



Policy Implementation Experience Report (PIER)

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**AFRINIC
36**

10 DECEMBER

**ONLINE
2025**

AGENDA



**IPv4 Softlanding
Policy Evolution**

IPv4 Softlanding Policy Evolution

Why PIER?

Experiences faced by hostmasters while handling requests governed by currently implemented policies

Recently Ratified policies and implementation timeline

Sections of the Consolidated Policy Manual that are ambiguous or lacking clarity

Ratified policies that have been implemented

IPv4 Softlanding Policy Evolution

Policy Timelines

07.01.2009

Proposal first posted to the mailing list by PDP-MG chair

21.11.2011

Ratified by Board

31.03.2017

AFRINIC has transitioned to Phase
1

20.01.2020

AFRINIC has transitioned to Phase
2

Softlanding Policy Evolution

Policy Conditions

Phase 1 - Exhaustion

Begins when AFRINIC first needs to assign or allocate IP addresses from the final /8 block of IPv4 address space

Phase 1 Policy Implication

- Minimum /24 for an EU
- Minimum /22 for an LIR
- Maximum of /13

Phase 2 - Depletion

Begins when AFRINIC has no more than one /11 of non-reserved IPv4 space available in the final /8

Phase 2 Policy Implication

Allocation/Assignment size (LIR & End-Users)

- Minimum is /24
- Maximum is /22 per

Softlanding Policy Evolution

Policy Conditions

/12 Reservation

/12 IPv4 address block is reserved by AFRINIC for some future uses, in case some future requirement creates a demand for IPv4 addresses.

If it remains unused by the time the available space has been delegated, it will be returned to the pool for distribution under the conditions of phase 2 of the soft landing policy.

Utilisation threshold

LIR or End User must have used at least 90% of all previous allocations or assignments (Up from 80%)

IPv4 “Needs” Consideration period

allocation and assignment period of 12 months changed to 8 months

Softlanding Policy Evolution

Policy Justification

To ensure a smooth transition to IPv6, AFRINIC's pool should be managed to provide members with address space after the IPv4 pool is depleted. This will help in maintaining IPv4 networks while deploying IPv6 networks

Softlanding Policy Evolution

IPv4 Stats

Softlanding IPv4 Stats



Softlanding Policy Evolution

IPv4 Stats

At the current rate

- Est. ~2 years to deplete 783,872
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- Plus another 3 years or so to deplete the policy reserved 1 Million (/12)

Softlanding Policy Evolution

Hostmasters Observations

- Several members getting $> 8^* /22$ within a calendar year
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Softlanding Policy Evolution

“Food for thought”

- What happens to the 4+ million that have been recovered
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- Automatically go under Softlanding Phase 2 policy conditions?
 - is there need for a new policy?

