

APNIC Policies and the PDP

APNIC Regional Meeting Manila, Philippines

Agenda

- What are APNIC Policies?
- What is the PDP?

APNIC Resource Policies

- **Policy environment** for Internet number resource distribution in the Asia Pacific
 - Outlines the overall structure, principals, definitions, and goals.
- Policies for **IPv4** address space management in the Asia Pacific region
 - Policies for IPv4 address space.
- **IPv6** address allocation and assignment policy
 - Policies for IPv6 addresses.
- Policies for **Autonomous System number** management in the Asia Pacific region
 - Policies for AS numbers.

APNIC Resource Policies cont'd

- APNIC **transfer**, merger, acquisition, and takeover policy
 - Describes current APNIC policies for the transfer of resources.
- Policies for **historical** Internet resources in the APNIC Whois Database
 - Policies for the management of historical resource registrations in the APNIC Whois Database.
- Experimental allocations policy
 - Policies for the temporary delegation of resources for experimental purposes.
- <http://www.apnic.net/policy/current>

Internet Resource Policies

- Policies evolve to always meet the operational needs of ISPs and other network operators
- There is a system in place called the Policy Development Process (PDP)
 - Anyone can propose a policy
 - Anyone can participate in decisions
 - All decisions & policies documented & freely available to anyone

Policy development is a cycle



Multistakeholder policy development

- Open
 - Anyone can propose, discuss, and help decide policy
- Transparent
 - APNIC publicly documents all policy discussions and decisions
- Bottom up
 - The PDP itself and the resource policies are determined by the community they serve

Policy SIG Charter

- Develop policies and procedures which relate to the management and use of Internet address resources by APNIC, NIRs and ISPs within the Asia Pacific region
- APNIC Policy
 - www.apnic.net/policy
- APNIC Policy Development Process
 - www.apnic.net/policy/policy-development
- APNIC Policy SIG
 - www.apnic.net/policy-sig
- SIG Guidelines
 - www.apnic.net/community/sigs/sig-guidelines
- Mailing list subscription archive
 - mailman.apnic.net/mailman/listinfo/sig-policy

Steps to Implementation

1. Proposal submission
2. Mailing list discussion before Open Policy Meeting
3. Must reach consensus at the OPM
4. Must reach consensus at the APNIC Member Meeting
5. Comment Period to confirm consensus
6. Executive Council endorsement
7. Editorial Comment period
8. Implementation

Consensus Decision Making

- Consensus = “general agreement” taking into consideration comments on the mailing list and at the meeting.
- Show of hands is a way of “broadly gauging opinion”
- Comments via Remote Participation are welcome
- Example definitions from Tao of IETF:
 - a very large majority of those who care must agree
 - strongly held objections must be debated until most people are satisfied that these objections are wrong

Remember

- Minor Objections
 - some problems may occur for some members of the group
- Major Objections
 - major problems will occur for parts of the community
- Participants should “work together” to resolve objections

- The Secretariat’s role in the PDP is to facilitate the PDP and implement the policy

Policy Changes Pending

prop-107: AS number transfer policy proposal

Aims:

- This policy permits ‘market’ transfers of AS Numbers both intra- and inter-region.

Proposal:

- Same criteria as existing “prop-50” IPv4 transfers. However, requires another RIR to pass policy to allow Inter-regional transfers.

Status:

- Editorial review completed. To be implemented Wednesday, 16 April 2014.

prop-105: Distribution of returned IPv4 address blocks

Aims:

- Make IANA returns available for distribution using a different policy from “final /8” policy

Proposal:

- Each Member able to justify need for an additional /22

Status:

- Editorial review completed. Will be implemented when we get the IANA delegation.

APNIC Services

Internet20PH

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APNIC



Agenda

- Available IPv4 pool post “IPv4 exhaustion”
- Request IPv4 addresses from APNIC
- Receive IPv4 addresses from market transfer
- New Policy Implementation
- ISIF Asia

Available IPv4 post IPv4 “exhaustion”

- IPv4 delegation from APNIC
 - Limited supply
- IPv4 market transfer
 - Within APNIC region
 - Inter RIR transfer

“Final /8 policy”

- Last /8 received from IANA (103/8)
- “Needs justification” is still required
- Minimum delegation size is /24 per request
- Each qualified APNIC account can make a single or multiple request up to a total of a /22

Request IPv4 from APNIC

- For new Members
 - Use APNIC web site online form
- For existing Members
 - Use MyAPNIC request form
- For customers of existing Members
 - Use APNIC “Referral form”

New Member request

APNIC

New Member Application Form



Applicant Contact Details

[Restart](#)

Name: *

Your name

Position: *

Your job position title

Email: *

Your email address

Confirm Email: *

Your email address

I am the Corporate Contact: [What's this?](#)

Yes No

The billing contact is the same as the Corporate Contact:

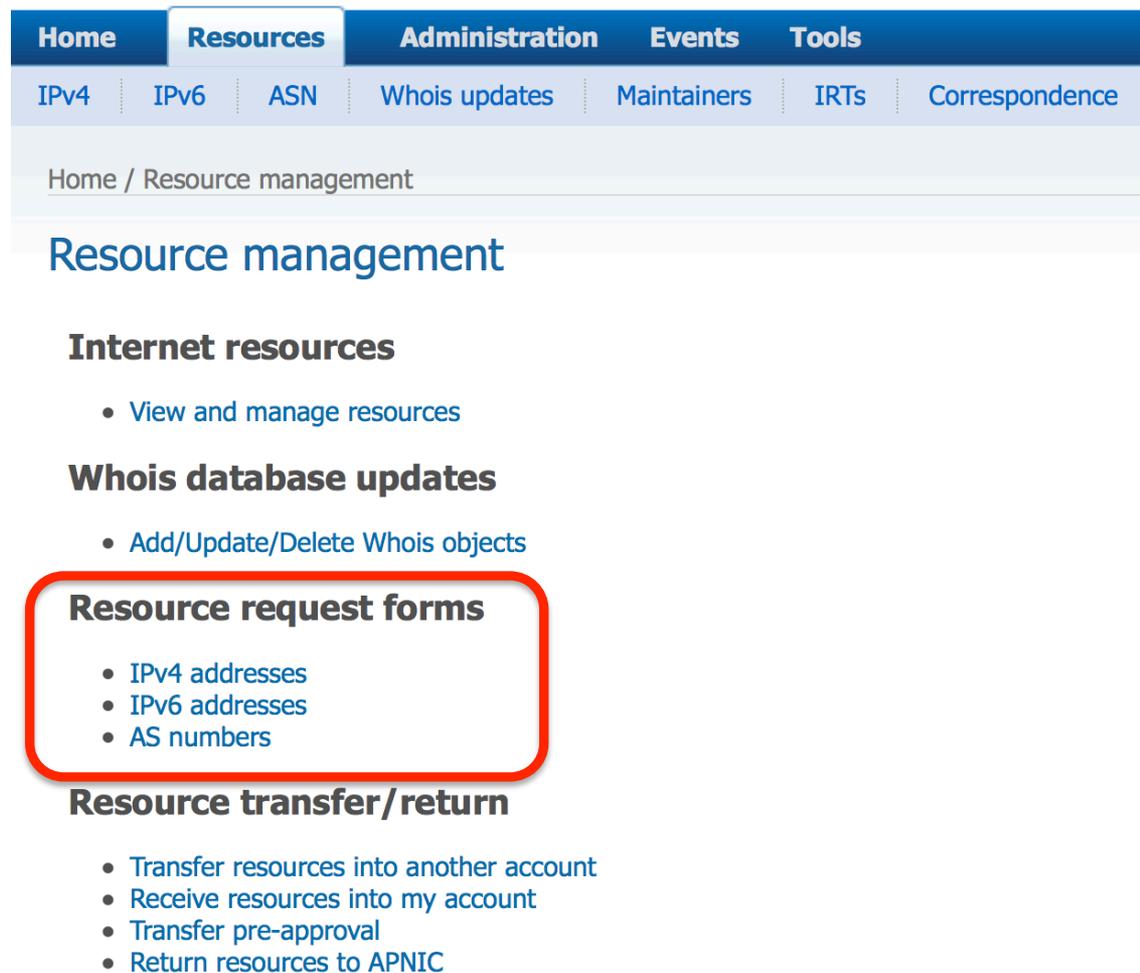
Yes No

Next

APNIC



Existing Member request



The screenshot shows the APNIC website navigation menu with 'Resources' selected. Below the menu, the breadcrumb 'Home / Resource management' is visible. The main heading is 'Resource management'. Underneath, there are several sections: 'Internet resources' with a link to 'View and manage resources'; 'Whois database updates' with a link to 'Add/Update/Delete Whois objects'; 'Resource request forms' (highlighted with a red box) with links for 'IPv4 addresses', 'IPv6 addresses', and 'AS numbers'; and 'Resource transfer/return' with links for 'Transfer resources into another account', 'Receive resources into my account', 'Transfer pre-approval', and 'Return resources to APNIC'.

Home Resources Administration Events Tools

IPv4 IPv6 ASN Whois updates Maintainers IRTs Correspondence

Home / Resource management

Resource management

Internet resources

- [View and manage resources](#)

Whois database updates

- [Add/Update/Delete Whois objects](#)

Resource request forms

- [IPv4 addresses](#)
- [IPv6 addresses](#)
- [AS numbers](#)

Resource transfer/return

- [Transfer resources into another account](#)
- [Receive resources into my account](#)
- [Transfer pre-approval](#)
- [Return resources to APNIC](#)

Requesting on behalf of customers



The screenshot shows the MyAPNIC website interface. At the top, there is a navigation bar with five tabs: Home, Resources, Administration, Events, and Tools. Below the navigation bar, the page content begins with the text "Home" followed by a large heading "Welcome to MyAPNIC". Underneath this heading is a section titled "Use MyAPNIC to" which contains a bulleted list of five items. The first item, "Complete a referral application for a customer. Read more.", is highlighted with a red rectangular border.

Home Resources Administration Events Tools

Home

Welcome to MyAPNIC

Use MyAPNIC to

- Complete a [referral application](#) for a customer. [Read more.](#)
- View your [resource information](#) for IPv4, IPv6 and AS numbers
- Register for APNIC training or Conference via the "Events" tab
- Manage and update your resources with [Whois updates](#)
- View your [Member details](#) and [Contact details](#)

Requesting on behalf of customers

APNIC

New Member Application Form



Applicant Contact Details

[Restart](#)

Important

This form allows you to apply for IPv4, IPv6 and/or ASNs for your customers. If you have obtained your customer's consent to apply for APNIC Membership, including these resources on their behalf, please read the following information carefully before you start.

1. You will be asked to nominate a Corporate Contact from your customer's organization. ([What's this?](#))
2. The nominated Corporate Contact will receive a copy of this application and will be asked to authorize APNIC to process it.
3. Your customer organization will be the custodian of any Internet number resources delegated by APNIC.
4. If you intend to continue to act on this customer's behalf after the account is open, you can register for access to the account via [My Profile](#) in MyAPNIC.

Your Details

Name: *

Position: *

Email: *

Confirm Email: *

Please enter the details of the new Member's Corporate Contact.

Name: *

APNIC



Requesting on behalf of customers

- If your address pool can not fulfil your customer's needs
- You can open an APNIC account for your customers
- You can manage the resources on behalf of your customers
 - Via MyAPNIC multiple account management

“IPv4 transfer policy”

- Up to two years needs justification allowed
- Minimum transfer size is a /24, no restriction on maximum transfer size
- Transfer within APNIC region
 - Between APNIC account holders
- Inter-RIR transfer
 - Transfer between an APNIC account holder and other RIR account holder
 - Currently only ARIN region has a similar needs-based policy
- Transfer fee applies

Transfer between APNIC Members

- Source account to initiate
 - Specify the range to transfer
- Recipient account to acknowledge the transfer
 - Transfer initiated expires after 30 days if the recipient does not acknowledge
- “Pre-approval” is highly recommended for the recipient account
- Use MyAPNIC

Transfer between Members

Home	Resources	Administration	Events	Tools		
IPv4	IPv6	ASN	Whois updates	Maintainers	IRTs	Correspondence
Home / Resource management						

Resource management

Internet resources

- [View and manage resources](#)

Whois database updates

- [Add/Update/Delete Whois objects](#)

Resource request forms

- [IPv4 addresses](#)
- [IPv6 addresses](#)
- [AS numbers](#)

Resource transfer/return

- [Transfer resources into another account](#)
- [Receive resources into my account](#)
- [Transfer pre-approval](#)
- [Return resources to APNIC](#)

Inter-RIR transfer

- Source account to contact its RIR
 - Inter-RIR transfer template
- The RIR of the source account to contact the RIR of the recipient account
- “Pre-approval” is highly recommended if the recipient account is an APNIC Member
- 542,464 addresses transferred from ARIN region as of 11 Feb 2014

Transfer fees

- All market transfers will incur a transfer fee
- A 20% transfer fee is calculated using the sum of total IPv4 addresses that are being transferred in a single transfer request
- For a transfer between APNIC Members, the recipient will pay the fee
- For a transfer from or to a member of another RIR, the APNIC Member will pay the fee

Transfer listing service

- A list of accounts that have already received pre-approval
- Pre-approval ID, size, economy and expiry date are listed for agreeing Member accounts
- Allows sources of IPv4 holders to pass on their contacts via APNIC

Transfer listing service

Pre-approval ID	Pre-approved Size	Economy	Expire Date	Contact
25	/20	HK	26 Feb 2015	Contact
27	/16	MY	12 Mar 2015	Contact
28	/19	BD	25 Mar 2015	Contact
32	/18	AP	24 Apr 2015	Contact
33	/18	SG	29 Apr 2015	Contact
35	/20	IN	20 Jun 2015	Contact
36	/15 + /17	MY	1 Jun 2015	Contact
37	/19	BD	31 Jul 2015	Contact
38	/22	AU	29 Jul 2015	Contact

IPv4 transfer mailing list

- APNIC IPv4 address transfers discussion forum
- www.apnic.net/mailing-list

apnic-transfers@apnic.net

What about IPv6?

- OneClick IPv6
 - For all APNIC members
 - “**Get your IPv6 addresses**” icon in MyAPNIC
- www.apnic.net/ipv6

About ISIF Asia

ISIF Asia is a **small grants and awards** program aimed at stimulating creative solutions to **ICT development** needs in the **Asia Pacific** region, placing particular emphasis on the role of the Internet in **social and economic development** in the region.

APNIC manages ISIF Asia secretariat, as part of its commitment to support Internet growth, to facilitate networking and information exchange throughout the Internet community.

Grants

- Competitive selection process
- Up to AUD \$30,000 / 3-12 months
- Aligned with funding categories
- Reporting required
- Access to additional capacity building funds
- Supporting south-to-south projects replication

Awards

- Competitive selection process
- Online voting
- Cash prize AUD \$ 3,000 + IGF travel
- Aligned with funding categories
- No reporting required
- Higher media exposure
- Access to additional capacity building funds

ISIF Asia at a glance: 2009/2014

- 714 submissions from 22 AP economies.
- Around 1.8 million AUD has been allocated to 54 projects from 21 AP economies, showcasing innovation, cooperation, and technical knowledge.
 - 40 grants around 1,5 million AUD. Final reports published under Creative Commons License.
 - 14 awards around 300k AUD. Awards funds plus travel grants to the IGF.
 - Economies supported: Australia, Bangladesh, Bhutan, Cambodia, India, Indonesia, Malaysia, Micronesia, Myanmar, Nepal, Niue, Pakistan, Philippines, Sri Lanka, Thailand, Vietnam, Cook Islands, Timor Leste, Kiribati, New Zealand, Tuvalu

ISIF Asia operates through a partnership between IDRC, Sida, and APNIC with sponsorship from the Internet Society and the Dot Asia Organization.

Thank you

Questions?