



Afrinic

The Internet Numbers Registry for Africa

Afrinic & IPv6

IPv6 in Africa

- IPv6 adoption is an important challenge worldwide but more important in our region:
 - Lack of demand from the users (Global issues)
 - Lack of customer oriented applications (Global Issues)
 - Perception of huge costs linked to migration
 - Lack of awareness on IPv6 development worldwide.
 - Usual passiveness of our community
 - Allocation policies inappropriate (Partly solved by AfriNIC v6 allocation policy)
 - People are still struggling to deploy IPv4 Networks
 - Extensive usage of NAT in the region
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AfriNIC and IPv6

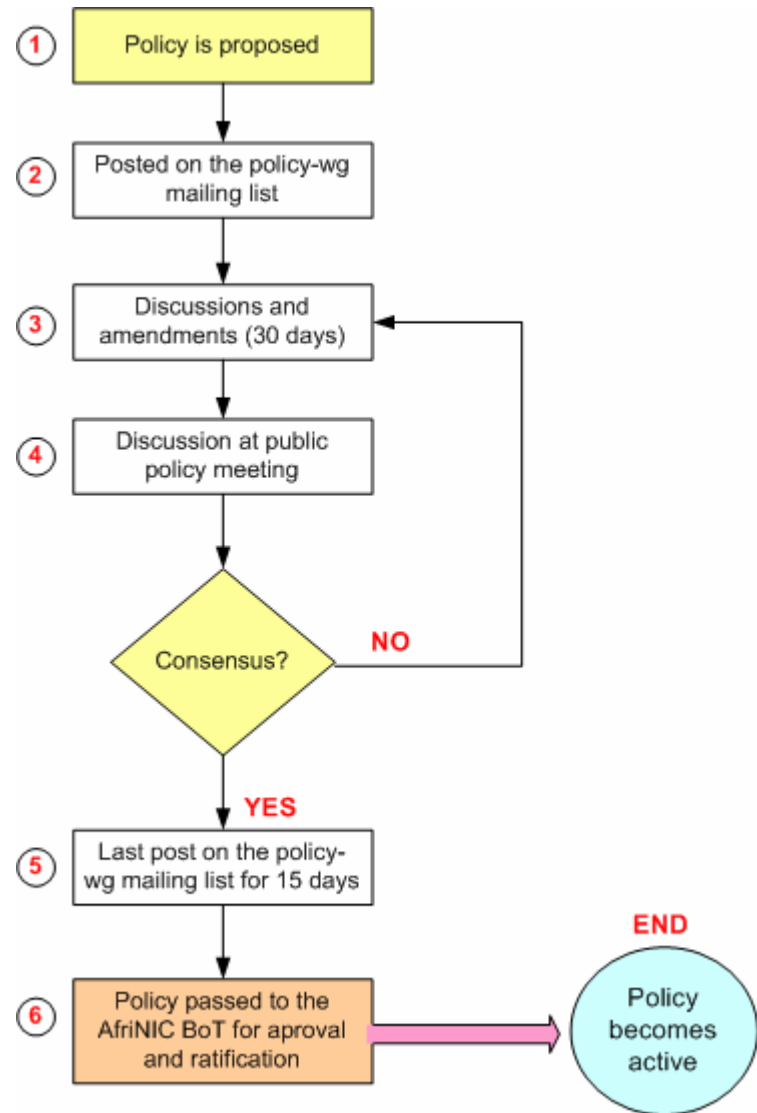
- During AfriNIC-2 meeting in Maputo our members expressed the need for more awareness on IPv6 by AfriNIC.
- afripv6 initiative launched in May 2005
- A policy proposal to ease IPv6 allocation in our region has been proposed and adopted by the community.
- AfriNIC tried to make the allocation criteria simple!
 - No need to justify 200 end-user assignments to get IPv6 addresses.
 - Waived any additional fees for IPv6 allocations.
 - Integrate 'IPv6 Introduction' into AfriNIC LIR training.

Key points in Afrinic policy

- Case 1:
 - Already established LIRs: No additional cost for IPv6 requests.
 - Send an IPv6 allocation template from:
<http://www.afrinic.net/forms/affrm-v6fst200501.htm>
 - Hostmaster evaluates the request according to the policy and makes the allocation.
 - Case 2:
 - New LIR requesting IPv6 only: Same process as IPv4 allocation process
 - Fees associated with this category of LIR is still under discussion.
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How to participate

- AfriNIC has developed a simple but open Policy Development process.
 - Subscribe to the policy discussion mailing list
policy-wg-request@afriNIC.net
 - Propose changes or new policies on the mailing list



IPv6 Allocation in Africa

- 11 Allocations so far
 - 4 pending requests
 - Expecting more requests in 2006 as result of the training
 - For allocation size, Afrinic follows the same principle as recommended by the IAB and the IESG in the RFC 3177.
 - /32 to LIRs
 - /48 to end-users (by LIRs)
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Afriipv6 (a.k.a 6Mandela)

- As requested by the community in Maputo, the project aims to create an environment which favors smooth transition to IPv6 in Africa through:
 - Creation of an environment that allows exchange within IPv6 initiatives around the continent.
 - Creation of an IPv6 Forum for Africa
 - Creation of an IPv6 ready platform to offer v6 support to the community.
 - Bring major African connectivity providers in the game by encouraging them to provide v6 ready solutions.
 - Develop a case study documentation for the use of African operators.
 - Conduct IPv6 Training across the continent
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Ongoing discussions on IPv6 Policy

■ IANA Allocation to RIRs (Global Policy)

Minimum Allocation*	Allocation Criteria	New RIR Allocation
Size = 18 Month Necessary Space [Unit Size = /12]	Available Space < 50% of 1 Allocation Unit OR Available Space < 9 Month Necessary Space Need/Requirement	/12 Regardless of Utilization Or Transferred Space:

■ HD ratio review

- Proposal to increase the HD ratio from 0.80 to 0.90

■ IPv6 allocation to End Users

- Need for IPv6 allocation to non-LIR organisation?.

Support

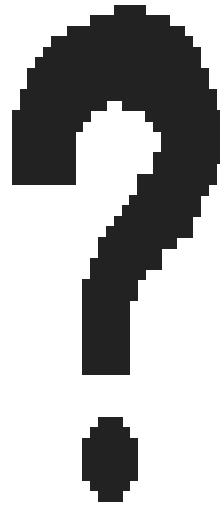
- AfriNIC initiative has received a very positive support from the community and volunteers:
 - Egyptian IPv6 Task Force
 - Meraka Institute (South Africa)
 - IPv6 Forum
 - Consulintel (Jordi Palet Maritinez)

 - Putting together our efforts will definitely produce positive results for IPv6 in Africa.
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Conclusion

- Africa now has the opportunity of having its own Regional Internet Registry to define a policy which will help IPv6 adoption to grow on the continent.
 - AfriNIC will in 2006 embark on an extensive awareness program through the 6Mandela project.
 - We need more participation from the community in our policy process now so that we have in place policies which favor the IPv6 usage in Africa.
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Thank You



Questions ?
