

# RIR Policy Update

NIR SIG

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# RIR New policies comparison

# IPv4 policy proposals

<b>Policy</b>	<b>RIR</b>	<b>Status</b>
12 Month Allocation Period	AfriNIC LACNIC RIPE	Adopted Adopted Adopted
PI Assignment Size (/24 minimum for multi-homing network)	AfriNIC ARIN RIPE	Adopted Abandoned Under discussion
Whois privacy	LACNIC	Abandoned
Increase AW to /21 to LIR after 6 months	RIPE	Adopted

# IPv4 policy proposals

<b>Policy</b>	<b>RIR</b>	<b>Status</b>
Direct assignments to end user	RIPE	Under discussion
Change in assignment for any casting DNS	RIPE	Under discussion
eGLOP Multicast address space	APNIC ARIN LACNIC	Discussion at APNIC 24 Abandoned Abandoned
IPv4 count down	APNIC ARIN LACNIC RIPE	Discussion at APNIC 24 Abandoned Abandoned Under discussion

# IPv4 policy proposals

<b>Policy</b>	<b>RIR</b>	<b>Status</b>
Global policy for the allocation of the remaining IPv4 address space	AfriNIC	Under discussion
	APNIC	Discussion at APNIC 24
	ARIN	Under discussion
	LACNIC	Reached consensus
	RIPE	Under discussion
IPv4 soft landing	APNIC	Discussion at APNIC 24
	ARIN	Under discussion

# IPv6 policy proposals

<b>Policy</b>	<b>RIR</b>	<b>Status</b>
HD-ratio to 0.94	AfriNIC	Adopted
	APNIC	Adopted
	ARIN	Adopted
	LACNIC	Adopted
	RIPE	Under discussion
Amend IPv6 assignment and utilisation requirements (/56)	APNIC	Adopted
	ARIN	Adopted
	LACNIC	Abandoned
	RIPE	Under discussion
Removal of “Interim” from policy document	APNIC	Discussion at APNIC 24
	ARIN	Adopted
	LACNIC	Reached consensus

# IPv6 policy proposals

<b>Policy</b>	<b>RIR</b>	<b>Status</b>
Provider-independent assignments for end users	AfriNIC ARIN LACNIC RIPE	Adopted (/48) Adopted (/48) Reached consensus (/32) Under discussion (/32)
Change initial allocation criteria	AfriNIC APNIC ARIN LACNIC RIPE	“Show a reasonable plan” Discussion at APNIC 24 Under discussion “Documented details plan” Removal 200* /48 & end site
ULA central	AfriNIC APNIC LACNIC RIPE	Under discussion Discussion at APNIC 24 Under discussion Waiting for IETF

# Autonomous System numbers

<b>Policy</b>	<b>RIR</b>	<b>Status</b>
IANA policy for allocation of ASN blocks to RIRs	APNIC	Discussion at APNIC 24
	ARIN	Under discussion
	LACNIC	Reached consensus
	RIPE	Under discussion
	AfriNIC	Under discussion



# APNIC recent policy implementations

## prop-041: IPv6 assignment size to critical infrastructure

- Changed from “minimum /32” to “maximum /32”.
- Implemented 18 Dec 2006.
- Note: Critical infrastructures include root DNS, gTLD, ccTLDs, IANA, RIRs and NIRs.

## prop-032: Four-byte ASNs

- 1 January 2007
  - APNIC delegates 4-byte AS numbers when requested.
  - Else, a 2-byte only AS number will be allocated by default.
- 1 January 2009
  - APNIC delegates 2-byte only AS numbers when requested.
  - Else, a 4-byte only AS number will be allocated by default.
- 1 January 2010
  - No distinction between 2-byte and 4-byte AS numbers.
- Assigned 2 and allocated 10

## prop-038: Amending APNIC's lame DNS reverse delegation policy

- Implemented 1 Jan 2007.
- Modifies APNIC's existing method for identifying and removing lame DNS reverse delegations by adopting a definition of lameness that is consistent with generally-accepted best practice and other RIRs (where relevant).

prop-033: End site assignment policy for IPv6

prop-031: APNIC IPv6 utilisation requirement

- Implemented 9 Mar 2007.
- Now you can assign /64 to /48 to your customer network depends on their requirement.
- Measurement unit changed from /48 to /56.
- HD ratio changed from 0.8 to 0.94

## prop-035: IPv6 portable assignment for multihoming

- Implemented 9 Mar 2007.
- An organisation is eligible to receive a portable assignment from APNIC if it:
  - is currently multihomed with provider-based addresses, or demonstrates a plan to multihome within three months and,
  - agrees to renumber out of previously assigned IPv6 address space.

# Thanks!