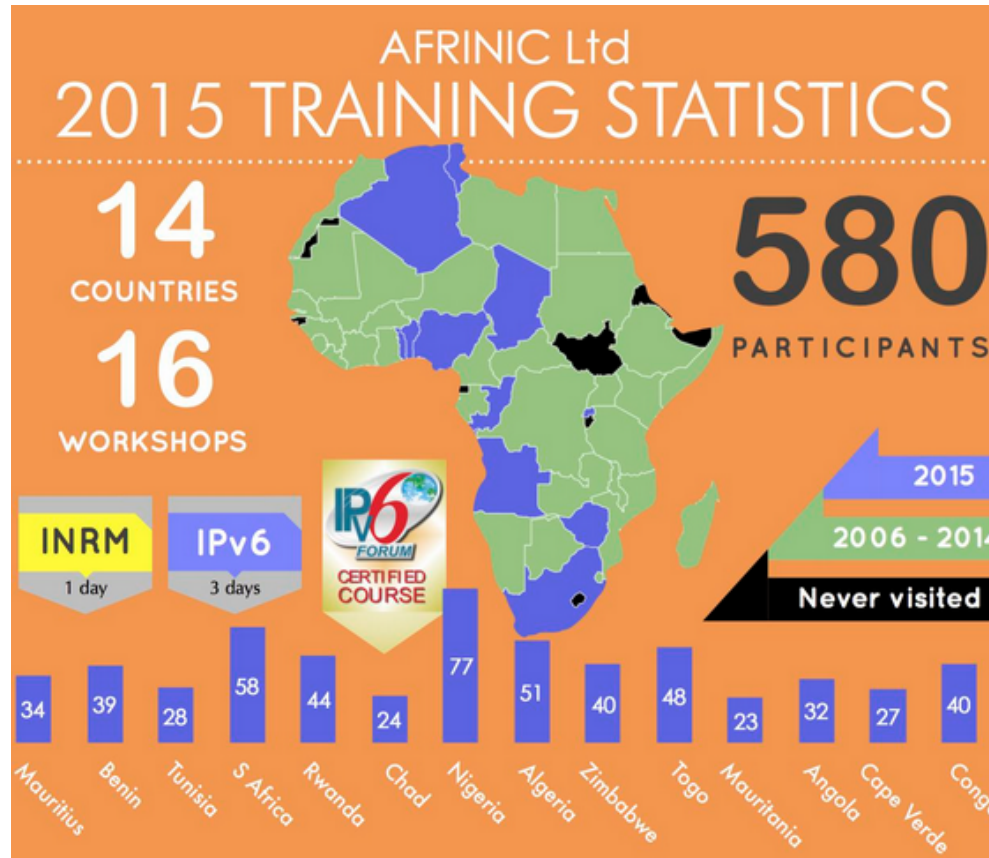


## AFPUB-2016-V4-001-DRAFT-02: IPv4 Soft Landing BIS.

- 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.
- Status: *Under Discussion*.

## 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*.



- Courses so far in 2016:
  - April: Nairobi, Kenya.

- IPv6 Forum Certified (Gold & Silver).
- **520** questions in the test bank (and growing).
  - Covers all key IPv6 topics.
  - Covers all 6 levels of Bloom's Taxonomy: Knowledge, Comprehension, Application, Analysis, Synthesis and Evaluation.
- Delivered online in an invigilated environment.
- Seeking partners to administer the exam globally:
  - NOGs.
  - Local Internet Society Chapters.
  - Local IT training organisations.

**More information: [www.certi6.io](http://www.certi6.io) | [registrar@certi6.io](mailto:registrar@certi6.io) | [@IPv6Cert](https://twitter.com/IPv6Cert)**



- **AIS'16 / AFRINIC-24**

- Gaborone, Botswana: 29 May – 10 June 2016.
- Main meeting 7-12 June, training and workshops take place earlier.

- **AFRINIC-25**

- Mauritius: 25 – 30 November 2016.
- Main meeting 28 – 30 November

Thank you  
for your  
Attention

Questions?



[twitter.com/ afrinic](https://twitter.com/afrinic)



[flickr.com/ afrinic](https://www.flickr.com/photos/afrinic/)



[facebook.com/ afrinic](https://www.facebook.com/afrinic)



[linkedin.com/company/ afrinic](https://www.linkedin.com/company/afrinic)



[youtube.com/ afrinic](https://www.youtube.com/channel/UCafrinic) media



[www. afrinic .net](http://www.afrinic.net)