AUTHORS DATA:

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PROPOSAL DATA:

Policy Proposal Title: Internet Assigned Numbers Authority (IANA) Policy for Allocation of ASN Blocks (ASNs) to Regional Internet Registries.

Policy Proposal Type: Global Expedite
Id (if exist): 2009-08
Version: 1.0

Proposal Summary: According to the current Global Policy for Allocation of ASN Blocks to Regional Internet Registries, IANA will cease to make any distinction between 16 bit and 32-bit only ASN blocks by 31 December 2009, when making allocations to RIRs. This proposal is to extend this date by one year, to 31 December 2010.

Rationale: Due to operational issues external to the IANA/RIR policy process, 32-bit only ASNs are not being issued by the RIRs at the anticipated rate. As it stands, RIRs will likely not be able to justify a new block of ASNs from the IANA after 31 December 2009 due to a glut of free 32 bit only ASNs in the RIR s pool. This leaves available, essential 16-bit ASNs stranded in the IANA free pool. This proposal seeks to remedy the potential problem by extending the deadline for differentiation by one year.

With this proposal the policy will be aligned with the actual reality in regards to 32-bit ASN deployment and usage.

The subject was raised during RIPE 58 and a presentation was made:

http://www.ripe.net/ripe/meetings/ripe-58/content/presentations/asn32-take-up-report.pdf

The feedback in this session suggested that a global policy proposal should be developed and should be discussed.

Proposal Text: Current Policy Text (Global Policy for Allocation of ASN Blocks to Regional Internet Registries):

(Note from LACNIC Staff: This policy text is located in section 8.4 of the LACNIC Policy Manual)

8.4.1. Allocation Principles

IANA allocates ASNs to RIRs in blocks of 1024 ASNs. In this document the term "ASN block" refers to a set of 1024 ASNs. Until 31 December 2009, allocations of 2-byte only and 4-byte only ASN blocks will be made separately and independent of each other [1].

This means until 31 December 2009, RIRs can receive two separate ASN blocks, one for 2-byte only ASNs and one for 4-byte only ASNs from the IANA under this policy. After this date, IANA and the RIRs will cease to make any distinction between 2-byte only and 4-

byte only ASNs, and will operate ASN allocations from an undifferentiated 4-byte ASN allocation pool.

[1] Various regional 4-byte ASN policies, including:

http://www.afrinic.net/docs/policies/afpol-asn200708.htm

http://www.apnic.net/policy/proposals/prop-032-v002.html

http://www.ripe.net/ripe/policies/proposals/2005-12.html

Proposed Policy Text:

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[1]
16-bit ASNs are the AS Numbers in the range: 0 - 65535
32-bit only ASNs are the AS Numbers in the range: 65536 - 4294967295
32-bit ASNs are the AS Numbers in the range: 0 - 4294967295

ADDITIONAL INFORMATION:

Timetable:
Working Group:
Related Previous Proposals:
References:
[1] Various regional 4-byte ASN policies, including:
http://www.afrinic.net/docs/policies/afpol-asn200708.htm
http://www.apnic.net/policy/proposals/prop-032-v002.html
http://www.ripe.net/ripe/policies/proposals/2005-12.html
Changelog: