



prop-165-v004:
**Provision of IPv4 Address Space to IPv6-
only Networks for Transitional Purpose**

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MUMBAI, INDIA
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IPv6-only is moving from option to destination

Why this proposal matters now

IPv6-Mostly networks

Operators increasingly run IPv6 as the default and retain IPv4 only for the remaining dependencies.

Vietnam: national IPv6-only roadmap

The 2026–2030 programme targets 90–100% IPv6 usage by 2030 and gradual retirement of IPv4.

The last IPv4 dependency can block an IPv6-only deployment

A small operational need, but a real barrier

IPv6-only network



DNS resolvers

Reach IPv4-only destinations



Mail & monitoring

Maintain external interoperability



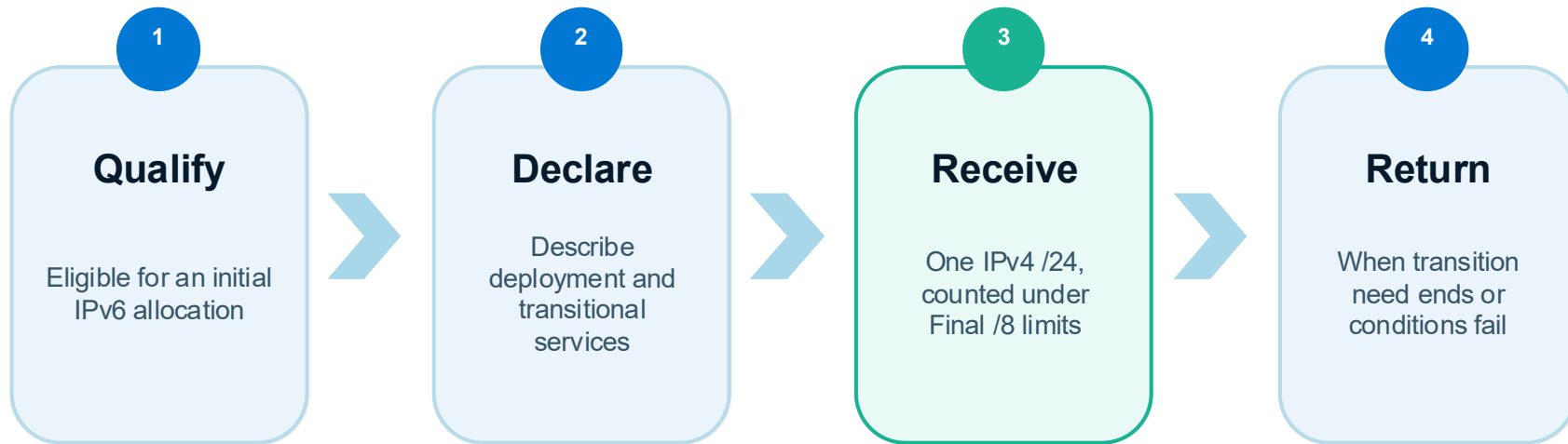
Legacy services

Bridge only what cannot yet move

**Do not let minimal IPv4 needs delay
IPv6-only deployment.**

The proposal in one line

A single /24 for a declared IPv6-only transition need



No detailed host-based IPv4 justification

Verification without continuous monitoring

Evidence only when reasonably necessary

IPv6-only Deployment Declaration

✓ Deployment description

✓ Transitional services

✓ Acceptance of conditions



Supporting evidence

• IPv6-capable equipment

• IPv6 services in operation

• Updated declaration at review

Declaration-based review, not technical inspection

Strong safeguards for the remaining IPv4 pool

ONE /24

Maximum per organisation

FINAL /8

Counts toward existing entitlement

NO TRANSFER

No reassignment to another organisation

REVIEW & RETURN

Confirm need and return when no longer required

FIXED RESERVE

Stop new delegations when:

- remaining IPv4 address pool is expected to last less than six months, or
- pre-defined address block (such as a /15) has been fully exhausted.

What we ask from the community

Support a small bridge that accelerates the larger transition

Enable

IPv6-only deployment

Conserve

the remaining IPv4 pool

Sunset

before the reserve is consumed

Support prop-165-v004

Questions & discussion

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