



AfrinIC Policy Development

***AfrinIC 5
Balaclava, Mauritius, 1 December 2006***

Policy Development Process

- Policies that AfrinIC uses to manage internet number resources are proposed by the community
- Anyone can make a proposal through the policy working group discussion list:
 - policy-wg@afriNIC.net
 - policy-wg-request@afriNIC.net
- *Discussion for at least 30 days on the mailing list*
- *Discussion at a face to face open policy meeting*
- *Last call: 15 days on mailing list*
- *Board approval*



Global Policies

Global Policy Development Process is defined in
Appendix A of ICANN ASO MOU
(<http://www.aso.icann.org/docs/aso-mou2004.html>)

Global Policy for allocation of IPv6 address space from
IANA to RIRs

AfriNIC policy [afpol-glbipv6200508](#)

Identical policies adopted by all RIRs, verified by NRO,
recommended to ICANN by ASO

<http://www.aso.icann.org/docs/aso-global-ipv6.pdf>

Ratified by ICANN Board on 7 Sep 2006

Already implemented by IANA



~~afpol-glbip6200508 (approved 2006-05, approved by ICANN 2006-09)~~

Allocation of IPv6 Address Space by the Internet Assigned Numbers Authority (IANA) to the Regional Internet Registries:

- **IPv6 unit of allocation from IANA to RIR is a /12**
- **IANA to allocate sufficient IPv6 space to meet the RIR's needs for 18 months.**
- **IANA to allow the RIRs to apply their own allocation and reservation strategies.**
- **Each RIR starts with at least /12 of IPv6 space.**
- **Receive additional /12 if “AVAILABLE SPACE” is less than 50% of a /12, OR less than “NECESSARY SPACE” for next 9 months.**

Policies recently approved

<http://www.afrinic.net/docs/policy.htm>

<u>Policy</u>	<u>Date Proposed</u>	<u>Proposed by</u>
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Discussed at Afrinic-4: Nairobi, Kenya, May 2006

Ratified by Board: Nov 2006

4-Byte ASN policy proposal	2005-12-01	Geoff Huston
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afpol-asn200604

Proposals under discussion

<http://www.afrinic.net/docs/policy.htm>

<i>Proposal</i>	<i>Date Proposed</i>	<i>Proposed by</i>
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More than 30 days on mailing list

IPv6 PI policy proposal

afpol-v6200604

2006-04-14

Jordi Palet
Martinez

IPv6 assignments for critical infrastructure

afpol-v6200606

2006-06-02

Frank Habicht

Modification to IPv6 allocation and assignment policy

afpol-v6200607

2006-06-04

Jordi Palet
Martinez

Less than 30 days on mailing list

Change the allocation and assignment period to 12 months

afpol-af200611

2006-11-22

Adiel Akplogan



afpol-asn200604 (approved 2006-11)

4-Byte ASN Policy Proposal

- *Identical proposals approved by all other RIRs*
- *Proposal gives dates for transition from the 2-byte to the 4-byte ASNs by AfrinIC*

On 1 January 2007, the registry will process applications that

specifically request 4-byte only AS Numbers and allocate such

AS Numbers as requested by the applicant. In the absence of any specific request for a 4-byte only AS Number, a 2-byte only AS Number will be allocated by the registry.

4-Byte ASN Policy Proposal ... *continued...*

On 1 January 2009, the registry will process applications that specifically request 2-byte only AS Numbers and allocate such AS Numbers as requested by the applicant. In the absence of any specific request for a 2-byte only AS Number, a 4-byte only AS Number will be allocated by the registry.

On 1 January 2010, the registry will cease to make any distinction between 2-byte only AS Numbers and 4-byte only AS Numbers, and will operate AS number allocations from an undifferentiated 4-byte AS Number allocation pool.

afpol-v6200604 (discussion)

IPv6 PI Policy Proposal

- Facilitate multi-homing or avoid renumbering
- /32 or larger, from a special block
- Return the space 3 years after a better technical solution becomes available
- Can keep the space if the organisation qualifies as an LIR under future policies

- Objection: /32 is too big, use /48

afpol-v6200606 (discussion)

IPv6 for critical infrastructure

- **Critical infrastructure means exchange points, ccTLD, root DNS servers, popular SLD DNS servers (with justification)**
- **Exchange points: /48 or larger**
- **DNS servers: same size as for IPv6 PI proposal**
 - **this is /32 in current proposal, but under discussion**
- **Unlike IPv6 PI proposal, assignment is not temporary**

afpol-v6200607 (discussion)

Modification to IPv6 allocation and assignment policy

- **Delete “not be an end site” from conditions in section 5.1 of afpol-v6200407-001**
 - **Retain other conditions: must be an LIR; plan to provide IPv6 connectivity; plan to assign /48 blocks to end sites within 12 months**
- **Delete section 5.4.2 of afpol-v6200407-001**
 - **multiple /48 blocks to the same end site: no longer needs justification by end site or review by RIR**

afpol-af200611 (discussion)

Change allocation and assignment period to 12 months

- **Currently, policy does not explicitly mention a time frame for planning addressing needs**
- **Practice is to consider 24 months**
- **Proposal is to change to 12 months**

- **Other RIRs are also considering changing to 12 months**
 - **Currently: RIPE: 24; APNIC: 12; ARIN: 6; LACNIC: 3**

Next steps for all proposals

- **Discussion at this meeting**
- **If less than 30 days on mailing list:**
 - Must wait for next public meeting**
- **If no consensus:**
 - Back to mailing list
 - Policy can be abandoned or withdrawn
- **If consensus:**
 - Editing for minor changes as a result of consensus
 - 15-day last call on mailing list
 - Board approval

Discussion is now open

afpol-v6200604: IPv6 PI

afpol-v6200606: IPv6 for critical infrastructure

afpol-v6200607: IPv6 changes

afpol-af200611: 12-months projection

- Please use the microphone
- State your name



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