

# IP policy update Comparative status in all RIR regions Policy SIG, APNIC 21 2 March 2006 Save Vocea

**APNIC** 

#### Overview



- APNIC community policy status
- Other RIR communities policy status
  - AfriNIC
  - -ARIN
  - -LACNIC
  - RIPE

## Policy development update



- Nov 2005, APNIC EC endorsed
  - prop-005-v005 IANA policy for allocation of IPv6 blocks to RIRs
  - prop-030-v002 Deprecation of ip6.int reverse DNS service
  - prop-031-v002 Proposal to amend APNIC
    IPv6 utilisation requirement policy

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## Current policy proposals



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| 000                   | AF                                | PNIC policy proposals   |  |
|-----------------------|-----------------------------------|---|--|
| ▲ ► 🟠 A A             | C + Shttp://www.apnic.net/docs/po | olicy/proposals/index.html  |  |
| APNIC policy proposal | S                                 |   |  |
| Ó                     |                                   | Asia Pacific Net  |  |
| APNIC                 | You're here: Home » APNIC documen | ts » APNIC policy proposals   |  |
| MyAPNIC >             | APNIC policy proposals            |   |  |
| Info & FAQ 🛛 🔸        | Current proposals                 |   |  |
| Resource services 🔷 🕨 | Proposal reference                | Description   |  |
| raining >             | prop-005-v005                     | Internet Assigned Numbers Authority (IAN                                  |  |
| Meetings >            | F F                               | allocation of IPv6 blocks to Regional Intern                              |  |
| embership ›           | prop-019-v001                     | A proposal for whois database query                                       |  |
| ocuments •            | prop-020-v001                     | Application of the HD ratio to IPv4                                       |  |
| nternet community >   | prop-025-v001                     | Proposal on IPv6 IRR service at APNIC                                     |  |
| Search                | prop-028-v001                     | Abolishing IPv6 per address fee for NIRs                                  |  |
| Home                  | prop-030-v002                     | Deprecation of ip6.int reverse DNS service                                |  |
|                       | prop-031-v002                     | Proposal to amend APNIC IPv6 assignment<br>utilisation requirement policy |  |
|                       | prop-032-v001                     | 4-byte AS number policy proposal  |  |
|                       |                                   |   |  |

A new policy tracking system was implemented in June 2003. All proposals received after June 2003 can be tracked using the system above. Policy proposals submitted before June 2003 can be found in the SIG archives.

• Q- Google

Ouick Links

Internet Assigned Numbers Authority (IANA) policy for

allocation of IPv6 blocks to Regional Internet Registries

Deprecation of ip6.int reverse DNS service in APNIC Proposal to amend APNIC IPv6 assignment and

Asia Pacific Network Information Centre

Proposal guidelines are available to help structure policy proposals more effectively.

Previous proposals

Policy proposal archive

Open "http://www.apnic.net/meetings/archive/sigs/sig-presenter-guide.pdf" in a new tab

#### http://www.apnic.net/docs/policy/proposals/

#### **Under discussion**



- prop-020-v001 Application of HD ratio to IPv4
  - First discussed in APNIC 18
  - Update in APNIC 19
  - LIR survey conducted
    - Shared survey results in APNIC 20
    - No proof of correlation between the problems, network size and complexity, number of services and levels of hierarchy
  - Further discussion in policy mailing list
    - No further support expressed
- Other RIRs
  - "Last call" in RIPE region
  - Abandoned in LACNIC and ARIN
- Next steps
  - Subject to action by Policy SIG

## Policy proposal in APNIC 21



- prop-032-v002 4-byte AS number policy proposal
  - details a set of actions and associated dates for RIR AS number allocation policies to assist in an orderly transition to use of the 4-byte AS number space
  - Proposed by: Geoff Huston
  - Under discussion in APNIC Mailing list since Dec 15, 2005
    - No comments from the APNIC community

#### Other RIRs

- Also in discussion phase
- Presentations at respective OPM

## Status in other RIRs - IPv4



| Proposal discussion  | RIR           | Status                               |
|--|---------------|--------------------------------------|
| Apply HD ratio for IPv4 allocations                            | APNIC<br>RIPE | Under discussion<br>Concluding phase |
| Additional allocation to<br>Regional ISP at 50%<br>utilisation | LACNIC        | Under discussion                     |
| Address space for anycast services                             | RIPE<br>ARIN  | Under discussion<br>Under discussion |
| Address space for<br>multiple discrete<br>networks             | ARIN<br>APNIC | Adopted<br>Abandoned                 |



## Status in other RIRs - IPv4



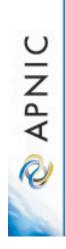
| Proposal discussion   | RIR     | Status                              |
|---|---------|-------------------------------------|
| Global addresses for private network inter-<br>connectivity | ARIN    | Adopted                             |
| End user assignment   | AfriNIC | Consensus and for<br>Board approval |
| Temporary address<br>assignments<br>(experiments)           | AfriNIC | Consensus and for<br>Board approval |



## Status in other RIRs - IPv6



| <b>Proposal discussion</b>                    | RIR         | Status               |
|---|-------------|----------------------|
| HD ratio to 0.94                              | APNIC       | EC endorsed          |
|   | ARIN        | Adopted              |
|   | RIPE        | Under discussion     |
| Amend IPv6 assignment                         | APNIC       | No consensus- Assign |
| and utilisation requirements                  | ARIN        | Under discussion     |
|   | RIPE        | Under discussion     |
| IPv6 blocks from IANA to                      | ALL         | Endorsed in APNIC,   |
| RIRs (global policy)                          | All Charles | ARIN, LACNIC         |
|   | 7.4         | Others in review     |
| Address space for anycast services            | RIPE        | Under discussion     |
| PI assignments for end site (Portable assign) | ARIN        | Under discussion     |







- 4-Byte AS Numbers
  - Proposal discussed in all regions
    - Posted to mailing lists
      - Will be discussed at upcoming RIR meetings
- Changes to ASN assignment criteria
  - Under discussion in AfriNIC

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- Deprecation of ip6.int reverse DNS service
  - Endorsed by APNIC EC
    - Implementation time frame 6 June 2006
  - Presentation at RIPE 51 → DNS WG
- DNSSEC in reverse tree
  - Implemented in RIPE

# Policy proposal references



• AfriNIC:

http://www.afrinic.net/policy.htm

• ARIN:

http://www.arin.net/policy/proposals/proposal\_archive.html

• APNIC:

http://www.apnic.net/docs/policy/proposals/index.html

• LACNIC:

http://lacnic.net/en/politicas/index.html

• RIPE:

http://www.ripe.net/ripe/policies/proposals/index.html

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## **Questions?**



#### Thank you!

#### Let's discuss this



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