APNIC service commitment: Now and into the future

PacNOG 4
Port Vila, Vanuatu
30 June 2008
APNIC structure - 2008

- DG
- Services
- Communications
- Business
- Chief Scientist

APNIC Areas
APNIC resource services

IPv4 - /8s

IPv6 - Prefixes

ASNs - Total

Members - Total
IPv4 address space within Pacific

Year

Allocated IPv4 space


IPv6 activities

• Goal for 2008: Full support for IPv6
  – Mostly done or well underway by now
• Resource services
  – Improve support for IPv6 requests and request management
  – DNS (ip6.arpa) management
• Online services and connectivity
  – DNS servers, websites, MyAPNIC etc
  – Dual stacks
  – Better IPv6 connectivity
• Communications
  – Training, Information, ‘Promotion’…
Recent policy changes

<table>
<thead>
<tr>
<th>Policy</th>
<th>Change</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changing minimum IPv4 allocation size to /22</td>
<td>Change of minimum IPv4 allocation size from /21 to /22</td>
<td>To be implemented 4 August</td>
</tr>
<tr>
<td>NIR operational policy document revision APNIC-103-v001</td>
<td>Section 3.4 updated to reference reverse DNS delegations in ip6.arpa and simplify description processes for delegating reverse zones</td>
<td>To be implemented 4 August</td>
</tr>
<tr>
<td>IPv6 initial allocation criteria change (section d)</td>
<td>Be existing LIR which makes IPv6 assignments or sub-allocations to other organisations and announce allocation within two years</td>
<td>To be implemented 4 August</td>
</tr>
</tbody>
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http://www.apnic.net/docs/policy/proposals/index.html
IPv4 initial allocation criteria change

• 1a. Have used a /24 from upstream provider
  OR
• 1b. Show immediate need for /24
• 2. Detailed plan for use of /23 within 1 year
• 3. Renumber to new space within 1 year
<table>
<thead>
<tr>
<th>Proposal</th>
<th>Change</th>
<th>Overview</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prop-050</td>
<td>IPv4 resource transfers</td>
<td>Recognise transfer of IPv4 address space between APNIC members, and for it to be accurately registered</td>
</tr>
<tr>
<td>Prop-059</td>
<td>Using resource public key infrastructure (RPKI) to construct validated IRR data</td>
<td>APNIC publish new IRR containing route objects generated from route object authorizations in RPKI. Open source tool enabling network operators to generate their own IRR publication points</td>
</tr>
<tr>
<td>Prop-060</td>
<td>Change in the criteria for the recognition of NIRs in the APNIC region (APNIC-104)</td>
<td>NIR application may not need government’s endorsement. Put through voting process to achieve support</td>
</tr>
</tbody>
</table>

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APNIC meetings - what’s next…

• APNIC 26
  – Christchurch, New Zealand
  – 25 - 29 August 2008

• APNIC 27
  – With APRICOT 2009, Manila, Philippines,
  – 23 - 27 February 2009

• All invited !!!
  
  http://www.apnic.net/meetings
APNIC 26 highlights

• Great workshops and tutorials!
  – Training
    • Plan your IPv6 deployment
    • Network forensics
  – Seminars
    • IPv4 in 2015: Black markets, regulated transfers or totally redundant?
    • Internet governance hui
  – Interesting presentations
    • And much more…
APNIC meeting remote participation

• Contribute on the public mailing lists

• Participate remotely
  – Participate in discussions, ask questions to the presenter, voice your opinion through jabberchat
  – Webcast, podcast, live transcripts
    • http://www.apnic.net/meetings/remote/
Thanks