



AFRINIC

The Internet Numbers Registry for Africa



Policy Development in the AFRINIC Region

Sami Salih and Dewole Ajao

PDWG Co-Chairs

Tuesday - 29 November 2016

rpd@afnic.net

<https://lists.afnic.net/mailman/listinfo/rpd>



Policy Development Agenda

11:00 – 11:10

Welcome, Introduction & Agenda Overview

11:10 – 11:20

Quick Look at the AFRINIC Region PDP

11:20 – 11:30

Summary of Interesting Proposals at other RIRs

11:30 – 12:30

Proposal: Inbound Transfer Policy

12:30 - 13:30

LUNCH

13:30 – 14:30

Proposal: Soft Landing Overhaul

14:30 – 15:30

Proposal: IPv4 Soft Landing - BIS

15:30 – 16:00

BREAK

16:00 – 17:00

Proposal: Internet Number Resources Review by AFRINIC

17:00 – 18:00

Proposal: IPv4 Resource Transfer within the AFRINIC region

18:00 – 19:00

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- Overview of Policy Development Process
- Proposals under discussion in AFRINIC
- Overview of the Consolidated Policy Manual (CPM)
- Policy Implementation Report



Overview of Policy Development Process

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Proposals under discussion

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#	Proposal	Date
1	Soft Landing Overhaul	Friday, 12 February 2016
2	Inbound Transfer Policy	Friday, 17 June 2016
3	IPv4 Resource transfer within the AFRINIC Region	Saturday, 23 July 2016
4	IPv4 Soft Landing-BIS	Monday, 25 July 2016
5	Internet Number Resources review by AFRINIC	Tuesday, 9 August 2016



Consolidated Policy Manual (CPM)

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- The CPM (Consolidated Policy Manual), adopted since Oct 2016, is a single reference document containing policies for managing and distribution of IP number resources in the AFRINIC service region.
- All ratified and implemented policies that have gone through the PDP will be integrated into the CPM.
- All previous individual policy documents are now archived.



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UPDATES FROM:

ARIN (Sean Hopkins)

APNIC (Guangliang Pan)

RIPE (Andrea Cima)

LACNIC (Sergio Rojas)



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Ref. Name: **AFPUB-2016-GEN-002-DRAFT-01**

Submitted: **17 June 2016**

Status: **Under Discussion**

Author(s): **Andrew Alston, Christopher Mwangi**



Proposal:

Inbound Transfer Policy

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RPD Summary

Arguments against:

- Inbound policy is unfair to the originating region.
- Encouraging more incoming IPv4 will delay IPv6 implementation in AFRINIC region.

Arguments in favour:

- Useful for organizations that are acquiring or consolidating into an African holding company.
- Advantage to the region since we are the recipient.
- Is a first step towards having a bi-directional policy at a later date.
- Useful since there is at least one RIR compatible with such a policy.
- Inbound policy is fair since AFRINIC has smaller quantity of IP resources than other regions
- Outbound transfer policy can be proposed at a later date



Proposal:

Inbound Transfer Policy

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- Any issues not already addressed
- Feedback from the Authors
- Consensus Check
- PDWG Co-chairs Decision



Lunch Break

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Ref. Name: **AFPUB-2016-V4-002-DRAFT01**

Submitted: **12 February 2016**

Status: **Under Discussion**

Amends: **AFPUB-2010-v4-005 (IPv4 soft landing policy)**

Author(s): **Andrew Alston, Kris Seeburn, Mark Elkins,**

Michele McCann, John Walubengo



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Soft Landing Overhaul

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RPD Summary

Arguments Against

- Is not fair to organization/regions that are not able to justify IPv4 need at this time
- Makes no provision for critical infrastructure

Arguments In Favor:

- Protects large organizations with present need from undue restrictions
- Lets IPv4 pool run out on needs basis
- Still provides for new entrant block that takes care of up to 512 future members



Proposal: Soft Landing Overhaul

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Ref. Name: **AFPUB-2016-V4-001-DRAFT03**

Submitted: **22 July 2016**

Author: **Omo Oaiya, Joe Kimaili, Alain P. Aina**



Proposal:

IPv4 Soft Landing - BIS

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RPD Summary

Arguments Against:

- Reservation block for critical infrastructure overlaps with the already ratified policy for Internet Exchange Points.
- Any reserved block for new entrants should be smaller than the proposed size.
- Strategic reserve for unforeseen circumstance encourages continued dependence on IPv4.
- Mandatory IPv6 allocation is uncalled for as it does not guarantee deployment of IPv6.
- Leads to increased cost of IP addresses for ISPs with large customers whose IPv4 needs exceed the soft-landing provisions



Proposal:

IPv4 Soft Landing - BIS

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RPD Summary (continued)

Arguments In Favor:

- Critical Infrastructure should be protected with reserved space
- Reservation block for new entrants is a provision for fairness
- Fair distribution is what allowed AFRINIC to get the final /8 IP space being discussed as it could have gone to other RIRs with greater need at the time
- Reduces the strategic reserve of the current soft-landing policy; Strategic reserve is not locked down but Board is allowed to allocate (in the community's best interests) if addresses run out.
- Large customers of ISPs with large IPv4 need can apply to AFRINIC directly for end-user assignment



Proposal:

IPv4 Soft Landing - BIS

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Ref. Name: **AFPUB-2016-GEN-001-DRAFT03**

Submitted: **09 August 2016**

Author: **Amelina Arnaud, Ilunga Kabwika Serge,
Jean-Baptiste Millogo, Wafa Dahmani**



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RPD Summary

Arguments Against

- RSA has provisions for audits and breach thereof.
- AFRINIC already conducts audits when organizations request additional address space.
- Executing large number of audits would put significant workload on AFRINIC financial/human resources.
- Proposal is prone to abuse by competing companies.
- Reclaiming resources will put legal and financial strain on AFRINIC (debunked though)
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Arguments in Favour

- Prevents abuse and misuse of resources



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Ref. Name: **AFPUB-2016-V4-003-DRAFT02**

Submitted: **23 July 2016**

Author: **Ali HADJI, Komi ELITCHA, Damnam Kanlanfei,
Serge Patrick GHANSAH, Nicholas Mbonimpa,
Alain P. AINA**



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IPv4 Resource Transfer within the AFRINIC region

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RPD Summary

Mostly support for the proposal - Improvements suggested by the community and integrated into by authors.



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- PDP Review and Brainstorming
- WHOIS Accuracy and Public Safety
- AoB





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