

IPv6 Policy in action

Feedback from RIR communities

David Kessens <david@iprg.nokia.com> http://www.kessens.com/~david/presentations/

LIR wg, RIPE meeting, May 14th, 2003 (1)





Background

- Current policy: http://www.apnic.net/docs/policy/ipv6-address-policy.html has been finalised about a year ago and implemented in July 2002
- Never intended to fix all the problems but to facilitate deployment

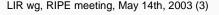






Background

- Operational experience has been gained of policy in action
- Feedback and discussion has been raised on ARIN and RIPE mailing lists
- Different type of comments received:
 - need for small changes and clarifications
 - more fundamental changes that require a lot of consideration

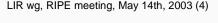






Community input from APNIC, ARIN and RIPE region

- No list per RIR many of the issues came up at the same time in the different regions
- We don't have any information from rejected requests from LIRs or the RIRs

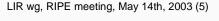






Issues that can be addressed in current framework

- Many comments suggested that the rules are felt as a barrier to deployment:
 - 'Number of customers within two years' is a problem
- Proposed solutions:
 - lower the 200 to something lower
 - don't have this criteria at all for the first X number of applications or until a certain date
 - give a micro-allocation of a /48 to anybody who asks for it

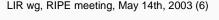






Issues that can be addressed in current framework

- Wording issues:
 - Confusion about need for 200 /48 customers:
 I don't qualify because I can't justify 200 customers that have a need for /48 allocations but I am a mobile operator and do have millions of customers that need /64 assignements
 - Perception that allocation will be lost if ipv6 introduction is taking more time and you will fall short of the X number of customers within 2 years

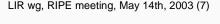






More fundamental issues

- Longer prefixes for smaller ISPs that want to multihome
- A need for provider independent addresses:
 - big businesses want their own addresses, but when is somebody big enough ?!? Or, when is a business too small to justify it's own prefix.
- Special allocations for organizations that think they are special in some way or the other
 - exchange points
 - root nameserver operators
 - micro-allocations







Proposal

- Editorial committee collects a list of issues
 - issues that can be addressed within the current policy framework
 - issues that need more fundamental changes
- Editorial committee will revise the the current policy with the list of issues in mind but will not make fundamental changes to the policy (yet)
- Let's first make the easy fixes
- Don't do anything about issues like multi-homing (yet) since there is no chance for quick consensus

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Discussion

<global-v6@apnic.net> list

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Questions ?!?

