RIPE Policy Development Process

With Current Policy Discussions

Overview

- RIPE

- RIPE Policy Development Process

- Current Issues

  - IPv4 Depletion

  - IPv6 and within-IPv4 Solutions

RIPE

- Folks in Europe talking about TCP/IP vs OSI

- 14 of them coming together in May 1989

- Operational coordination of IP networks

- Not a legal entity, no formal membership

- No voting, *consensus* is the magic word

- Has a chairman

- Work is done in Working Groups
  - There may be Task Forces (TFs)

RIPE

- RIPE WGs (http://www.ripe.net/ripe/wg/index.html)
  - Address Policy
  - Anti-Abuse
  - Cooperation
  - Database
  - DNS
  - EIX
  - ENUM
  - IPv6
  - RIPE NCC Services
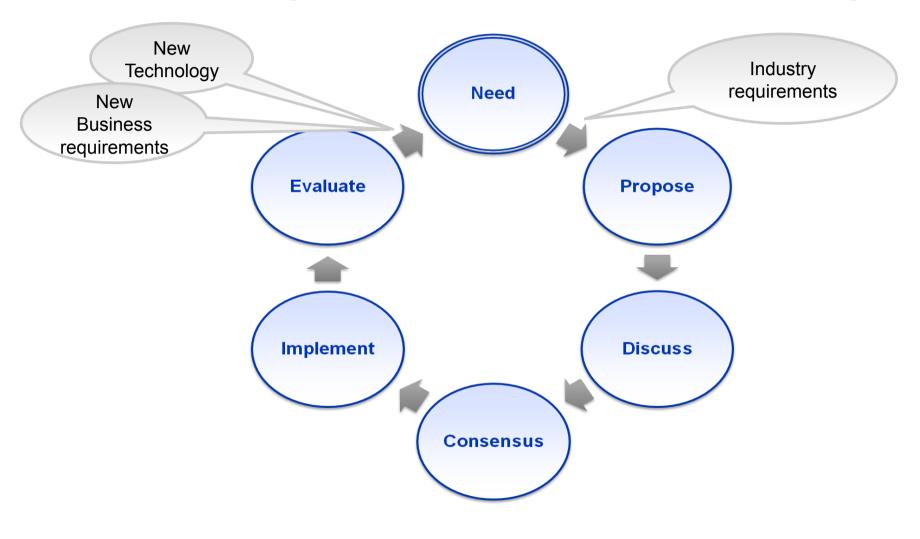 - Routing
  - Test-Traffic

RIPE

- Current TFs (http://www.ripe.net/ripe/tf/)
  - Data Protection
  - Certification
  - DNSSEC Key Repository

Policy Development Process:
Community's Answer to demand for change

RIPE PDP Principles

- Open
  - Anyone can participate
    - Only requirement is having an e-mail address
  - Mailing lists
  - Policy meetings

- Transparent
  - Mailing lists archived
  - Meetings scribed

- Developed Bottom-up
  - By the Internet Community

- Documented
  - RIPE Policy Documents

PDP Summary

- Industry environment and business requirements change

- PDP is there to meet this demand for change

- Policy specifics change

- Principles remain static

- Many policies stayed stable since the beginning

RIPE PDP Current Issues

- IPv4 depletion

- Policy solutions

  - Increase incentives for IPv6

  - Get ready for IPv4 afterlife

IPv6

- Proposal 2006-02: IPv6 for LIRs

- IPv6 Allocation criteria altered

  - No more requirement for assignments to *others*

  - No more requirement for 200 customers

- New End Site definition

  - LIRs internal assignments count as End Site

- Plan to make sub-allocations to others or assignments to End Sites

IPv6

- Proposal 2006-01: IPv6 PI for End Users

- Be multihomed

- Minimum /48

- Designated block to facilitate filtering practices

Currently under discussion

- Proposal 2009-06:

  - Removing routing requirements from the policy

- Proposal 2009-08:

  - IPv6 PI Assignments for LIRs

Global Perspective: End of IPv4 free pool

- Global Policy for the Allocation of the Remaining IPv4 Address Space (2008-03)

  - Accepted by all regions and documented

    - http://www.ripe.net/ripe/docs/ripe-436.html

  - ICANN ratified

  - Distribute the last 5 /8s evenly among RIRs (N=1)

- Global Policy for the allocation of IPv4 blocks to Regional Internet Registries (2009-01)

  - After IANA pools run out

  - Dealing with returned space

  - Under discussion

RIPE Regional: Getting ready…

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

  - Contractual relationship for all independent number resources to an End User

  - Have a contract with
    - a sponsoring LIR **or**
    - the RIPE NCC

  - Applies to previously made assignments
    - Excluding Legacy (pre-RIR) registrations

  - Accepted and (being) implemented in Phases
    - http://www.ripe.net/ripe/docs/ipv4-policies.html
    - http://www.ripe.net/ripe/docs/contract-req.html

Transfers

- Enabling Methods for Reallocation of IPv4 Resources (2007-08)

  - IPv4 Exhaustion

  - Applies only to IPv4 PA allocations

  - Only within the RIPE region

  - Similar concept accepted in ARIN and APNIC

  - Accepted and implemented

    - http://www.ripe.net/ripe/docs/ipv4-policies.html

Currently under discussion

- Usage of Last /8 (2008-06)

  - Framework for the usage of the very last block

  - Everyone knows what to expect

- IPv4 Allocation and Assignments to Facilitate IPv6 Deployment (2009-04)

  - Reservations for NATs

Currently under discussion

- Ensuring efficient use of historical IPv4 resources (2008-07)

  - Efficiency in old registrations

- Run out Fairly (2009-03)

  - Gradual reduction on the allocation and assignment periods

  - Avoid a very large request pre-empting others

Conclusion

- Increase IPv6 deployment

  - Easier access to resources

  - Raise awareness

- Get ready for IPv4 afterlife

  - Minimise the impact

  - Increased contact to space holders

  - Increased efficiency in usage

  - Enabling usage of allocated but unused space

  - Pre-RIR blocks to be included in the system

  - Focus on fairness and responsible stewardship

References

- RIPE PDP
  - http://www.ripe.net/ripe/docs/pdp.html

- Document Store
  - http://www.ripe.net/ripe/docs/

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

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

- Address Policy WG Mailing list
  - http://www.ripe.net/ripe/maillists/archives/address-policy-wg/

- Policy Announce Mailing List
  - http://www.ripe.net/ripe/maillists/archives/policy-announce/

Questions?