

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- Withdrawn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