

AFRINIC
The Internet Numbers Registry for Africa



AFRINIC-17
KHARTOUM
SUDAN
24-29 NOVEMBER 2012

Policy Development in the AFRINIC Region

Alan Barrett

AFRINIC-17 – Khartoum, Sudan

DRAFT: 2012/11/27 12:17:28

Policy Development Agenda

Policy Development

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- ▶ **Policy Session 1: Wed, 28 Nov 2012, 14:45 – 16:00**
 - ▶ The Policy Development Process
 - ▶ Summary of proposals under discussion in AFRINIC
 - ▶ Summary of proposals passed or under discussion in other regions
- ▶ **Policy Session 2: Wed, 28 Nov 2012, 16:30 – 18:00**
 - ▶ Proposal AFPUB-2012-V4-002: Redefine “core DNS service provider”
 - ▶ Proposal AFPUB-2012-V4-001: Anycast Assignments in the AfriNIC region
- ▶ **Policy Session 3: Thu, 29 Nov 2012, 09:00 – 10:30**
 - ▶ Proposal AFPUB-2012-DNS-001: No Reverse Unless Assigned
 - ▶ Proposal AFPUB-2012-GEN-001: AfriNIC WHOIS Database Clean-up
- ▶ **Policy Session 4: Thu, 29 Nov 2012, 11:00 – 13:00**
 - ▶ Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy
 - ▶ Policy Development Open Microphone

Introduction to the Policy Development Process

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- ▶ Defined by policy AFPUB-2010-GEN-005
 - ▶ <http://www.afrinic.net/en/community/policy-development/251-policy-development-process-in-the-afrinic-service-region-afpub-2010-gen-005>
- ▶ Summarised on web page: <http://www.afrinic.net/en/community/policy-development>
- ▶ Principles of openness, transparency, fairness

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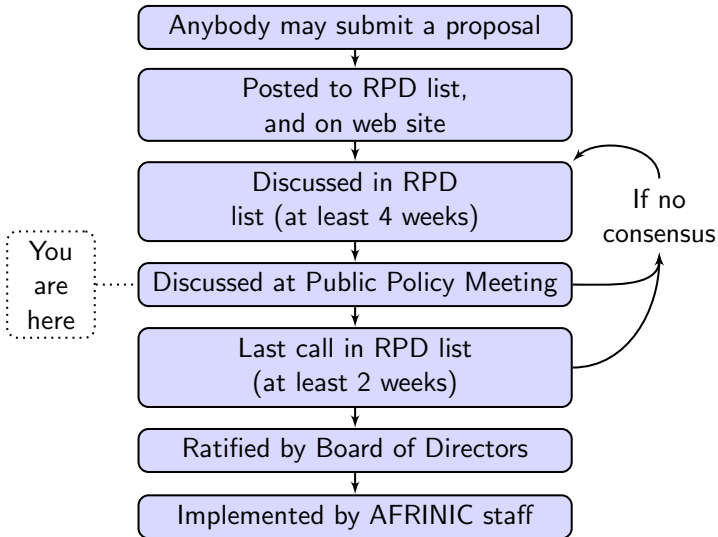
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Policy Development Working Group (PDWG)

- ▶ Resource Policy Discussion mailing list (RPD) is open to anybody

Subscribe <https://lists.afrinic.net/mailman/listinfo.cgi/rpd>

Archives <http://lists.afrinic.net/pipermail/rpd>

- ▶ Public Policy Meetings are open to anybody
- ▶ Anybody who participates is considered a member
- ▶ Two co-chairs selected for staggered two-year terms
 - ▶ Alan Barrett, May 2012 – May 2013
 - ▶ Emile Milandou, May 2012 – May 2014

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Submitting a proposal

- ▶ Anyone can submit a proposal.
- ▶ submitted to the Resource Policy Discussion mailing list
- ▶ AfriNIC will provide administrative support and assist in drafting, if requested
- ▶ AfriNIC shall also provide relevant facts and statistics if requested

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Draft Policy

- ▶ Posted to RPD mailing list
- ▶ Published on AFRINIC web site
- ▶ Must be available for review at least four weeks before then next public policy meeting
- ▶ Changes may be made based on discussion
- ▶ Expires after one year, unless approved by the Board of Directors, or replaced by a new version.
- ▶ May be withdrawn by the author.

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Public Policy Meeting

- ▶ Proposal is placed on agenda
- ▶ Agenda announced on RPD mailing list two weeks before meeting
- ▶ No changes allowed in the last week before the meeting
- ▶ PDWG chairs determine whether consensus is reached at the meeting
 - ▶ If no consensus, then back to the mailing list for further discussion, or author can submit a new version
 - ▶ This is implied, but not explicitly stated, in the PDP
- ▶ Minutes published within three weeks after the meeting

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Last Call

- ▶ (If there was consensus at the Public Policy Meeting)
- ▶ Two-week last call on the mailing list
- ▶ PDWG chairs determine whether there is consensus based on the discussion at the meeting and the discussion during the last call.

Approval

- ▶ If there is consensus, PDWG chairs recommend the proposal to the Board for approval
- ▶ Report of discussions and feedback
- ▶ The draft policy shall be ratified by the AfriNIC Board of Directors

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Implementation

- ▶ Adoption and implementation date is announced on the RPD mailing list
- ▶ Should be less than six months after the end of the last call

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Conflict Resolution

- ▶ There is a discussion and appeal process for people who disagree with decisions made by the chairs.

Varying the Process

- ▶ It is possible to vary the process in case of emergency.

Summary of proposals under discussion in AFRINIC

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AFPUB-2012-V4-002

Redefine “core DNS service provider”

AFPUB-2012-V4-001

Anycast Assignments in the AfriNIC region

AFPUB-2012-DNS-001

No Reverse Unless Assigned

AFPUB-2012-GEN-001

AfriNIC WHOIS Database Clean-up

AFPUB-2012-GEN-002

Regional Internet Registry Privacy

Summary of AFPUB-2012-V4-002: Redefine “core DNS service provider”

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- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/753-redefine-core-dns-service-provider>
- ▶ The existing policy AFPUB-2006-GEN-001 “*Policy for End User Assignments in AfriNIC service region*” allows assignment of a PI IPv4 /24 prefix for critical infrastructure.
 - ▶ <http://www.afrinic.net/en/library/policies/127-afpub-2006-gen-001>
- ▶ Core DNS service providers are included under “critical infrastructure”.
- ▶ This proposal seeks to change the definition of a core DNS service provider, to make it easier to qualify.

Summary of AFPUB-2012-V4-002: Redefine “core DNS service provider”

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Existing definition *A core DNS service provider is a company who provides DNS service for the root level of the DNS tree (ICANN-sanctioned root operators).*

Proposal DRAFT-01 *A core DNS service provider is a company who provides DNS services for services for the root level of the DNS tree (ICANN-sanctioned root operators), any ccTLD in the AfriNIC service region and any significant SLD.*

Proposal DRAFT-02 *A core DNS service provider is an organisation based in the AfriNIC Service Region that provides DNS service for any TLD. Up to two (2) assignments can be made for any TLD service. Assignments are also made to support deployment of infrastructure supporting ICANN-sanctioned root operators.*

Summary of AFPUB-2012-V4-001: Anycast Assignments in the AfriNIC region

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- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/701-anycast-assignments-in-the-afrinic-region>
- ▶ Seeks to allow assignment of a PI IPv4 /24 prefix for use with anycast services and GPRS Roaming Exchange (GRX) services.
- ▶ Existing policies allow PI IPv4 /24 for critical infrastructure, but this proposal targets users that would not be classified as “critical infrastructure”.
- ▶ Existing policies allow PI IPv4 /22 for end users, but this proposal targets users who do not need so much space.

Summary of AFPUB-2012-V4-001: Anycast Assignments in the AfriNIC region

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- ▶ May obtain one /24 IPv4 prefix for anycast or GRX purposes.
- ▶ These prefixes must be used for the sole purpose of anycasting web or authoritative DNS servers . . . or for GPRS Roaming Exchange.
- ▶ These prefixes will count as being fully utilised when an organization applies for additional resources.
- ▶ Blocks used for anycast services cannot be further assigned or sub-allocated.
- ▶ Tagged with the status attribute in the AfriNIC DB as “ASSIGNED ANYCAST”.

Summary of AFPUB-2012-DNS-001: No Reverse Unless Assigned

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- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/700-no-reverse-unless-assigned>
- ▶ Seeks to encourage LIRs and end users to register assignments and sub-allocations in the AFRINIC database.
- ▶ Existing policy AFPUB-2005-V4-001 *IPv4 Allocation Policy* already requires registration.
- ▶ This proposal adds an incentive to register, by refusing DNS reverse delegation for address space that has not been registered.

Summary of AFPUB-2012-DNS-001: No Reverse Unless Assigned

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- ▶ AfriNIC will no longer grant reverse delegation . . . unless an assignment or sub-allocation of that address space is registered appropriately in the AfriNIC Database.
- ▶ AfriNIC will contact those LIRs who currently have reverse DNS . . . but have not registered any assignments or sub-allocations . . .
- ▶ AfriNIC will NOT remove reverse delegation of any LIRs allocation that was approved before the date of ratification of this policy proposal . . .

Summary of AFPUB-2012-GEN-001: AfriNIC WHOIS Database Clean-up

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- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/776-afrinic-whois-database-clean-up-draft2>
- ▶ This proposal asks AfriNIC to maintain accuracy through a periodical database clean up.
- ▶ Furthermore, at least once a year or at the renewal of resources, AFRINIC staff should conduct a whois database information validation.

Summary of AFPUB-2012-GEN-001: AfrINIC WHOIS Database Clean-up

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- ▶ AfrINIC staff will conduct a first cleanup by asking all ... to confirm their POC information.
 - ▶ except those who received their objects in less than a year
- ▶ ... AfrINIC will conduct a cleanup one time a year.
- ▶ At the request of additional resources or services ... update its records.
- ▶ After one month, AfrINIC Staff will use any communication tools ... to contact those who have not answered ...
- ▶ After a month ... the record will be marked invalid.
- ▶ AfrINIC may publish a report twice a year ...
- ▶ One year after ... still not accurate and the organization has failed to respond ... AfrINIC will claim the number resources back.

Summary of AFPUB-2012-GEN-002: Regional Internet Registry Privacy

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- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/787-regionalinternetnregistrynprivacy>
- ▶ This document specifies the privacy policy for the Regional Internet Registry handling Internet number resources in the AfriNIC service region.
- ▶ Definition of Personal Data
- ▶ Data retention periods (personal data, billing data, historical data)
- ▶ Personal Data cannot be transferred to another country unless ...
- ▶ A Personal Data Transfer Register will be maintained ...
- ▶ In the event of Personal Data leakage, a notification shall be sent ...

ARIN region: Policy proposals

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ARIN Proposal	Purpose
IPv6 Subsequent Allocations Utilization Requirement	Revision of utilization criteria and thresholds for acquiring an additional allocation
Removal of Renumbering Requirement for Small Multi-Homers	Eliminate the need for End Users assigned a /22 or less to return it before they are issued the minimum /20 additional assignment.



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ARIN Proposal	Purpose
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Revision of the “Reserved Pool” Size	Increased reserved /16 pool for Critical Infrastructure to /15 (to cater for new prospective gTLD operators).
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Reassignments for Third Party Internet Access over Cable	Cater for the new Canadian TPIA framework.
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ARIN Proposal

Purpose

Aligning Transfer Policy
Clauses 8.2 & 8.3

Clarifying transfer policy:
Source must be the undisputed
current registered holder,
recipient must sign an RSA
(and is subject to policy), and
/24 minimum for IPv4, /48 for
IPv6.

LACNIC region: Policy proposals

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LACNIC Proposal

Purpose

Eliminate the use of the
term “dial-up”

In all v4 policy text, replace
the word “dial-up” with
“non-permanent
connections”

Harmonize Policy Sec 7
& 9.5

Returned Legacy Resources
from LACNIC region to be
put back into IANA pool in
line with new GP

LACNIC region: Policy proposals

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LACNIC Proposal	Purpose
Resource Transfers and Gradual Exhaustion	Allow organizations to receive resources through transfers during exhaustion phase
Inter RIR Transfers	Allow two-way out of region transfers between RIRs with compatible policy

LACNIC region: Policy proposals

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LACNIC Proposal	Purpose
Remove clause imposing implementation of inter RIR transfers	Allow inter RIR transfers to be effective immediately, not in the 'exhaustion' phase
Update RIRs on "/48"	Operators to determine what assignment prefix length is appropriate, not be limited to /48 minimum
IPv6 allocations > /32	Defining criteria for operators requiring block > /32

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LACNIC Proposal

Purpose

RPKI for additional
allocations

Force organizations
requesting additional
resources to sign up for
rPKI.

Add rPKI data to whois
db

Include rPKI data to
resource data in the whois
database (such as ROA,
URI, repositories etc)

APNIC region: Policy proposals

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AFPUB-2012-V4-002

Core DNS provider

AFPUB-2012-V4-001

Anycast Assignments

Thu 09:00 – 10:30

AFPUB-2012-DNS-001

No Reverse unless

Assigned

AFPUB-2012-GEN-001

WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002

RIR Privacy

Open Microphone

APNIC Proposal

Purpose

Clarify “Demonstrated
Needs” requirement for
IPv4 resource transfers

This proposal increases to
24 months, the
demonstrated need
evaluation period for IPv4
transfer recipients.

Remove Multi-homing
Requirement for IPv6
Portable Assignments

Remove requirement for
requestor to be
multi-homed.

RIPE region: Policy proposals

Policy Development

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Wed 14:45 – 16:00

Policy Development
Process

Proposal summary
(AFRINIC)

Proposal summary
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Wed 16:30 – 18:00

AFPUB-2012-V4-002
Core DNS provider
AFPUB-2012-V4-001
Anycast Assignments

Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned
AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

RIPE Proposal

Purpose

Inter RIR Transfers

Describes how transfers of IPv4 address space between LIRs of different Regional Internet Registries will occur.

Intra-RIR Transfers

Increase the 'period-of-use' for allocations (for transfers) from 3 months.

RIPE region: Policy proposals

Policy Development

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Policy Development
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Core DNS provider

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AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

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AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

RIPE Proposal	Purpose
PI Assignments from the last /8	Allow End Users (in addition to LIRs) to receive PI assignments from the last /8
Transparency in IPv4 Transfers	RIPE NCC to publish records of all transfers made under the transfer policy.

RIPE region: Policy proposals

Policy Development

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AFPUB-2012-V4-001
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AFPUB-2012-DNS-001
No Reverse unless
Assigned
AFPUB-2012-GEN-001
WHOIS Clean-up

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AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

RIPE Proposal

Purpose

Services to Legacy
Internet Resource
Holders

Define basis for
maintenance of data and
service delivery to legacy
resource holders.

Publish PI resource
sponsoring organization

In line with policy for PI
holders to sign RSA,
previous PI holders to have
their 'sponsoring LIR'
published.

Policy Session 2:

Wed, 28 Nov 2012, 16:30 – 18:00

Policy Development

Agenda

Wed 14:45 – 16:00

Policy Development
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Proposal summary
(AFRINIC)

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Wed 16:30 – 18:00

AFPUB-2012-V4-002
Core DNS provider
AFPUB-2012-V4-001
Anycast Assignments

Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned
AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

- ▶ Two proposals to discuss during this session.
 - ▶ Both proposals deal with assignment of PI IPv4 /24 blocks.
 - ▶ There is some overlap in the types of users who could qualify.
 - ▶ Both proposals will be presented, without discussion.
 - ▶ Then both proposals will be discussed together.
-
- ▶ Proposal AFPUB-2012-V4-002: Redefine “core DNS service provider”
 - ▶ Proposal AFPUB-2012-V4-001: Anycast Assignments in the AfriNIC region

Proposal AFPUB-2012-V4-002: Redefine “core DNS service provider”

Policy Development

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Core DNS provider

AFPUB-2012-V4-001
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Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

Current version AFPUB-2012-V4-002-DRAFT-01

<http://www.afrinic.net/en/community/policy-development/policy-proposals/753-redefine-core-dns-service-provider>

Submission Date 18 Sep 2012

Author Frank Habicht

Amends AFPUB-2006-GEN-001

<http://www.afrinic.net/en/library/policies/127-afpub-2006-gen-001>

NOTE

A new revision (DRAFT-02) was posted to the RPD mailing list on 19 Nov 2012, but is not yet accessible via the policy development web page.

Summary of AFPUB-2012-V4-002: Redefine “core DNS service provider”

Policy Development

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AFPUB-2012-DNS-001
No Reverse unless
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AFPUB-2012-GEN-001
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AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/753-redefine-core-dns-service-provider>
- ▶ The existing policy AFPUB-2006-GEN-001 “*Policy for End User Assignments in AfriNIC service region*” allows assignment of a PI IPv4 /24 prefix for critical infrastructure.
 - ▶ <http://www.afrinic.net/en/library/policies/127-afpub-2006-gen-001>
- ▶ Core DNS service providers are included under “critical infrastructure”.
- ▶ This proposal seeks to change the definition of a core DNS service provider, to make it easier to qualify.



AFRINIC-17

KHARTOUM
SUDAN
24-29 NOVEMBER 2012

Summary of AFPUB-2012-V4-002: Redefine “core DNS service provider”

Policy Development

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(AFRINIC)

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AFPUB-2012-V4-002
Core DNS provider

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Anycast Assignments

Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

Existing definition *A core DNS service provider is a company who provides DNS service for the root level of the DNS tree (ICANN-sanctioned root operators).*

Proposal DRAFT-01 *A core DNS service provider is a company who provides DNS services for services for the root level of the DNS tree (ICANN-sanctioned root operators), any ccTLD in the AfriNIC service region and any significant SLD.*

Proposal DRAFT-02 *A core DNS service provider is an organisation based in the AfriNIC Service Region that provides DNS service for any TLD. Up to two (2) assignments can be made for any TLD service. Assignments are also made to support deployment of infrastructure supporting ICANN-sanctioned root operators.*

Context for AFPUB-2012-V4-002: Redefine “core DNS service provider”

Policy Development

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(AFRINIC)

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AFPUB-2012-GEN-002
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Extract from existing policy AFPUB-2006-GEN-001

End-User Assignment to critical Infrastructure

AfriNIC will make End-User assignment to critical infrastructure providers of the Internet such as public exchange points and core DNS service providers. These allocations will be no longer than a /24 using IPv4. Multiple allocations may be granted in certain situations.

- Exchange point assignment **MUST** be assigned from specific blocks reserved only for this purpose.

...

Core DNS service provider:

A core DNS service provider is a company who provides DNS service for the root level of the DNS tree (ICANN-sanctioned root operators).

Proposal AFPUB-2012-V4-002: Redefine “core DNS service provider”

Text of the proposal (DRAFT-01)

Policy Development

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(AFRINIC)

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AFPUB-2012-V4-002
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AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

1 Summary of the Problem Being Addressed by this Policy Proposal

Removal of the restriction to DNS-root server operators in the IPv4 PI policy, critical infrastructure criteria, in order to include ccTLDs and possibly significant SLDs.

2 Summary of How this Proposal Addresses the Problem

Remove restrictive wording in the “Core DNS service provider” definition.



Proposal AFPUB-2012-V4-002: Redefine “core DNS service provider” Text of the proposal (DRAFT-01)

Policy Development

Agenda

Wed 14:45 – 16:00

Policy Development
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Proposal summary
(AFRINIC)

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AF PUB-2012-V4-002
Core DNS provider

AF PUB-2012-V4-001
Anycast Assignments

Thu 09:00 – 10:30

AF PUB-2012-DNS-001
No Reverse unless
Assigned

AF PUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AF PUB-2012-GEN-002
RIR Privacy
Open Microphone

3 Proposal

3.1 Replace the definition “Core DNS service provider” :

A core DNS service provider is a company who provides DNS services for the root level of the DNS tree (ICANN-sanctioned root operators).

with

A core DNS service provider is a company who provides DNS services for services for the root level of the DNS tree (ICANN-sanctioned root operators), any ccTLD in the AfriNIC service region and any significant SLD.

3.2 The author assumes and understands this has always been the intention, but believes the current wording is too restrictive.



Proposal AFPUB-2012-V4-002: Redefine “core DNS service provider” Text of the proposal (DRAFT-02)

Policy Development

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Policy Development
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(AFRINIC)

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Wed 16:30 – 18:00

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Core DNS provider

AF PUB-2012-V4-001
Anycast Assignments

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AF PUB-2012-DNS-001
No Reverse unless
Assigned

AF PUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AF PUB-2012-GEN-002
RIR Privacy
Open Microphone

1 Summary of the Problem Being Addressed by this Policy Proposal

loosening of restriction to DNS-root server operators for IPv4 PI policy, critical infrastructure criteria, in order to also include ccTLD and possibly significant SLDs

2 Summary of How this Proposal Addresses the Problem

removal of restrictive wording



Proposal AFPUB-2012-V4-002: Redefine “core DNS service provider” Text of the proposal (DRAFT-02)

Policy Development

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Core DNS provider

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AFPUB-2012-DNS-001
No Reverse unless
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AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

3 Proposal

3.1 I propose to replace the definition at the end of the document:

Core DNS service provider:

A core DNS service provider is a company who provides DNS service for the root level of the DNS tree (ICANN-sanctioned root operators).

with

Core DNS service provider:

A core DNS service provider is an organisation based in the AfriNIC Service Region that provides DNS service for any TLD. Up to two (2) assignments can be made for any TLD service. Assignments are also made to support deployment of infrastructure supporting ICANN-sanctioned root operators.

3.2 I assume and understand this has always been the intention, I just believe the current wording is too restrictive.



AFRINIC-17

KHARTOUM
SUDAN
24-29 NOVEMBER 2012

Proposal AFPUB-2012-V4-002: Redefine “core DNS service provider”

Discussion points

Policy Development

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(AFRINIC)

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No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

- ▶ Name servers for the root zone are already classified as “critical infrastructure”.
- ▶ Should name servers for TLDs also qualify? Which TLDs?
 - ▶ DRAFT-01 says *any ccTLD in the AfriNIC service region*
 - ▶ DRAFT-02 says *organisation based in the AfriNIC Service Region ... any TLD*
- ▶ What about SLDs?
 - ▶ DRAFT-01 says *any significant SLD* but does not elaborate
 - ▶ DRAFT-02 says no
- ▶ Is this really a clarification, or is it a change in policy?
- ▶ How does this proposal interact with the anycast proposal?
- ▶ What about IPv6?



AFRINIC-17

KHARTOUM
SUDAN

24-29 NOVEMBER 2012

Proposal AFPUB-2012-V4-001: Anycast Assignments in the AfriNIC region

Policy Development

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(AFRINIC)

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Anycast Assignments

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AFPUB-2012-DNS-001
No Reverse unless
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AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

Current version AFPUB-2012-V4-001-DRAFT-01

<http://www.afrinic.net/en/community/policy-development/policy-proposals/701-anycast-assignments-in-the-afrinic-region>

Submission Date 17 Apr 2012

Authors Tim McGinnis, Mark J Elkins, Mauritz Lewies

Amends

- ▶ AFPUB-2005-v4-001 <http://www.afrinic.net/en/library/policies/126-afpub-2005-v4-001>
- ▶ AFPUB-2006-GEN-001 <http://www.afrinic.net/en/library/policies/127-afpub-2006-gen-001>
- ▶ AFPUB-2010-v4-005-draft-05
<http://www.afrinic.net/en/community/policy-development/policy-proposals/697-ipv4-soft-landing-policy>

Summary of AFPUB-2012-V4-001: Anycast Assignments in the AfriNIC region

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RIR Privacy
Open Microphone

- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/701-anycast-assignments-in-the-afrinic-region>
- ▶ Seeks to allow assignment of a PI IPv4 /24 prefix for use with anycast services and GPRS Roaming Exchange (GRX) services.
- ▶ Existing policies allow PI IPv4 /24 for critical infrastructure, but this proposal targets users that would not be classified as “critical infrastructure”.
- ▶ Existing policies allow PI IPv4 /22 for end users, but this proposal targets users who do not need so much space.

Summary of AFPUB-2012-V4-001: Anycast Assignments in the AfriNIC region

Policy Development

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Thu 11:00 – 13:00

AF PUB-2012-GEN-002
RIR Privacy
Open Microphone

- ▶ May obtain one /24 IPv4 prefix for anycast or GRX purposes.
- ▶ These prefixes must be used for the sole purpose of anycasting web or authoritative DNS servers . . . or for GPRS Roaming Exchange.
- ▶ These prefixes will count as being fully utilised when an organization applies for additional resources.
- ▶ Blocks used for anycast services cannot be further assigned or sub-allocated.
- ▶ Tagged with the status attribute in the AfriNIC DB as “ASSIGNED ANYCAST”.

Proposal AFPUB-2012-V4-001:

Anycast Assignments in the AfriNIC region Text of the proposal (DRAFT-01)

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AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

1 Summary of the Problem Being Addressed by this Policy Proposal

Unless one is in charge of “critical infrastructure” in the AfriNIC region, an organization cannot get an allocation or assignment purely for anycast or GPRS Roaming Exchange (GRX) usage. I understand there are organizations that would like to use anycast/GRX for non-critical infrastructure in the region, but cannot due to policy limitations.

Proposal AFPUB-2012-V4-001:

Anycast Assignments in the AfriNIC region

Text of the proposal (DRAFT-01)

Policy Development

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In addition, current anycast practice announces an entire /24. AfriNIC's current IPv4 policy states that the minimum allocation size on initial allocation is a /22. To use a /22 for anycast when you potentially are only using a few addresses in the block is wasteful. Also, if an organisation uses some of its allocation (or assignment) for anycast services, it may not be able to justify the use of it's current allocation/assignment when requesting additional resources.

Proposal AFPUB-2012-V4-001:

Anycast Assignments in the AfriNIC region

Text of the proposal (DRAFT-01)

Policy Development

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Thu 09:00 – 10:30

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No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

2 Summary of How this Proposal Addresses the Problem

This proposal allows the use of one (1) /24 of IPv4 for anycast services from a PA allocation or end user assignment. These /24s will be assumed to be “fully utilised” by AfriNIC staff when considering utilisation for first allocation or for an additional allocation or assignment.

Proposal AFPUB-2012-V4-001:

Anycast Assignments in the AfriNIC region

Text of the proposal (DRAFT-01)

Policy Development

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Core DNS provider

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Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

3 Proposal

3.1 An organization may obtain one (1) /24 IPv4 prefix for anycast or GRX purposes from an allocation or end-user assignment. These prefixes must be used for the sole purpose of anycasting web or authoritative DNS servers as described in BCP126/RFC 4786 (<http://www.ietf.org/rfc/rfc4786.txt>) or for GPRS Roaming Exchange.

These prefixes will count as being fully utilised when an organization applies for additional resources. The utilization criteria that apply to all IPv4 initial allocation or assignment requests shall be waived for anycast allocation or assignment requests.

Proposal AFPUB-2012-V4-001:

Anycast Assignments in the AfriNIC region

Text of the proposal (DRAFT-01)

Policy Development

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(AFRINIC)

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Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
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Thu 11:00 – 13:00

AFPUB-2012-GEN-002
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- 3.2** Blocks used for anycast services cannot be further assigned or sub-allocated. They shall be tagged with the status attribute in the AfriNIC DB as “ASSIGNED ANYCAST”.



AFRiNIC-17

KHARTOUM
SUDAN
24-29 NOVEMBER 2012

Proposal AFPUB-2012-V4-001:

Anycast Assignments in the AfriNIC region

Discussion points

Policy Development

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(AFRiNIC)

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AFPUB-2012-V4-002
Core DNS provider

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Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

- ▶ This proposal did not reach consensus at the previous meeting
- ▶ There has not been a new revision or any significant discussion on the RPD mailing list since the previous meeting
- ▶ Are there potential users who need this policy?
- ▶ Should they use part of a larger allocation or assignment?
- ▶ Should they use something smaller than IPv4 /24?
- ▶ What about IPv6?

Policy Session 3:

Thu, 29 Nov 2012, 09:00 – 10:30

Policy Development

Agenda

Wed 14:45 – 16:00

Policy Development
Process

Proposal summary
(AFRINIC)

Proposal summary
(Other regions)

Wed 16:30 – 18:00

AFPUB-2012-V4-002
Core DNS provider

AFPUB-2012-V4-001
Anycast Assignments

Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

- ▶ Two proposals to discuss during this session.
 - ▶ Both proposals deal with database maintenance.
 - ▶ Both proposals will be presented, without discussion.
 - ▶ Then both proposals will be discussed together.
-
- ▶ Proposal AFPUB-2012-DNS-001: No Reverse Unless Assigned
 - ▶ Proposal AFPUB-2012-GEN-001: AfrINIC WHOIS Database Clean-up

Proposal AFPUB-2012-DNS-001: No Reverse Unless Assigned

Policy Development

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Policy Development
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Proposal summary
(AFRINIC)

Proposal summary
(Other regions)

Wed 16:30 – 18:00

AFPUB-2012-V4-002
Core DNS provider
AFPUB-2012-V4-001
Anycast Assignments

Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned

AFPUB-2012-GEN-001
WHOIS Clean-up

Thu 11:00 – 13:00

AFPUB-2012-GEN-002
RIR Privacy
Open Microphone

Current version AFPUB-2012-DNS-001-DRAFT-01

[http://www.afrinic.net/en/community/
policy-development/policy-proposals/
700-no-reverse-unless-assigned](http://www.afrinic.net/en/community/policy-development/policy-proposals/700-no-reverse-unless-assigned)

Submission Date 10 Apr 2012

Author Tim McGinnis

Amends AFPUB-2005-v4-001

[http://www.afrinic.net/en/library/policies/
126-afpub-2005-v4-001](http://www.afrinic.net/en/library/policies/126-afpub-2005-v4-001)

Summary of AFPUB-2012-DNS-001: No Reverse Unless Assigned

Policy Development

Agenda

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Policy Development
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Proposal summary
(AFRINIC)

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(Other regions)

Wed 16:30 – 18:00

AFPUB-2012-V4-002
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- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/700-no-reverse-unless-assigned>
- ▶ Seeks to encourage LIRs and end users to register assignments and sub-allocations in the AFRINIC database.
- ▶ Existing policy AFPUB-2005-V4-001 *IPv4 Allocation Policy* already requires registration.
- ▶ This proposal adds an incentive to register, by refusing DNS reverse delegation for address space that has not been registered.

Summary of AFPUB-2012-DNS-001: No Reverse Unless Assigned

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- ▶ AfriNIC will no longer grant reverse delegation . . . unless an assignment or sub-allocation of that address space is registered appropriately in the AfriNIC Database.
- ▶ AfriNIC will contact those LIRs who currently have reverse DNS . . . but have not registered any assignments or sub-allocations . . .
- ▶ AfriNIC will NOT remove reverse delegation of any LIRs allocation that was approved before the date of ratification of this policy proposal . . .

Proposal AFPUB-2012-DNS-001: No Reverse Unless Assigned

Text of the proposal (DRAFT-01)

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1 Summary of the Problem Being Addressed by this Policy Proposal

The purpose of a Public Network Information Database such as the AfriNIC Database is so that contact information about public networks is made public by registering assignments as they are made in the database. It is the author's experience that AfriNIC members are not as diligent about registering assignments of IPv4 space as they could be.



Proposal AFPUB-2012-DNS-001: No Reverse Unless Assigned

Text of the proposal (DRAFT-01)

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AFPUB-2005-v4-001 says, inter alia:

9.5 Validity of an assignment

Assignments remain valid as long as the original criteria on which the assignment was based are still in place and the assignment is registered in the AfriNIC whois database. An assignment is therefore invalid if it is not registered in the database and if the purpose for which it was registered has changed or no longer holds.

This proposal is an enforcement mechanism of that long-standing policy.

Proposal AFPUB-2012-DNS-001: No Reverse Unless Assigned

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2 Summary of How this Proposal Addresses the Problem

This proposal limits LIRs and End-Users from obtaining reverse delegation (rDNS) from AfriNIC unless the address space is assigned or sub-allocated in the AfriNIC Database.



Proposal AFRUB-2012-DNS-001: No Reverse Unless Assigned

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3 Proposal

- 3.1** AfriNIC will no longer grant reverse delegation of IP address space that it administers unless an assignment or sub-allocation of that address space is registered appropriately in the AfriNIC Database.
- 3.2** AfriNIC will contact those LIRs who currently have reverse DNS for allocations, but have not registered any assignments or sub-allocations under those allocations to remind them of the above text from AFPUB-2005-v4-001. It is envisioned that this will be done using MyAfriNIC and email, but specific details will be left to the Secretariat staff to implement.



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Text of the proposal (DRAFT-01)

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- 3.3** AfrinIC will NOT remove reverse delegation of any LIRs allocation that was approved before the date of ratification of this policy proposal by the AfrinIC Board. Only allocations made after ratification date will be affected by this proposal.



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- ▶ This proposal did not reach consensus at the previous meeting
- ▶ There has not been a new revision or any significant discussion on the RPD mailing list since the previous meeting
- ▶ Is there a problem with accuracy of sub-assignment or allocation data?
- ▶ Will this proposal help?
- ▶ Should it apply to old assignments or only new assignments?

Proposal AFPUB-2012-GEN-001: AfrINIC WHOIS Database Clean-up

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Current version AFPUB-2012-GEN-001-DRAFT-02

`http://www.afrinic.net/en/community/
policy-development/policy-proposals/
776-afrinic-whois-database-clean-up-draft2`

Submission Date 2 Oct 2012

Original Submission Date 13 Apr 2012

Author Jean Robert Hountomey

Summary of AFPUB-2012-GEN-001: AfriNIC WHOIS Database Clean-up

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- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/776-afrinic-whois-database-clean-up-draft2>
- ▶ This proposal asks AfriNIC to maintain accuracy through a periodical database clean up.
- ▶ Furthermore, at least once a year or at the renewal of resources, AFRINIC staff should conduct a whois database information validation.

Summary of AFPUB-2012-GEN-001: AfrINIC WHOIS Database Clean-up

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- ▶ AfrinIC staff will conduct a first cleanup by asking all ... to confirm their POC information.
 - ▶ except those who received their objects in less than a year
- ▶ ... AfrinIC will conduct a cleanup one time a year.
- ▶ At the request of additional resources or services ... update its records.
- ▶ After one month, AfrinIC Staff will use any communication tools ... to contact those who have not answered ...
- ▶ After a month ... the record will be marked invalid.
- ▶ AfrinIC may publish a report twice a year ...
- ▶ One year after ... still not accurate and the organization has failed to respond ... AfrinIC will claim the number resources back.



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1 Summary of the Problem Being Addressed by this Policy Proposal

The African network infrastructure is growing with changes and extensions. This growth has brought changes in telecommunication and Internet infrastructure. With the emergence of new operators, mergers and acquisitions, the dynamism brought by the penetration of Internet technology has required organizational changes with job rotation. The need for accurate whois data has been in the news for years all over the world.



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Inaccurate data is still present in the AfriNIC whois database because changes have occurred in organizations (point of contact, contact information etc.) and object owners have not updated their records. The result is a “No response” from “whois” contacts listed in the AfriNIC Database.

Proposal AFPUB-2012-GEN-001: AfriNIC WHOIS Database Clean-up

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2 Summary of How this Proposal Addresses the Problem

This proposal asks AfriNIC to maintain accuracy through a periodical database clean up. Furthermore, at least once a year or at the renewal of resources, AFRINIC staff should conduct a whois database information validation.



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3 Proposal

AfrINIC members are committed through the RSA to maintain their data and keep it accurate. AfrINIC will then maintain accuracy of whois information through periodical database clean up.



Proposal AFPUB-2012-GEN-001: AfriNIC WHOIS Database Clean-up

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3.1 Cleanup

- 3.1.1** General Database Cleanup: At the ratification of this policy, AfriNIC staff will conduct a first cleanup by asking all POC present except those who received their objects in less than a year to confirm their POC information. We leave to AfriNIC staff the discretion to use any communication tool they find useful for this action.
- 3.1.2** Annual Clean up: After the first cleanup, AfriNIC will conduct a cleanup one time a year. We leave to AfriNIC's staff to define the period.
- 3.1.3** At the request of additional resources or services, AfriNIC staff will ask the organization to update its records.



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Proposal AFPUB-2012-GEN-001: AfriNIC WHOIS Database Clean-up

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3.2 Steps

- 3.2.1 AfriNIC staff will ask members to confirm accuracy of their records in the Whois database in a month's timeframe when contacted by email.
- 3.2.2 After one month, AfriNIC Staff will use any communication tools at their discretion to contact those who have not answered or those whose email has bounced back.
- 3.2.2 After a month of unresponsive response, the record will be marked invalid.
- 3.2.4 AfriNIC may publish a report twice a year about number resources with invalid POC.
- 3.2.5 One year after the first contact initiation, if the data is still not accurate and the organization has failed to respond to the call to resolve the data inconsistency, AfriNIC will claim the number resources back.



Proposal AFPUB-2012-GEN-001: AfriNIC WHOIS Database Clean-up

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4 Situation within other RIRs

- ▶ ARIN conducts an annual POC (point of contact) validation process: https://www.arin.net/resources/services/poc_validation.html
- ▶ At APNIC, there was a similar policy proposed that did not reach consensus and was withdrawn by the author. http://www.apnic.net/__data/assets/file/0006/22857/prop-084-v002.txt



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- ▶ This proposal was submitted shortly before the previous meeting, too late to be formally placed on the agenda.
- ▶ It was discussed informally, and received support.
- ▶ Is there a problem with accuracy of contact information?
- ▶ Will this proposal help?
- ▶ Are the one month and one year time periods reasonable?
- ▶ There was a suggestion that the “No reverse unless assigned” proposal could be combined with the WHOIS Clean-up proposal.

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- ▶ Only one proposal to discuss during this session.
 - ▶ The proposal will be presented and then discussed.
 - ▶ The “Open Microphone” will begin after discussion of the last policy proposal.
-
- ▶ Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy
 - ▶ Policy Development Open Microphone

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

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Current version AFPUB-2012-GEN-002-DRAFT-02

[http://www.afrinic.net/en/community/
policy-development/policy-proposals/
787-regionalinternetnregistrynprivacy](http://www.afrinic.net/en/community/policy-development/policy-proposals/787-regionalinternetnregistrynprivacy)

Submission Date 16 Nov 2012

Original Submission Date 5 May 2012

Author S. Moonesamy

Summary of AFPUB-2012-GEN-002: Regional Internet Registry Privacy

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- ▶ <http://www.afrinic.net/en/community/policy-development/policy-proposals/787-regionalinternetregistryprivacy>
- ▶ This document specifies the privacy policy for the Regional Internet Registry handling Internet number resources in the AfriNIC service region.
- ▶ Definition of Personal Data
- ▶ Data retention periods (personal data, billing data, historical data)
- ▶ Personal Data cannot be transferred to another country unless ...
- ▶ A Personal Data Transfer Register will be maintained ...
- ▶ In the event of Personal Data leakage, a notification shall be sent ...

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

Text of the proposal (DRAFT-02)

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Summary

Privacy is the ability of an individual to be left alone, out of public view, and in control of information about oneself. This document specifies the privacy policy for the Regional Internet Registry handling Internet number resources in the AfriNIC service region.

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

Text of the proposal (DRAFT-02)

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1 Introduction

Privacy is the ability of an individual to be left alone, out of public view, and in control of information about oneself. AfriNIC, as a Regional Internet Registry, manages and administers Internet number resources for the AfriNIC service region. It publishes information about Internet number resources on the Internet. This document specifies the privacy policy for the Internet Registry. Any restriction mentioned in this document is not applicable to data which is publicly available, e.g. data provided through a service accessible anonymously over the Internet.

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

Text of the proposal (DRAFT-02)

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2 Personal Data

Personal Data shall mean any information relating to an identified or identifiable natural person (“data subject”); an identifiable person is one who can be identified directly or indirectly, in particular by reference to an identification number or one or more factors specific to his physical, physiological, mental, economic, cultural or social identity.



Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy Text of the proposal (DRAFT-02)

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3 Data Minimization

The principle of data minimization has been adopted to limit the collection and/or transfer of Personal Data to what is directly relevant and necessary for specified, explicit and legitimate purposes. Information about whether any data is adequate, relevant and not excessive in relation to the purposes for which it is collected and/or transferred shall be made available to any person who is part of the Policy Development Working Group for the AfriNIC service region.

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

Text of the proposal (DRAFT-02)

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The Regional Internet Registry shall not collect under any circumstances personal Data from an applicant of Internet number resources which can be used to identify more than a quarter of the users to which an applicant has allocated IP address space. This is a maximum amount and not guidance about the amount of data considered as excessive.

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

Text of the proposal (DRAFT-02)

Policy Development

Agenda

Wed 14:45 – 16:00

Policy Development
Process
Proposal summary
(AFRNIC)
Proposal summary
(Other regions)

Wed 16:30 – 18:00

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Core DNS provider
AFPUB-2012-V4-001
Anycast Assignments

Thu 09:00 – 10:30

AFPUB-2012-DNS-001
No Reverse unless
Assigned
AFPUB-2012-GEN-001
WHOIS Clean-up

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3.1 Data Retention

The retention period for Personal Data is six months. Personal Data necessary for financial purposes; e.g. billing, can be retained for up to twelve months after the end of a Registration Service Agreement. Personal Data published for Internet number resources allocations or assignments can be retained for the historical record if the data was publicly available for at least a month.

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

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3.2 Transfer of Personal Data

Personal Data cannot be transferred to another country unless there is a publicly available assessment of:

- (a) the nature of the Personal Data
- (b) the purpose and duration of the proposed processing of the Personal Data
- (c) the country of origin and country of final destination
- (d) the rules of law in force in the country in question
- (e) any relevant rules and security measures which are complied within that country

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4 Personal Data Transfer Register

A Personal Data Transfer Register will be maintained with the following information:

- (a) date of transfer of the Personal Data
- (b) nature of the Personal Data
- (c) purpose of the proposed processing of the Personal Data
- (d) country of origin and country of final destination

The Personal Data Transfer Register shall be published through a service accessible anonymously over the Internet. Personal Data required for financial purposes is exempted from publication.

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

Text of the proposal (DRAFT-02)

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5 Personal Data Leakage

In the event of Personal Data leakage, a notification shall be sent to the Resource Policy Discussion mailing list within a day of the detection of the leakage together with an explanation about the nature and extent of the leakage.

Proposal AFPUB-2012-GEN-002: Regional Internet Registry Privacy

Discussion points

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- ▶ This proposal was submitted shortly before the previous meeting, too late to be formally placed on the agenda.
- ▶ Should AFRINIC have a data privacy policy?
- ▶ Is the number resource policy process a good way of achieving that, or should it be done in some other way?
- ▶ Is this proposal going in the right direction?
- ▶ Is this proposal good enough to ask the Board to ratify it?

Policy Development Open Microphone

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RIR Privacy

Open Microphone

This is your chance to discuss anything relating to AFRINIC number resource policies, including the policy development process.

- ▶ What works?
- ▶ What doesn't work?
- ▶ What should be changed?
- ▶ What new policies are needed?

- ▶ Please queue up at the microphones
- ▶ When it's your turn, state your name, and have your say