Policy update – APNIC and other RIR regions

Policy SIG

6 September 2007

APNIC 24 / SANOG 10, New Delhi, India

Srinivas Chendi

APNIC

Overview

- APNIC policy implementation update
- Global policy update
  - IPv4 policy proposals
  - IPv6 policy proposals
  - AS number policy proposal
- References

APNIC policy implementation update

- prop-033: End site assignment policy for IPv6 (including prop-031)
- prop-035: IPv6 portable assignment for multihoming
- prop-032: Four-byte ASNs

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-33: End site assignment policy for IPv6 (including prop-031)

- **prop-031**
  - Amend the IPv6 HD ratio from 0.8 to 0.94

- **prop-033**
  - Remove the minimum assignment size of /48 for an end site
    - If only one subnet is anticipated for an end site, the minimum assignment size should be /64
  - Utilisation of IPv6 address space measured on /56 boundary.

- Implemented 9 March 2007

prop-035: IPv6 portable assignment for multihoming

- Allows end sites that currently multihome or plan to multihome to receive a portable assignment of minimum /48
- Implemented 9 March 2007
- Assigned 3 (1*/47 & 2*/48)

Global policy update

IPv4 policy proposals

Policy	RIR	Status
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

Policy	RIR	Status
Direct assignments to end user	RIPE	Under discussion
Change in assignment for any casting DNS	RIPE	Withdrawn
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

Asia Pacific Network Information Centre

APNIC

IPv4 policy proposals

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

IPv6 policy proposals

Policy	RIR	Status
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

Policy	RIR	Status
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" Removed 200 and changed end site definition
ULA central	AfriNIC APNIC LACNIC RIPE	Under discussion Discussion at APNIC 24 Under discussion Under discussion

Asia Pacific Network Information Centre

APNIC

Autonomous System numbers

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

Policy proposal references

- ## AfriNIC:
  http://www.afrinic.net/policy.htm
- ## ARIN:
  http://www.arin.net/policy
- ## APNIC:
  http://www.apnic.net/policy/proposals
- ## LACNIC:
  http://lacnic.net/en/politicas/index.html
- ## RIPE:
  http://www.ripe.net/ripe/policies/proposals/