**ADDENDUM TO AGMM2021 AGENDA ITEM No 4**

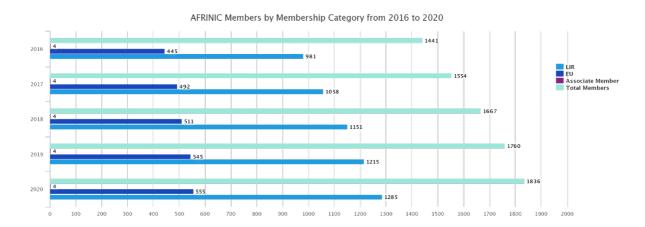+++++++++++++++++++++++++++++++++++++++++++++++++++++++++

# AFRINIC Activities Update 2020

by Eddy Kayihura, CEO

This is a summary of the main points to be mentioned in the CEO's presentation during the AFRINIC AGMM to be held on 4th June 2021 via Online Conferencing System.

## Membership

AFRINIC members are mostly Internet Service Providers (ISPs), governments, educational institutions and end-users located within its service region. By the end of 2020, AFRINIC had 1836 active members.

AFRINIC Members by Membership Category from 2016 to 2020

| Year | LIR | EU | Associate Member | Total Members |
|---|---|---|---|---|
| 2016 | 981 | 445 | 4 | 1441 |
| 2017 | 1058 | 492 | 4 | 1554 |
| 2018 | 1151 | 511 | 4 | 1667 |
| 2019 | 1215 | 545 | 4 | 1760 |
| 2020 | 1285 | 555 | 4 | 1836 |

## IP and ASN Distribution

IPv4 address space distributed = 948,376

IPv6 address space distributed = 89 /32s

ASNs assigned = 194

# Capacity Building

AFRINIC offers comprehensive online support through webinars, e-learning courses and online IPv6 deployment helpdesk. This is in addition to IPv6 certification programmes and IPv6 deployathons conducted throughout Africa and the Indian Ocean in French and English languages.
The department conducted two IPv6 deployathons recording 30 participants. 1,918 professionals participated in 20 webinars. The IPv6 Helpdesk attended to 227 requests. 866 participants in our elearning courses.

# Outreach and Engagement Activities

The COVID-19 pandemic forced us to revise and adapt our strategy to the global situation where most of the initiatives went online. However the COVID-19 didn't stop us from delivering and completing several projects planned.

- The Africa Internet Summit 2020 was held online on 14-18 September 2020, with over 500 attendees
- Supported 12 regional NoGs, IGFs, and technical community events
- Sponsored 16 events
- Participated in 9 Government round table meetings
- Signed 4 MoUs with partners: the Nigerian Communications Commission (NCC), SmartAfrica Secretariat (SAS), Autorité de Régulation de la Poste et de Télécommunication du Congo (ARPTC-DRC) and ISOC-Africa.

# Policies

A lot of policy development activity took place in 2020 with strong participation of community members from within and outside the AFRINIC region.

## 2 policies implemented in 2020

1. Policy  Adjusting IPv6 PA Policy (AFPUB-2019-IPv6-002-DRAFT01)
2. Multihoming not required for ASN ( AFPUB-2019-ASN-001-DRAFT04)

## 7 policies proposed in 2020

- Board Prerogatives on the PDP - AFPUB-2020-GEN-004-DRAFT01
- Simple PDP Update for the New 'Normal' - AFPUB-2020-GEN-003-DRAFT01
- PDP Working Group (WG) Guidelines and Procedures - AFPUB-2020-GEN-002-DRAFT02
- Policy Compliance Dashboard - AFPUB-2020-GEN-001-DRAFT01

- Chairs Election Process - AFPUB-2019-GEN-007-DRAFT02
- RPKI ROAs for Unallocated and Unassigned AFRINIC Address space - AFPUB-2019-GEN-006-DRAFT02
- Resource Transfer Policy - AFPUB-2019-V4-003-DRAFT02

# Technical Services

2020 was a year of challenges especially in the era of the pandemic.

## Working from home

Due to the pandemic, as for many companies that went through lockdown, it was a test for the strength of our infrastructure to support our services. Staff were able to operate normally and systems that were usually used to cater for the dozen of people out of office supported the heavy load of all the staff.

## Resiliency of critical services

Following the deployment in 2019 of a new set of equipment, AFRINIC enhanced the resiliency of critical services. We did so through an increased number of services nodes spread across multiple datacenter locations. As a result a significant decrease of downtown was noticed.

## RPKI - RRDP deployment

In addition to the resiliency of the RPKI repository, AFRINIC implemented the RPKI Repository Delta Protocol (RRDP). We are happy to announce that both RSYNC and RRDP run in parallel. Our community can now connect to the RPKI repository over HTTPS.

## My AFRINIC

New features deployed

### MyAFRINIC v2

AFRNIC has embarked on a project for updating the current version of MyAFRINIC. MyAFRINIC v2 will allow our members to better engage with AFRINIC services and products. We launched a consultative online survey and received feedback from 283 respondents.

### WHOIS

A few security enhancements on WHOIS were deployed.

### Statistics Portal

The Statistics Portal was launched. This has replaced the statistics pages which were on the main website. The Statistics Portal is interactive and allows users to filter as well as drill down to obtain different granularity levels in the graphical representations.

# Research Projects

**Africa Internet Measurement (AIM) Programme:**

AFRINIC signed an MoU with MIRA (Measuring Internet Resilience in Africa). The project will use Internet measurements gathered by specially provisioned measurement devices (called MIRA pods) located in different African countries.

**AFRINIC Research Collaborations (ARC) Programme**

In 2020 we collaborated with the following research and academic institutions for the development of the MIRA project proposal:

* University of Cape Town, ZA

* CMU-Africa

* Simula Research Lab

AFRINIC published three papers based on research work from the 2020 Research Internships.

AFRINIC was actively involved in the organisation of the virtual conference AFRICOMM 2020 together with Middlesex University, Mauritius.

# Finance

Total Membership fee income dropped by 3.6% from $ 5,677,352 in 2019 to $ 5,532,620 in 2020.

Total operating costs for the financial year to December 2020 amounted to $ 3,537K as compared to $ 4,631k for 2019. HR costs continue to dominate total operating costs, accounting for 65% (2018: 51%) of Total Operating Costs.

A net Surplus of $ 2,139K (2019: US$ 1,225K) was recorded for the financial year to 31 December 2020.

Total Reserves reflected a growth of 37.3% (2019: 25.8%), increasing to $ 8,041K from $ 5,857K in 2019.

An additional amount of US$ 1,000K was placed on Fixed Deposit; hence increasing the Strategic Cash Reserves to $ 4,338K.

The Liquidity Ratio continues to improve in the light of the increased closing total cash holdings of $ 9,246K from $ 6,779K in 2019. The Liquidity Ratio stood at 4.3:1 (2019: 4.1:1).

Annual Report AFRINIC's Annual Report 2020 is published at

https://afrinic.net/annual-report/annual-report-2020