

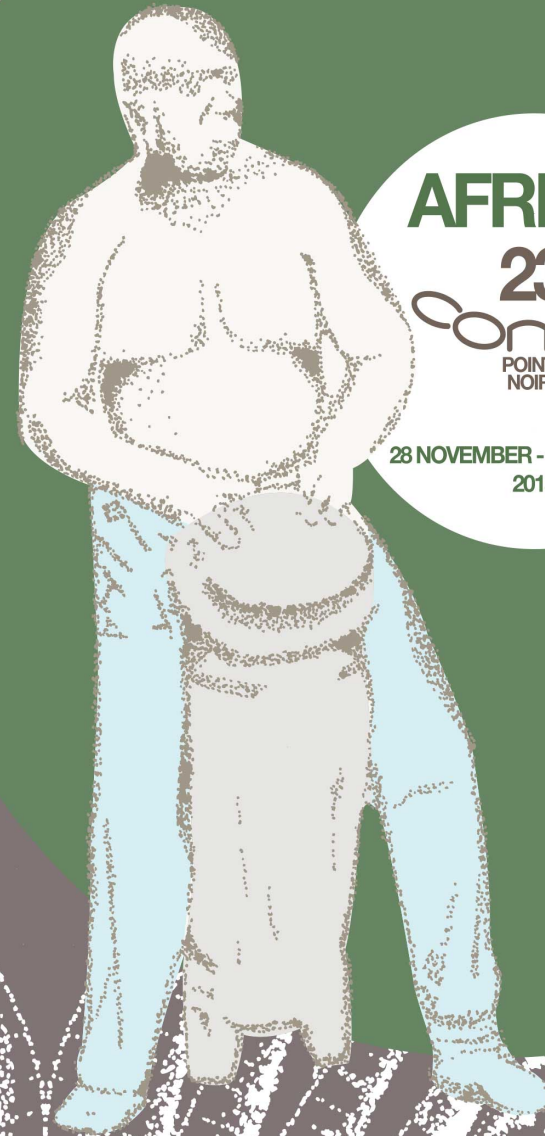
# Technical Update

By

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**AFRINIC**

**23**



POINTE  
NOIRE

28 NOVEMBER - 4 DECEMBER  
2015



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## 2015 Objectives

- Efficiency and Quality
- Resiliency
- Teamwork
- DRP & BCP review
- Prepare for ISO27001



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FTE

- Infrastructure
  - 2 Junior System Engineers
  - 3 System Engineers
  - 1 Network Engineer
- Applications
  - 4 Software Engineers
  - 1 Database Manager
  - 3 Multimedia support



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## Key activities

- Infrastructure resiliency
  - Datacenter virtualization
    - MU and JNB completed
    - Backup off site implemented
    - More to come if budget permits
  - Multi-homing
    - MU - completed
    - JNB – upcoming



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## Key activities cont'd

- Infrastructure resiliency cont'd
  - Incidence response
    - Improving monitoring
    - Improving incident communication channels
    - Reviewed deployment procedure
    - Reviewed helpdesk management
  - Security
    - External assessment
    - Staff training on best practices
    - Periodic scan of key infrastructure elements



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## Key activities cont'd

- **Services**

- New version of NMRP deployed

- Improved software architecture
- Improved code Quality/Testing
- Implemented new features

- New version of RPKI deployed

- Split TAL
- Max length
- Hierarchical repository

- DNSSEC

- Migration to new infrastructure (OpenDNSSEC from 1.3.7 to 1.4.7)
- Signing of afrinic.net and all domain hosted by us



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## Key activities cont'd

- Services (cont'd)
  - New deployment of Routing Registry - upcoming
    - Referencing of object not administered by AFRINIC
    - Multi-level authorisation of object creation
    - NRTM of other registries (RIPE / APNIC / RADB)
    - **IRR homing project migration plan with RIPE NCC**
  - New deployment of WHOIS\_v2.1 - upcoming
    - Implementation of minority space redirection
    - Non-English characters in objects
    - Extend no reverse unless assigned to v6 allocations
    - rDNS REST service in progress



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## Key activities cont'd

- Services (cont'd)
  - Training
    - Deployed Learn v2.0
    - IPv6 certification platform upcoming
  - DNS support program - ongoing
    - RSCP
      - L-Root deployed in Mauritius and Kenya (in progress)
      - K-Root deployment in progress in Congo
    - AfDSP
      - Over 27 ccTLDs supported (.ng most recent one added)
  - Registration Data Access Protocol
    - Deployed (RFCs 7480, 7482 and 7483)



**Thank you  
for your  
Attention**

**Questions?**

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