# RIPE 2007-01 and 08 Charging Changes

Nigel Titley

# Outline

- RIPE Policy Development Process
- Policy 2007-01
- Policy 2007-08
- Conclusions

# Policy Development Process

- Creation
  - Draft proposal, usually after discussion on mailing list.
  - Submit to Chair of appropriate WG
- Discussion
  - Mailing list
  - Maximum of 4 weeks
  - Proposer and WG Chair decide whether to move on to next phase.

# Policy Development Process (2)

- Review
  - Appropriate RIPE document is drafted
  - Resubmitted to the WG
  - If consensus then move to next phase else go back to discussion phase (or abandon)
- Conclusion
  - Final call
  - Acceptance by WG Chairs Collective (who merely decide if the process has been properly followed)

# Policy 2007-01

- Direct Internet Resource Assignments to End Users from the RIPE NCC
- Features
  - PI address space may be assigned directly to end users
  - Such end users need to have a direct or indirect contractual relationship with the RIPE NCC
  - Retrospective (but not ERX or IANA assigned)

# Policy 2008-01 (2)

- Implications
  - All PI holders need to be tracked down and must either sign a contract directly with RIPE NCC or must work through an existing LIR
  - There will be ongoing costs associated with PI space
  - Garbage collection

# Policy 2008-01 (3)

- Charging options
  - Per PI block charge (preferred by AP-WG)
  - Roll into registry size
- Roll out
  - 2008 – 2009 Roll into registry size following Principle of Least Surprise
  - 2009 onwards. €100 per PI block per annum

# Policy 2008-01 (4)

- What do you need to do?
  - If you hold PI space but are not an LIR, then make sure your LIR knows about you, and make sure they have a charging policy
  - If you are an LIR, then make sure you have a policy for passing on your PI charges.

# Policy 2007-08

- A Mechanism for allowing transfer of Ipv4 address space
- Features
  - Allows one LIR (in the RIPE region) to transfer address space to another LIR
  - RIPE NCC has to approve
  - Address space must be registered and signed
  - No inter RIR transfers
  - Nothing about market values

# Policy 2007-08 (2)

- Implications
    - Creates a market in IP addresses
    - Has no real effect until after address exhaustion
    - May create an asset that your bean counters need to take account of
    - May provide a source of Ipv4 space after E-day
    - Any market likely to be short lived (cross fingers)

# Policy 2007-08 (3)

- What you need to do
  - Inform your bean counters (value of an Ipv4 address is approx $3 – 5 per /32)
  - Think about recovering and aggregating address space for future sale
  - Start budgeting for buying address space if you think you may need it
  - Migrate to IPv6

# Conclusions

- RIPE Mailing lists are an excellent cure for insommnia
- However, RIPE proposals are starting to have non-technical repercussions
- Keep an eye on them