Address Policy WG

May 9, 2007

RIPE 54, Tallinn, Estonia

please remember: this session is webcast

Welcome to the Address Policy WG

Chairs:

Gert Döring

GERT-RIPE

Hans-Petter-Holen

HPH2

Andrea Borgato

AB318

Announcements

This session is being webcast

so: please use **the** microphones, and clearly state your name and organization

The RIPE NCC Resource Analysts ask you to visit the RIPE NCC service center, and ask all questions you have on your heart...

APWG Agenda

A. Administrative Matters
- Selecting (thanking) the scribe
- approving the minutes from RIPE 53
- agenda bashing

B. (s)election of a new APWG Co-Chair

C. statistics from the NCC registration services (Alex le Heux)

D. Address Policy Proposals in the RIPE Region
- D.1 Concluded Protocols (overview)
- D.2 Ongoing Protocols (overview and discussion)
- D.3 NEW proposals since R53 (presentation & discussion)

Z. AOB

2006-06: IPv4 Maximum Allocation Period

- Author: Axel Pawlik
- Policy type: New
- The RIPE NCC to allocate enough address space to LIRs to meet their needs for a period of up to 12 months.
- Status: Accepted
- http://www.ripe.net/ripe/policies/proposals/2006-06.html

2006-07: First Raise in IPv4 Assignment Window Size

- Author: Leo Vegoda
- Policy type: Modify
- Assignment Window (AW) available to new LIRs should automatically be raised from zero (0) to /21 (2,048 IPv4 addresses) six months after they receive their first allocation.
- Keep max sub-allocation size at /20
- Status: Accepted
- http://www.ripe.net/ripe/policies/proposals/2006-07.html

2006-04: Contact e-mail Address Requirements

- Author: Jeffrey L. Scribner
- Policy type: Modify
- Change “Registration Requirements”

  ...Registration data (range, contact information, status etc.) must be correct at all times (i.e. they have to be maintained).

- To

  ...Registration data (range, contact information, status etc.) must be correct at all times (i.e. they have to be maintained). Every organisation controlling an IP address should provide at least one working contact e-mail address where notifications of abuse emanating from that IP address can be sent.

  All persons and organisations assigned an IP address should act to prevent abusive messages originating from that IP address.

- Status: Withdrawn
- http://www.ripe.net/ripe/policies/proposals/2006-04.html

Ongoing Proposals

2005-08 : Amend IPv6 Assignment and Utilisation Requirement

- Author: Kurtis Lindqvist & Geoff Huston
- Policy type: Modify (IPv6 Allocation and Assignment Policy)
- Change
  - the existing policy regarding LIR and ISP assignments to End Sites to allow the unit of assignment to be an LIR or ISP decision.
  - the definition of an End Site for the purposes of the calculation of ISP or LIR End Site allocation efficiency to a /56 size.
  - the IPv6 threshold End Site allocation utilisation level relating to assessment of utilisation of End Site allocation efficiency to that matching an HD Ratio value of 0.94.
- Status: Review Phase (Ended on 25 January 2007)
- http://www.ripe.net/ripe/policies/proposals/2005-08.html

2006-02 : IPv6 Address Allocation and Assignment Policy

- Author: Jordi Palet Martinez
- Policy type: Modification (on IPv6 criteria)
- Change
  - End Site Definition to:
    - An End Site is defined as an End User (subscriber) who has a business or legal (same or associated entities) relationship with a service provider that…
  - Initial allocation criteria to
    a) be an LIR;
    b) advertise the allocation that they will receive as a single prefix if the prefix is to be used on the Internet;
    c) have a plan for making sub-allocations to other organisations and/or End Site assignments within two years.
- Status: Review Phase (Ends on 31 May 2007)
- http://www.ripe.net/ripe/policies/proposals/2006-02.html

2006-01 : Provider Independent (PI) IPv6 Assigments for End Users

- Author: Jordi Palet Martinez
- Policy type: New
- Criteria:
  - become a RIPE NCC member or have a similar contractual relation with the RIPE NCC (to be defined by the board)
  - Assignment size = /32 minimum
  - Temporary assignment (maximum 3 years)
- Status: Discussion Phase (Ended on 2 October 2006)
- http://www.ripe.net/ripe/policies/proposals/2006-01.html

2006-05 : (IPv4) PI Assignment Size

- Author: Philip Chr. Laustsen Langelund
- Policy type: New
- Sets the minimum assignment size to a /24 when routing is a major issue for a multihoming End User.
- Status: Review Phase (Ended on 14 March 2007)
- http://www.ripe.net/ripe/policies/proposals/2006-05.html

New Proposals since RIPE 53

2007-01: Direct Internet Resource Assignments to End Users from the RIPE NCC

- Author: Nick Hilliard
- Policy Type: New & Modify
- New:
  - A contractual relationship between an End User and the RIPE NCC to be established before the End User receives Internet number resources (ASNs, PI, IPv6 IXP, Anycasting assignments) directly from the RIPE NCC.
- Modify:
  - Text to have PI not to be sub-assigned more explicitly
- Status: Discussion Phase (Ends on 17 May 2007)
- http://www.ripe.net/ripe/policies/proposals/2007-01.html

2007-02: Change in IP Assignments for Anycasting DNS Policy

- Author: Tobias Cremer
- Policy Type: Modify
- No longer be a requirement to be a ccTLD or a gTLD to receive IPv4 and IPv6 assignments for anycasting DNS.
- New requirements based on:
  - UDP datagram size
    - The number of name servers or IP addresses for these name servers in the delegation exceeds eight and that without anycasting the zone size exceeds the UDP datagram size.
  - Geographical diversity
- Status: Discussion Phase (Ends on 21 May 2007)
- http://www.ripe.net/ripe/policies/proposals/2007-02.html

2007-03: IPv4 Countdown Policy

- Author: Maemura Akinori and Co-authors
- Policy Type: New
- Four general principles
  - Global Synchronisation
  - To set and announce the date when the allocation is terminated
  - Not to change the current address policy stricter for the extension of IPv4 address lifetime
  - Separate discussions on "Recycle" issue
- Status: Discussion Phase (Ends on 22 May 2007)
- http://www.ripe.net/ripe/policies/proposals/2007-03.html

2007-04: IANA Policy for Allocation of ASN Blocks to RIRs

- Author: RIRs
- Policy Type: New
- Allocations in blocks of 1024 ASNs
- The RIR receives new block(s)
  - If assigned 80% of the previously received ASN block OR
  - The number of free ASNs held by the RIR is less than two months need.
- As many ASN blocks as are needed to support the registration needs for the next 12 months
- 2-byte and 4-byte blocks are to be evaluated separately until December 2009.
- Status: Discussion Phase (Ends on 29 May 2007)
- http://www.ripe.net/ripe/policies/proposals/2007-04.html

2007-05: IPv6 ULA-Central

- Author: Jordi Palet Martinez
- Policy Type: New
- The ULA-central block is within the prefix FC00::/7, with bit 8 set to 0
- Any organisation or individual requiring a /48 from the ULA-Central block will be able to get it assigned, once the relevant contract is executed and related membership fees are paid (to be determined by the board).
- ULA prefix (FC00::/7) it is not routable in the global Internet and consequently must be filtered.
- Status: Discussion Phase (Ends on 30 May 2007)
- http://www.ripe.net/ripe/policies/proposals/2007-05.html

Informal Proposal

- Authors: Piotr Strzyzewski, Jakub Jermak, Adam Osuchowski
- Seeking feedback for a future proposal
- If an LIR is holding more than 1 ASN,
  - To receive further allocation before reaching the HD-ratio
  - Having de-aggregation possibility in 1st allocation criteria if the prefix is shorter than a /32

All Formal Proposals

- Current
  - http://www.ripe.net/ripe/policies/proposals/
- Archive
  - http://www.ripe.net/ripe/policies/proposals/archive/