AFRICA INTERNET SUMMIT'22

Policy

Implementation

Experience

Report

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ORGANISED BY

AFRINIC
The Internet Numbers Registry for Africa
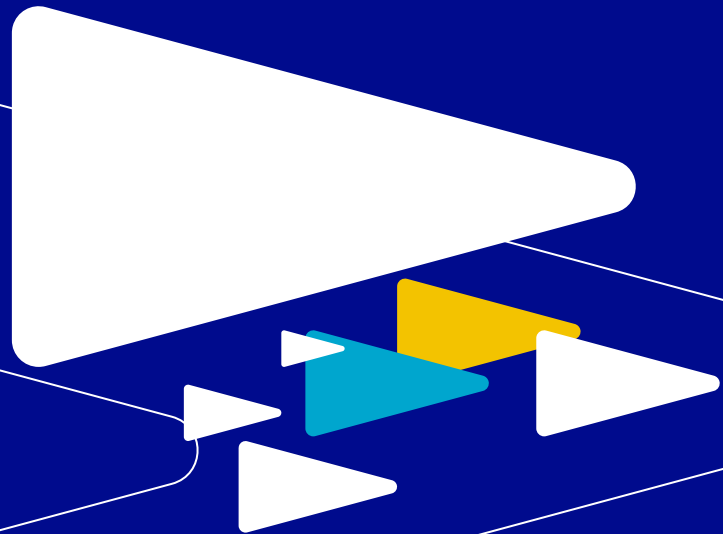
AfNOG
African Network Operators Group

Purpose

Provide feedback to the members and Community regarding:

- Recently Ratified policies

- Consolidated Policy Manual sections - conflicts

- Hostmaster Experiences

Recently Ratified Policies

RPKI ROAs for Unallocated and Unassigned AFRINIC Address Space

(AFPUB-2019-GEN-006-DRAFT03)

- Go live is end of Q4 2022

Status: Ratified, under implementation

ASN uptake trend since policy implementation

In 2020, AFRINIC implemented the "multihoming not required" policy.

The ASN policy states that an organisation is eligible for an ASN if it can fulfil the requirements below:-

- Interconnect (including peering) with at least one AS or planning to be within the following six months.
- Show a unique routing policy or demonstrate a technical need for a coordinated globally unique ASN.
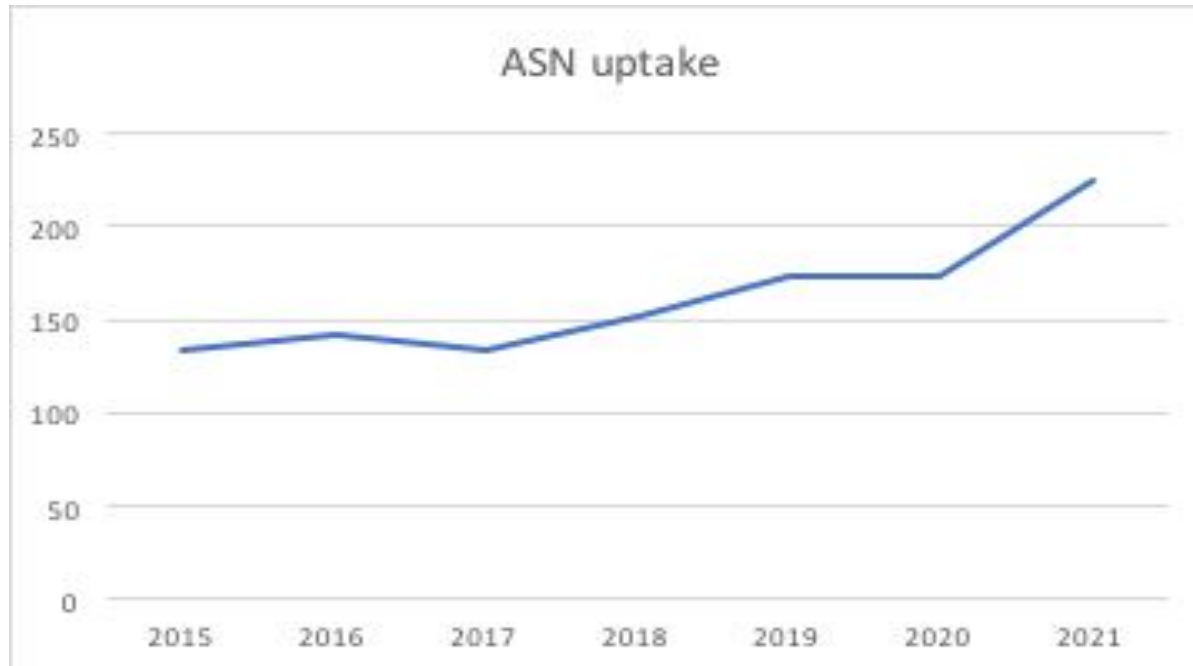
Sections of the CPM that are conflicting

CPM Section 6: IPv6

A) 6.5.1.3. Rectifying the size of initial allocations
B) 6.5.2.1 Subsequent allocation criteria
C) 6.5.2.2 Applied HD-Ratio

Sections of the CPM that are conflicting

A) 6.5.1.3. Rectifying the size of initial allocations

- During IPv6 deployment, if an organization finds that the size of the initial allocation it requested no longer satisfies its needs - submit a new addressing plan to AFRINIC, without having to wait until it can fulfil the requirements for a subsequent allocation.

- The organization will not have to prove utilization thresholds

- The new size will be adjusted according to the new addressing plan as specified in section 6.5.1.2., and will thus qualify for extending the current prefix the necessary number of bits.

Sections of the CPM that are conflicting

B) 6.5.2.1 Subsequent allocation criteria

- Subsequent allocation will be provided when an organization (LIR) satisfies the evaluation threshold of past address utilization in terms of the number of sites in units of /48 assignments.

- An organisation must be at an HD ratio of 0.94 to qualify for additional IPv6 allocation

- The requests undergo an evaluation to check HD ratio in order to determine the eligibility.

- Not eligible for subsequent allocation if the HD ratio of 0.94 is not met.

Hostmaster Experience

EXPERIENCE:

- Failure to reach the required HD ratio of 0.94 to qualify for additional IPv6 allocation, organisations eventually are coming for IPv6 rectifying size of initial allocation

CHALLENGES:

- HD Ratio has been the prior consideration, implementation of section 6.5.1.3 (rectification) has reduced the effectiveness of section 6.5.2.2 (Applied HD-Ratio)

Thank you for your attention!