AFRINIC-38 Public Policy Meeting — 18 November 2026, Cape Town, South Africa

Policy Implementation Experience Report (PIER)

Neelam Matoo Bhorut
IP Number Resource Analyst · Member Services Team
neelam.bhorut@afrinic.net

Today's Agenda

01

What is the PIER?

02

Policy Implementation Status

03

Experiences & Challenges

What is the PIER?

1. **Ratified policies**
   Status and implementation timelines
2. **Implemented policies**
   How they work in practice
3. **Hostmaster experiences**
   Challenges met when handling requests
4. **CPM sections**
   Text that is unclear or that conflicts with other sections

Outcome: the community can ask for clarification, or propose changes through the Policy Development Process (PDP).

02 Policy Implementation Status

Ratified policies under implementation and awaiting implementation

Policies Under Implementation

a RPKI ROAs for Unallocated and Unassigned AFRINIC Address Space

AFPUB-2019-GEN-006-DRAFT03

TIMELINE

Fine-tuning to align with Policy text

b Soft Landing Recovered Space and Priority

AFPUB-2026-IPv4-001-DRAFT02

TIMELINE

31 March, 2027

c Amendment of Utilisation in Soft Landing

AFPUB-2026-IPv4-002-DRAFT02

TIMELINE

27 November, 2026

Policies Awaiting Implementation

1. **Require newly created AS-SETs to have hierarchical names**

   AFPUB-2026-ASN-001-DRAFT02

2. **AFRINIC Number Resources Transfer Policy**

   AFPUB-2020-GEN-006-DRAFT03

3. **Abuse Contact Policy Update**

   AFPUB-2018-GEN-001-DRAFT07

03 Experiences & Challenges

Issues faced by Hostmasters when applying the CPM

1. ASN Eligibility: What the CPM Says

Section 7.2

ELIGIBILITY FOR AN AS NUMBER ASSIGNMENT

"In order to qualify for an AS number, the requesting organization **must be an AFRINIC resource member** and fulfil any of the following requirements:

7.2.1 Interconnect (including peering) with more than one AS.

7.2.2 Show a unique routing policy or demonstrate a technical need for a coordinated globally unique ASN."

Section 7.4

ASSIGNMENT PROCEDURES

"AFRINIC assigns AS Numbers for Autonomous Systems located in the AFRINIC service region and accepts requests from LIRs, non-LIR's members **and non-members** fulfilling the eligibility requirements in Section 7.2 of this document."

Key difference: 7.2 requires **resource membership** - 7.4 also lists **non-members**

ASN Eligibility: First-Time Reader Risk

Contradiction/Risk

First-time readers of Section 7.2 may deduce incorrectly that they are not eligible. Section 7.4 gives a better understanding.

WHAT THEY READ

Section 7.2: the requesting organization "must be an AFRINIC resource member".

WHAT THEY MAY DEDUCE

"I am not a member, so I am not eligible as a new potential requester."

WHAT 7.4 GIVES

A better understanding: AFRINIC accepts requests from LIRs, non-LIR members and non-members.

The risk: a first-time reader, potential member may deduce incorrectly at 7.2, that they may not be eligible for an ASN

2. IPv6 Rectification: What the CPM Says

Two Sections - Same situation where previous block is too small for its needs.

Section 6.5.1.3

RECTIFYING INITIAL ALLOCATION SIZE (LIR · PA)

One option is to:

"Receive a new prefix with the new requested size and renumber their network and return the "original" initial allocation **within 6 months**, or"

Section 6.8.4

RECTIFYING INITIAL ASSIGNMENT SIZE (END USER · PI)

One option is to:

"Receive a new block with the new requested prefix size, with the agreement to utilize the new block for all future deployment and deprecate the old block through attrition, **returning when empty. There is no deadline for return at this time**;"

Key difference: PA must return the old prefix **within 6 months** & PI has **no deadline**

IPv6 Rectification: Inconsistency

INCONSISTENCY

Same situation, two different timelines for returning the old IPv6 prefix.

WHAT WE SEE

- LIR (PA): renumber and return the old prefix within 6 months.
- End user (PI): return the old prefix when empty, with no deadline.

IMPACT

- Members in the same situation are treated differently.
- Hostmasters have no clear point to follow up on an old PI prefix.

QUESTION TO THE COMMUNITY

Staff would welcome the community's views on the different return timelines for PA and PI after rectification.

3. Multi-site End-User PI: What the CPM Says

Concerns the End Users whose networks extend across several sites.

Section 5.3.2

REGISTRATION REQUIREMENTS

"All allocations, PI assignments, PA assignments, sub-allocations and other types of resource assignments will be registered in the AFRINIC database. Any unregistered resources will be considered invalid. The registration data (name, IP block/range, contacts, status, etc..) **must be correct at all times**. This is necessary to support network operations."

Section 6.8.3

PROVIDER INDEPENDENT (PI) ADDRESS SPACE

"The initial provider-independent assignment size for each organization shall be at least a /48 per end site. **If multiple end sites are requested** and will be connected to each other, a nibble-aligned prefix shall be issued sufficient to allow at least one /48 per end-site."

Key difference: Registration must be **correct** - PI can serve **multiple end sites**, but the CPM does not say how each site should be registered.

3. Multi-site End-User PI: Multi-country Challenge

CHALLENGE

We are now seeing larger end users operating multi-site PI networks

ONE COUNTRY

- All sites are in one country.
- The same country and geolocation apply to every site.

SEVERAL COUNTRIES

A bigger problem

- It introduces a challenge.
- Query the block sees a single country attribute while branches in different countries
- Geolocation may place users in the wrong city or country.

- More country an EU operates - Less accurate one country attribute describes them
- Present: Members advised to share geo link

4. Ratified Policy & Policy Under Discussion

CHALLENGE

Both policies seek to amend Section 5.4 differently

AFPUB-2026-IPv4-001-DRAFT02

Soft Landing Recovered Space and Priority

- Ratified by the Board on 25 September 2026
- Soft Landing is final and irreversible
- **Recovered space returns to the "available space" pool after a 12-month quarantine**
- Soft Landing prevails over other CPM sections in case of conflict

AFPUB-2026-IPv4-003-DRAFT01

Dynamic IPv4 Pools Exhaustion Management Framework

- Creates four separate pools: Soft-Landing, Policy-Reserved, Pre-Softlanding and Recovered
- **Recovered space is traced back to its original pool**
- Pre-Softlanding Pool: up to /18 per request (/16 by exception)
- Adds a post-exhaustion waiting list

QUESTION TO THE COMMUNITY

Staff would welcome the community's guidance on how the proposal under discussion should take into account the ratified policy, to avoid conflicting text in Section 5.4.

Your Voice Counts.

Thank You

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Web: af38.afrinic.net

Contact: meeting@afrinic.net