AP WG Policy Proposals Overview

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Overview

- **Concluded**

    - IANA Policy for Allocation of IPv6 Blocks to RIRs (2005-09)

- **Ongoing**

    - IPv4-HD-Ratio (2005-01)

    - IP Assignments for anycasting DNS (2005-02)

    - IPv6 Initial Allocation Criteria (2005-03)

    - Amend the IPv6 Assignment and Utilisation Requirement (2005-08)

    - 4 Byte AS numbers (2005-12)

    - Provider Independent (PI) IPv6 Assignments for End User Organisations (2006-01)

- **Withdrawn**

    - IPv6 Address Allocation and Assignment Policy - definition for "End-Site" (2005-4)

IANA Policy for Allocation of IPv6 Blocks to RIRs (2005-09)

- Author: Hans Petter Holen

- Proposal type: New

- Proposal for IANA to RIR allocations

- Initial allocation to RIR: /12

- Additional Allocation:

  - when 50% of a /12

  - less than the established NECESSARY SPACE

  - Where
    NECESSARY SPACE = AVERAGE NUMBER OF ADDRESSES ALLOCATED MONTHLY DURING THE PAST SIX MONTHS * LENGTH OF PERIOD IN MONTHS

- Phase: Concluded – Consensus reached, document published

IPv4-HD-Ratio (2005-01)

- Author: Alain Bidron

- Proposal type: Modify (further IPv4 allocation criteria)

- Change

  - new IPv4 block when ~80% usage

- To

  - new IPv4 block when usage meets the HD-Ratio value of 0.96

- Phase: Review

- http://www.ripe.net/ripe/policies/proposals/2005-1.html

IP Assignments for anycasting DNS (2005-02)

- Author: Andreas Baess

- Proposal type: New

- For ccTLD and gTLD operators doing anycasting

- Assign

  - one /24 IPv4 prefix and/or

  - one /48 IPv6 prefix per operator

- Phase: Discussion

- http://www.ripe.net/ripe/policies/proposals/2005-2.html

IPv6 Initial Allocation Criteria (2005-03)

- Author: Andy Furnell

- Proposal type: Modify (IPv6 Initial Allocation criteria)

- Keep
  - a) be an LIR;
  - b) not be an End Site;

- Change
  - "c) plan to provide IPv6 connectivity to organisations to which it will assign /48s by advertising that connectivity through its single aggregated address allocation"

- To
  - "c) plan to provide IPv6 connectivity to organisations and customers to which it will make assignments by advertising that connectivity through its single aggregated address allocation"

- And remove
  - "d) have a plan for making at least 200 /48 assignments to other organisations within two years."

- Phase: Discussion

- http://www.ripe.net/ripe/policies/proposals/2005-3.html

Amend the IPv6 Assignment and Utilisation Requirement (2005-08)

- Author: Kurtis Lindqvist & Geoff Huston

- Proposal type: Modify (IPv6 Assignment and Further Allocation criteria)

- 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.

- Phase: Discussion

- http://www.ripe.net/ripe/policies/proposals/2005-08.html

4-Byte AS Numbers

- Author: Geoff Huston

- Proposal type: New

- 1 January 2007: RIRs start to process applications for 4-byte only ASNs

- 1 January 2009: RIRs start assigning 4-byte only ASNs

  - 2-byte only ASNs will be assigned if asked specifically

- 1 January 2010: RIRs start assigning ASNs from an undifferentiated 4- byte AS Number allocation pool

- Phase: Discussion

- http://www.ripe.net/ripe/policies/proposals/2005-2.html

Provider Independent (PI) IPv6 Assignments for End User Organisations (2006-1)

- Author: Jordi Palet Martinez

- Proposal type: New

- Direct IPv6 assignments to End User Orgs

- Minimum assignment size: /32

- Phase: Discussion

- http://www.ripe.net/ripe/policies/proposals/2006-01.html

All Proposals

- Current

  - http://www.ripe.net/ripe/policies/proposals/

- Archive

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

Thank You