Internet Number Resource Statistics

2017:

- **7,492,608 /32** IPv4 addresses allocated (36% less than in 2016).
- **113**/32s of IPv6 space allocated.
- **150** Autonomous System Numbers (ASNs) assigned.

2018:

- **1,636,096 /32s** IPv4 addresses allocated
- **12 /32s** IPv6 address space allocated.
- **43** ASNs assigned.
- **0.67 /8** of IPv4 address space remaining at March 2018

Membership and Resources Statistics

- 144 new members in 2017
- 40 new members in 2018
- Total Members to date: 1570
- Total IPv4 address space held by Members: 102,894,848
- Total IPv6 address space held by Members: 9198 /32s
- Total IPv4 (legacy) space held by legacy space holders: 8,393,216 /32s

IPv4 Exhaustion

- IPv4 Exhaustion: Phase 1
- "Soft Landing" policy took effect in April 2017.
- AFRINIC can allocate a maximum /13 of IPv4 address space

Focus on getting IPv6 deployed throughout the region:

- Free training on IPv6 Deployment: www.learn.afrinic.net
- Launched Certi::6 – IPv6 Certification Programme: www.certi6.io
- Use of IPv6 test bed.
- Knowledge share and information exchange

Policy Update 1

AFRINIC PDP-bis

(DRAFT-02) : 09 November 2017, under discussion

Suggests improvements to the current PDP, majorly:

✓ Clearer mechanisms for appeals and disputes
✓ Introduction of distinct phases in the policy proposal life cycle
✓ More transparency around consensus-gauging

Policy Update 2

Lame Delegations in the AFRINIC reverse DNS
(DRAFT-02) : 10 Nov 2017, Ratified - Pending Implementation

- Proposal lays out a process to monitor NS records responsible for lame delegations (in DNS zones under in-addr.arpa and ip6.arpa managed by AFRINIC).

- Puts in place a phased approach to removing these records from the DNS.

- Ratified by Board – under implementation.

Policy Update 3

Internet Number Resources' Review
(DRAFT-06) : 10 Apr 2018, under discussion

- Allows AFRINIC to conduct routine (or whistle-blower triggered) resource audits on members.
- Provides for revocation of resources (and closure of members) that fail such audits (reviews).

Policy Update 4

IPv4 Soft Landing bis
(DRAFT-07) : 01 Dec 2017, under discussion

- Complete replacement of the current Soft Landing policy (CPM 5.4)
- New maximum allocation sizes (/18 for phase 1 of exhaustion, /22 for phase 2 of exhaustion). *(Phase 2 starts when remaining free pool hits /11).*
- Sets a 2-year wait period for subsequent allocation if a member has already been allocated maximum space in either phase.
- Reserves a /12 to 'facilitate IPv6 deployment'.
- Community Consensus at AFRINIC27 & after last call.
- Consensus decision (after last call) overturned by appeals committee.

Policy Update 6

IPv6 Policy & References Update
(DRAFT-01) : 11 Mar 2018, under discussion

Removes/corrects several inconsistencies in current IPv6 policy text and improves on the definition for "utilization".

Policy Update 7

Clarification on IPv6 sub-assignments
(DRAFT-01) : 14 Mar 2018, under discussion

The proposal clarifies the concept of sub-assignments in CPM 6.8, particularly considering new uses of IPv6 as referred to in RFC 8273.

Policy Update 8

IPv6 initial allocation update
(DRAFT-01) : 28 Mar 2018, under discussion

- Ensures policy text is aligned with a wider set of possible IPv6 deployment cases and facilitates the justification of the allocation size if a bigger address block (versus the default one) is requested.

- Ensures that the subsequent IPv6 allocation policy is synchronized with the initial allocation one.

Policy Update 9

IPv6 PI update
(DRAFT-01) : 28 Mar 2018, under discussion

This proposal updates the relevant text in the CPM to accommodate the possibility to obtain IPv6 PI even if the requesting party has no IPv4 PI space.

Capacity Building and Development

- **Training**

639 people trained on IPv6 and INRM in 19 countries throughout Africa in 2017.

- **FIRE Africa**

US$ 350,000 of funding allocated to 13 projects in 2017. We selected 3 projects from the 350 applications for the FIRE Awards 2017.

- **Fellowships**

 12 Fellows selected for the AFRINIC-28 Meeting in Dakar Senegal

Thank you for your Attention

Questions?

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