

Implementation Update

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APNIC Policy SIG Meeting

Thursday, 25 February 2016



Implementations since APNIC 40

- prop-113 - Modification in the IPv4 eligibility criteria
- prop-114 - Modification in the ASN eligibility criteria
- Both implemented on 10 February 2016

APNIC 40



prop-113: Modification in the IPv4 eligibility criteria

Proposal:

- An organization is eligible if it
 - Currently it is multihomed
 - Currently utilizing min /24 from provider (ISP) and intends to multihome
 - Planning to multihome and advertise the prefix within 6 months

Documentation:

- An organization is eligible to receive an IPv4 delegation if:
 - it is currently multihomed, or
 - it is currently using at least a /24 from its upstream provider and intends to be multihomed, or
 - it intends to be multihomed, and advertise the prefixes within 6 months
- Organizations requesting a delegation under these terms must demonstrate that they are able to use 25% of the requested addresses immediately and 50% within one year.



prop-114 - Modification in the ASN eligibility criteria

Proposal:

- An organization is eligible for an ASN assignment if:
 - they are currently multi-homed OR
 - have previous allocated provider independent address space by APNIC and intend to multihome in the future

Documentation:

- An organization is eligible for an ASN assignment if:
 - it is currently multihomed, or
 - it holds previously-allocated provider independent address space and intends to multihome in the future.
- An organization will also be eligible if it can demonstrate that it will meet the above criteria upon receiving an ASN (or within a reasonably short time thereafter).
- Requests for ASNs under these criteria will be evaluated using the guidelines described in [RFC1930](#) 'Guidelines for the creation, selection and registration of an Autonomous System' (AS).



A couple more things...



APRICOT2016

APNIC 41

#apricot2016

AUCKLAND, NEW ZEALAND 15 – 26 February 2016



RIPE NCC Inter-RIR Transfer policy

- Implemented on 1 October 2016
- APNIC can now transfer
 - IPv4 with ARIN region, and
 - IPv4 and ASN with RIPE region
- Document RIPE 644
 - <https://www.ripe.net/publications/docs/ripe-644>
- See
 - <https://www.apnic.net/inter-rir>



Documentation Update

- Project to provide Change Log for document archive
 - Archive is on ftp and listed by document number
 - Make more access from the website
 - Provide description of change to each version
- Objectives:
 - Provide greater transparency
 - Make archive more accessible
 - Make analysis easier for staff (me)
 - First step before work on Proposal Status pages



New change log

Document Number	Date	Text Format	Change Log	Description
apnic-086-v001	21 December 2001	Archive version		This document obsoletes apnic-076-v001.
apnic-086-v002	19 May 2002	Archive version	View changes	This document changes marks apnic-086 as fully implemented.
apnic-086-v003	29 November 2002	Archive version	View changes	Recognizes the formation of <u>LACNIC</u> . Adds sub-allocation by <u>LIRs</u> and assignments for Critical Infrastructure.



Mark-up of changes

9.3 Criteria for initial allocation

To be eligible to obtain an initial allocation, an LIR must:

- * have used a /22 from their upstream provider or demonstrate an immediate need for a /22;
- * have complied with applicable policies in managing all address space previously allocated to it;
- * demonstrate a detailed plan for use of a /21 within a year; and
- * commit to renumber from previously deployed space into the new address space within one year.

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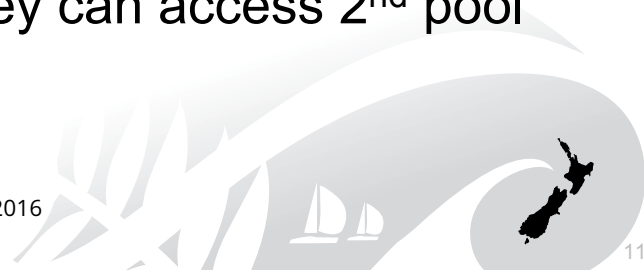
IANA Returns Pool depleting

- The non-/103 pool is for second /22
 - At APNIC 40 we reported this pool will exhaust soon
- More IANA space each March and September
 - 1 March 2016 additional /15
 - 1 September 2016 additional /18
- Recovered blocks go into this pool
 - Some /103 space placed back into /103 pool
 - Already delegated, so will top up recovered pool



IANA Returns Waiting List

- Waiting List - proposed on the SIG mailing list
 - Secretariat has begun preparations
 - Strict order of request – NIR Members
 - We propose waiting list is public
- We will post more detail on web site & mailing list
- Need to think about Final /8 exhaustion
 - Policy says Members must use this before they can access 2nd pool
 - If 1st pool is empty can they access 2nd pool?



APNIC 34 Policy

- prop-101: Removing multihoming requirement for IPv6 portable assignments



prop-101: Removing multihoming requirement for IPv6 portable assignments

Aims:

- Remove multihoming requirement from IPv6 assignment policy

Proposal:

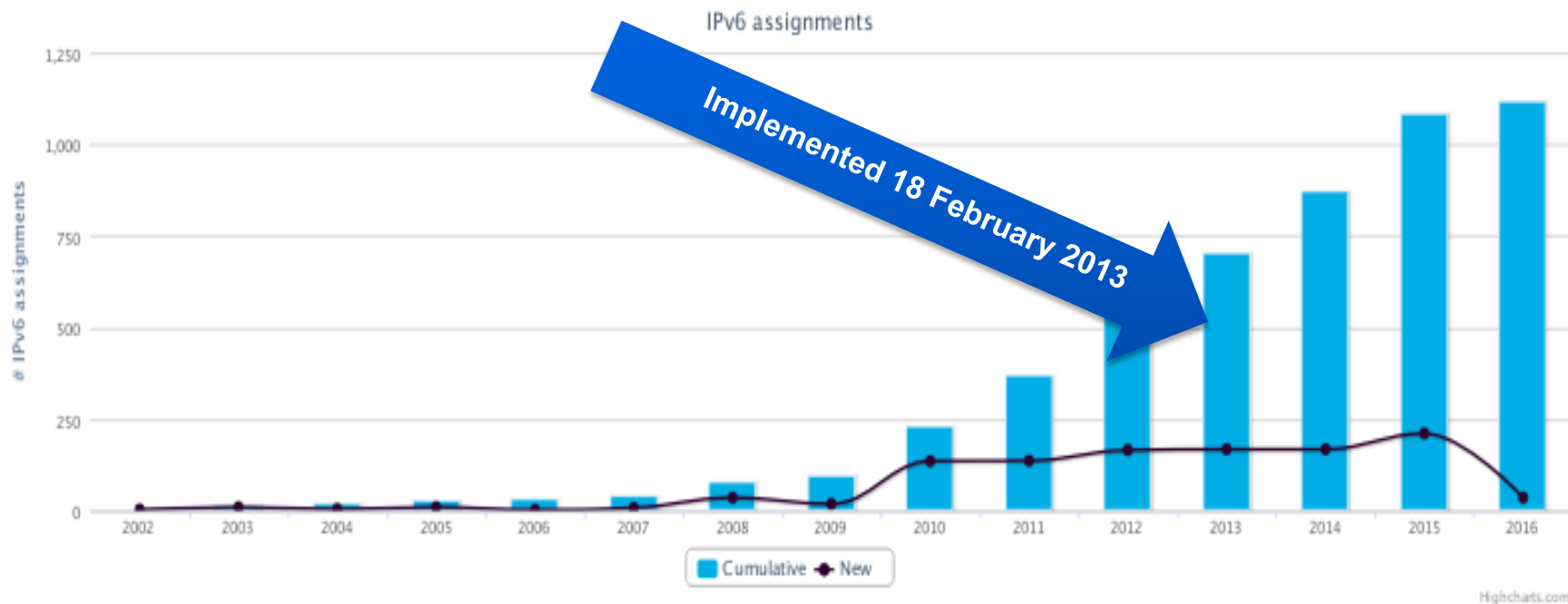
- Available to those with existing IPv4 assignment, or
- A reasonable technical justification

Status:

- Reached consensus at APNIC 34. Implemented. Community asked for reports.



Trend and Cumulative



<http://www.apnic.net/publications/research-and-insights/ipv6-assignments>

Thank you?

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