



# Policy Implementation Experience

By

**Madhvi Gokool**

Registration Service Manager  
21 June 2012



# Policy -AFPUB-2005- v4-001

“ AFRINIC is responsible for the allocation of IP (Internet Protocol) address space, AS (Autonomous System) Numbers and management of reverse domain names **within the region.**”

# Current RS practice

- Legal presence in the AFRINIC service region
- Proof of infrastructure and operation in the AFRINIC service region
- Proof of providing services to end-users
- Evidence of connectivity and operation
- License to operate from regulator (where applicable)
- Slow-start as per policy by default, unless justification for more IPs is made(e.g existing network operations)

# Issues

- Offshore companies being set up (Mauritius, Seychelles)
- Partnership regarding infrastructure(no further details)
- Equipment Lease / Colocation in Datacentres
- IP addresses are requested before the organisations establish in our region
- Services being deployed do not necessitate intensive infrastructure
- Customer base completely out of the AFRINIC service region
- VSAT operators (core infrastructure is outside the AFRINIC service region)

# Statistics

- 1888 prefixes have been assigned by LIR members outside AFRINIC service region
- Number of tickets from offshore companies (8% of new member requests) – Resource requests for > /12

# Questions to the Community

Should AFRINIC Registration Services carry on with the current practice?

# POLICY:AFPUB-2006- GEN-001

- Show either an existing efficient utilization of at least 25% from their upstream provider.
- Justify an immediate need of at least 50% of total requested size based on their Network Infrastructure. Eg: new Company.

# Current RS practice

- Look for policy compliance
- Justified needs
- Teach and approve in certain cases

# Issues

- Some End-Users cannot justify the need for the minimum (/24) for their DR sites
- Some End-Users are unable to justify an immediate need for a /24 but are able to justify multihoming for ASN request. The End-User Assignment policy does not take multihoming as criteria for a minimum assignment

# Questions to the Community

Should AFRINIC Registration Services carry on  
with the practice?

# Policy -AFRIPUB-2005- v4-001

## Local Internet Registry (LIR)

- A Local Internet Registry (LIR) is an IR that receives allocations from an RIR and primarily assigns address space to 'end-users'. LIRs are generally ISPs. Their customers are other ISPs and possibly end-users. LIRs must be members of AFRINIC.

# Current RS practice

For organisations that are not ISPs

- Ask for more documentation regarding the services being deployed
- Classify using existing definition of LIR/End-Users

# Issues

- Emerging new technologies – IAAS, Cloud Services, Virtual Network Operator, telecom Application hosting companies, CDN, VPN, Mobile operators
- Difficulty in determining whether such service providers classify as End-User or LIR

# Questions to the Community

Should AFRINIC Registration Services carry on with the current practice?

# Mergers and Acquisitions

<http://www.afrinic.net/en/library/membership-documents/921-lir-end-user-evol>

This document provides guidelines to Local Internet Registries

(LIRs) and End-User Organisations on the steps to take when the

organisation changes ownership (due to a merger, sale or takeover)

or stops serving entirely as an LIR.

# Current RS practice

- Ask for detailed information about the transfer case
- Check if there has been changes ownership (due to a merger, sale or takeover) or the member stops serving entirely as an LIR.

# Issues

- Transfer requests received –  
Non-merger/Non-acquisitions related
- One LIR to another
- Legacy resources to another organisation(non-member) operating in the AFRINIC service region

# Questions to the Community

Should AFRINIC Registration Services carry on with the current practice?

# Policy - AFRIPUB-2004- v6-001

“show a reasonable plan for making /48 IPv6 assignments to end sites in the AFRINIC region within twelve months. The LIR should also plan to announce the allocation as a single aggregated block in the inter-domain routing system within twelve months.”

# Current RS practice

IP addressing Plan

How they are currently using IPv4 addresses on the network etc

# Issues

Plan to announce the prefix in de-aggregated blocks per country of operation

# Questions to the Community

Policy change has already been proposed.  
What does the community think?

# Conclusion

We encourage you to come forward with your suggestions

Use the Policy Discussion Mailing List  
*[rpd@afrinic.net](mailto:rpd@afrinic.net)*