



APNIC

Asia Pacific Network Information Centre

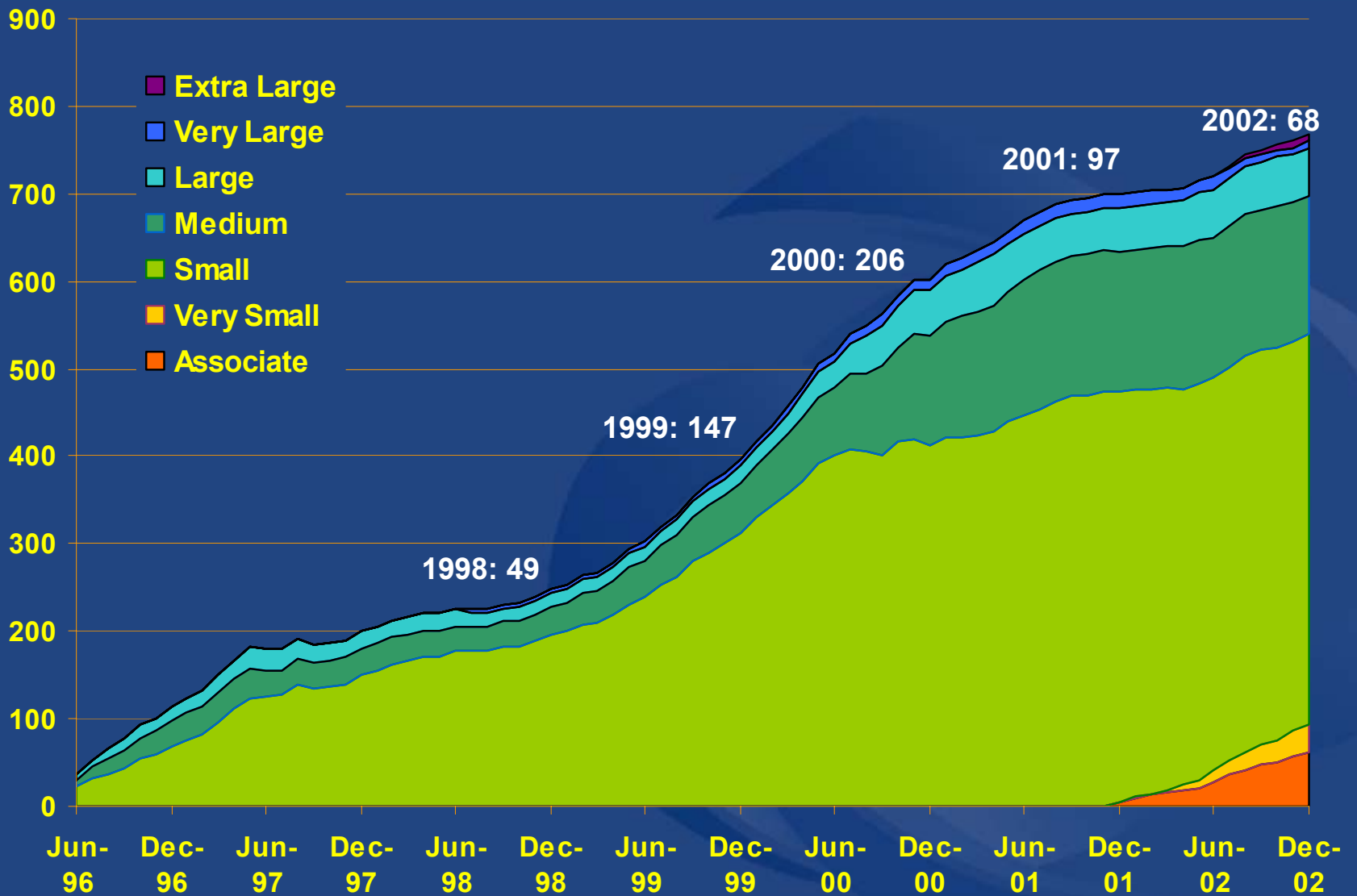
# APNIC Status Report

RIPE 44

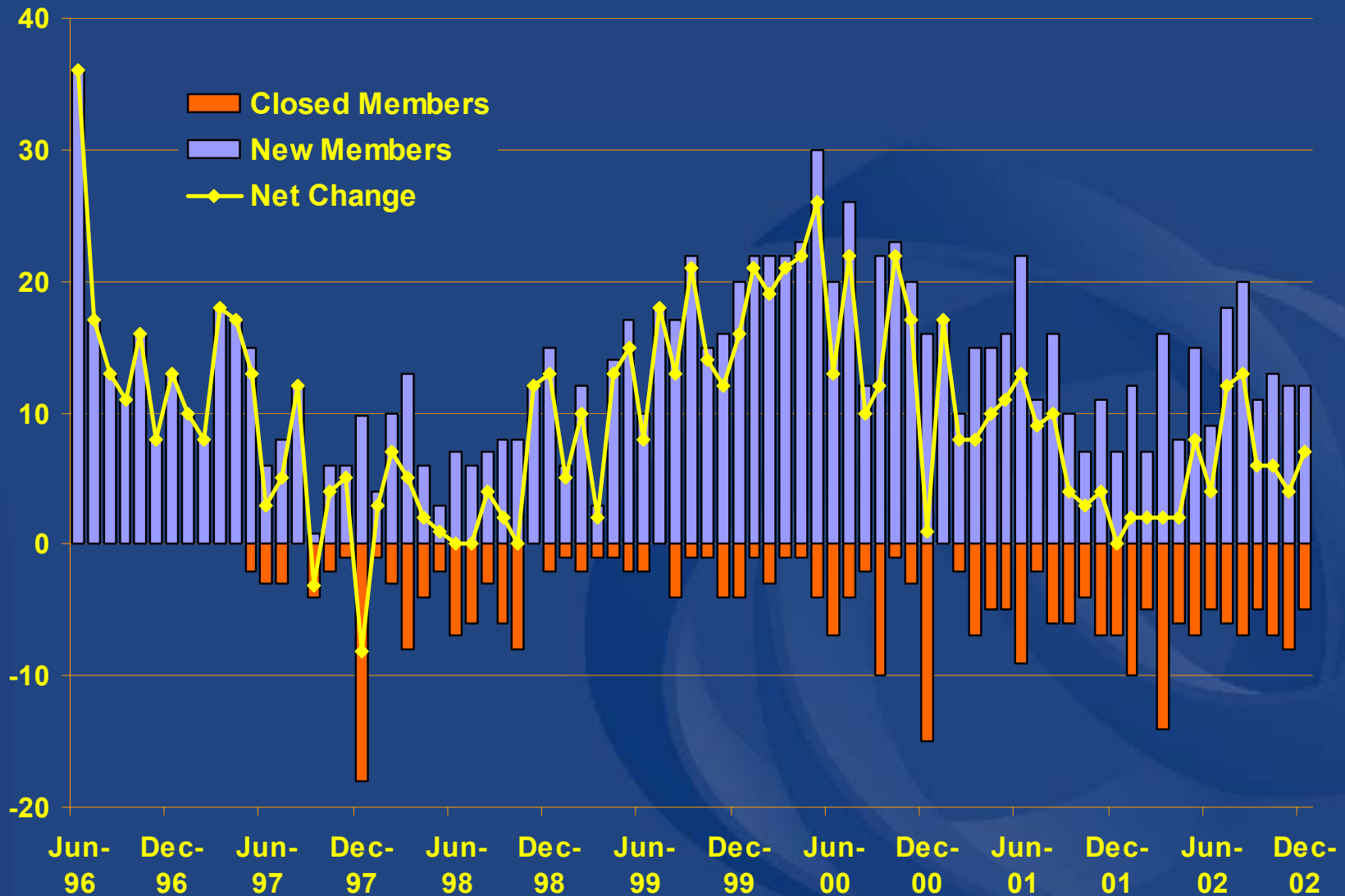
Amsterdam, The Netherlands

January 27-31, 2003

# Total APNIC Membership



# Monthly Membership Net Change



# APNIC Staffing

The "Boss"

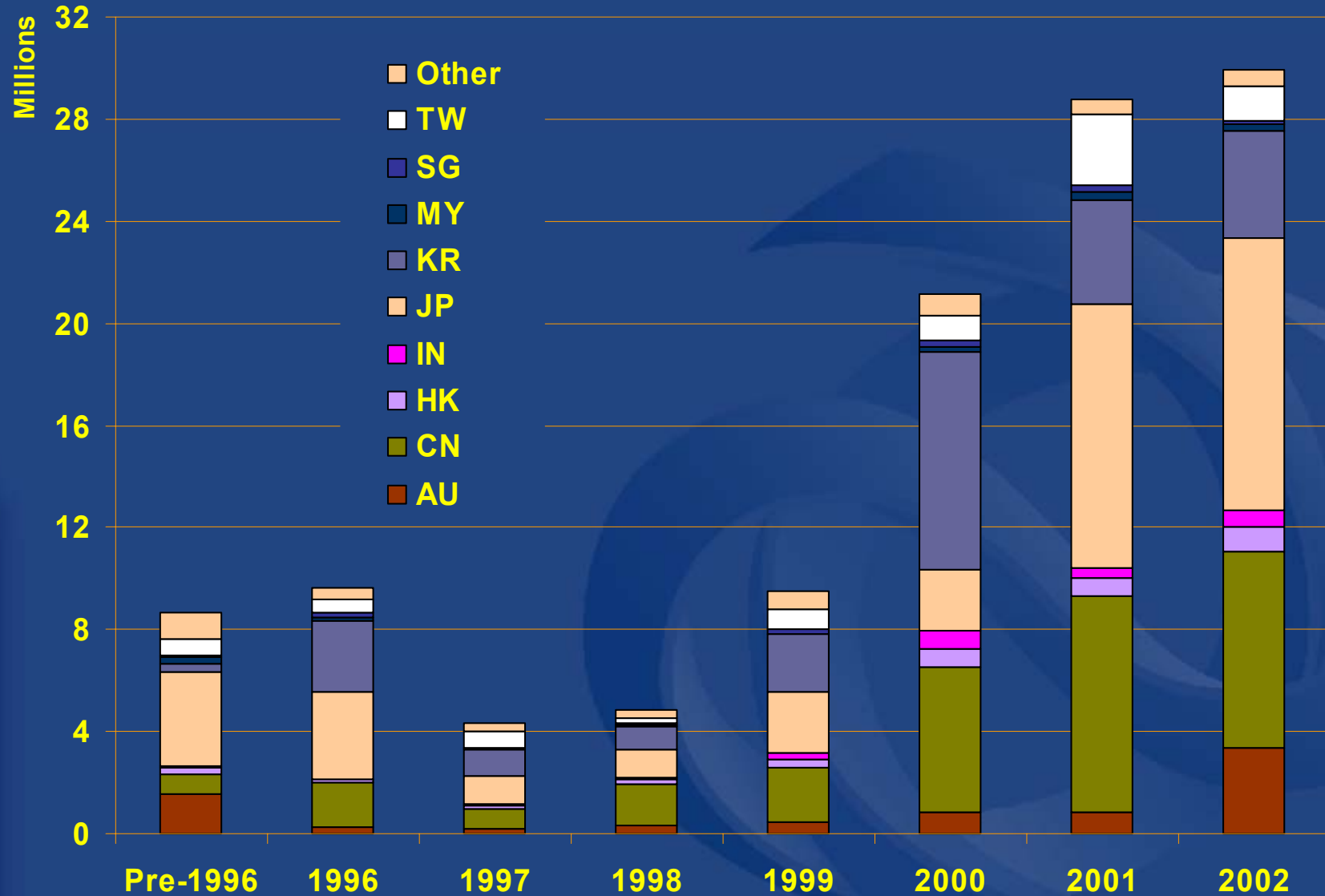
His  
"Angels"

More  
"Angels"





# Total IPv4 Allocated by Year and by Economy





# Total ASN Assigned

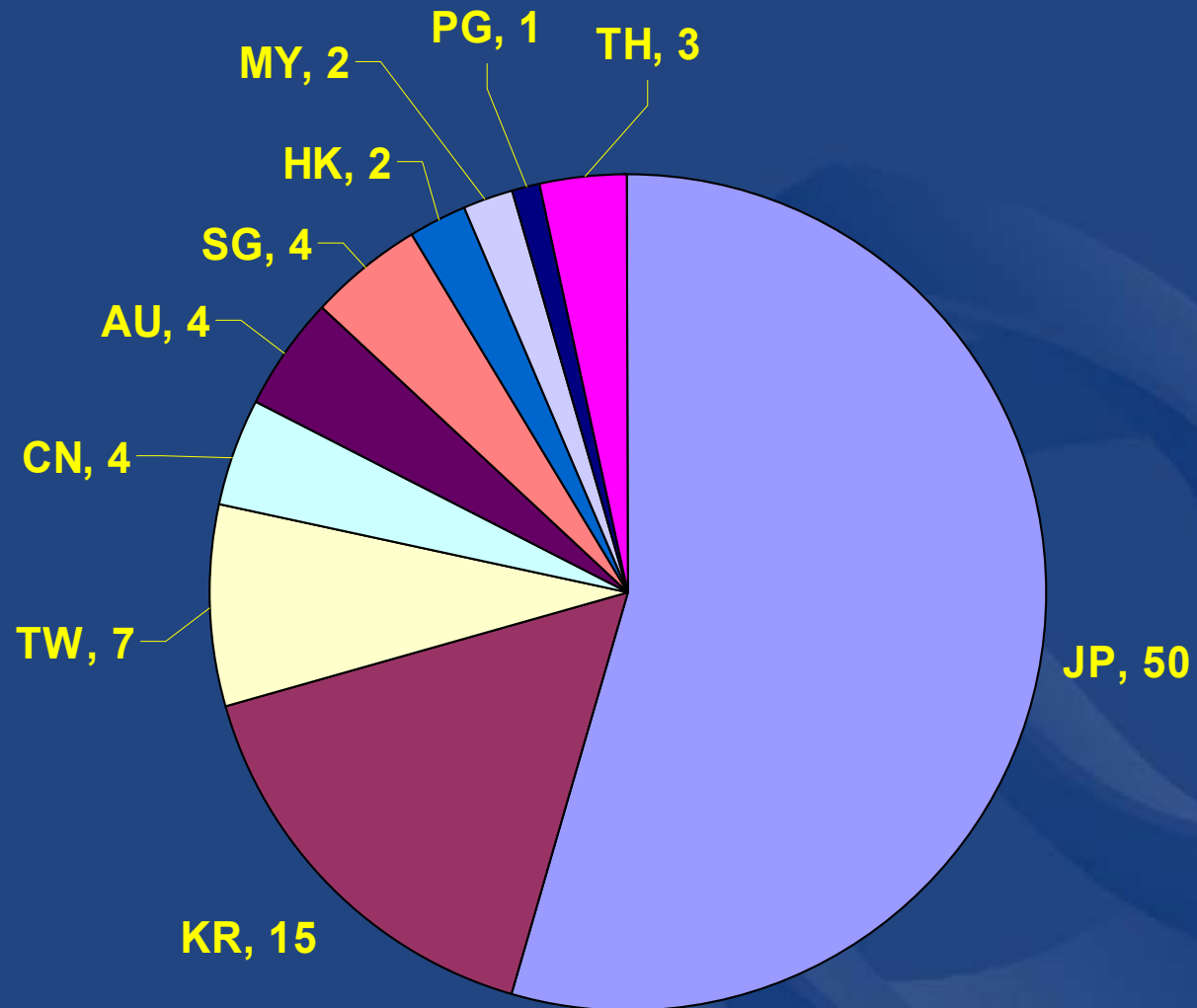


# Total IPv6 Allocations





# IPv6 Distribution by Economy





# IPv6 Allocations and Reverse DNS

- Since new policy 1<sup>st</sup> July
  - 34 NEW /32's allocated
  - 35 upgraded from /35's to /32's
  - 25 existing /35's not upgraded (yet)
- ip6.arpa
  - Delegated and operational for IPv6 allocations
    - 33 /32's delegated in ip6.arpa
    - 19 /32's in ip6.int

# Policy Implementation Dec 1<sup>st</sup> 2002

- New policies
  - Criteria for recognition of new NIRs
  - Operational policies for NIRs
  - Experimental allocations
  - Critical infrastructure
  - IPv6 documentation prefix
- Amended
  - Sub-allocations by LIRs
  - IPv6 IXP assignments
  - ASN policy framework
- Minutes and details at:
  - <http://www.apnic.net/meetings/14/minutes.html>

# Account Management by 'Hostmasters'

- Started in July 2002
  - In response to member survey
- Aim to provide more personalised service
  - Each team responsible for specific members
    - Familiarity with members' background to improve services
- Reduced time for processing requests
  - Avoid requesting for duplicate information

# Training Update

- 2002 Training
  - 23 courses given in 15 economies
  - New IRR material developed
    - To be delivered at APRICOT 2003
  - Integrated training records into MyAPNICv1.1
- 2003 Training
  - 24 courses planned for year
  - Ongoing work with AP\* outreach
    - Joint seminars, workshops
    - Investigating increased regional liaison
  - Increasing course portfolio

# Communications

- *APster*
  - Quarterly online newsletter
  - Issue 5 just released
  - [www.apnic.net/apster](http://www.apnic.net/apster)
- Next issue
  - Special edition
  - Coincide with APNIC15



January 2003  
Issue 5

APNIC - Addressing the challenge of responsible Internet resource distribution in the Asia Pacific region

www.apnic.net

## Apster

-ster (suffix) One that is associated with, participates in, makes, or does: songster.  
Source: [www.dictionary.com](http://www.dictionary.com)

### New policies approved at APNIC 14

A number of major policy decisions were agreed upon at APNIC's Open Policy Meeting held in Kitakyushu, Japan during September 2002. A summary of the major policy changes which have now been implemented by APNIC is provided below.

The policy document, 'Policies for Autonomous System number management in the Asia Pacific region' is available at:

[www.apnic.net/docs/policy/asn-policy.html](http://www.apnic.net/docs/policy/asn-policy.html)

#### ■ Management of Autonomous System Numbers (ASNs)

The new policy for managing ASNs not only describes the applicable policies but also seeks to improve the current framework for managing ASNs. The policy makes a distinction between ASNs that are applied directly by the user of the resource, and those that are applied for on behalf of a customer or organisation. In the case of the former, the ASN can be moved between ISPs when network topology changes. In the case of an assignment to an LIR on behalf of another organisation that will use the ASN, the LIR is the custodian of this resource, rather than the end-user. If the end-user leaves the LIR and uses different upstream ISPs, it will not be able to take the ASN with it. This framework ensures a much greater level of accountability and is directed at improving the management of the resource.

#### ■ Experimental allocations

Of particular interest to researchers and experimenters in Internet related technologies, is the policy decision relating to experimental use of Internet resources. Numbering resources, such as IP addresses (v4 and v6) and AS numbers, are now available to researchers on a time-limited basis for experimentation purposes. Never before has this been formally possible through APNIC.

The fee for obtaining experimental allocations will be determined on a cost-recovery basis, to keep it inexpensive for members. The IP resource allocation fee will also be waived. The policy framework is described in the provisionally active document, 'Experimental allocations policy', which is available at:

[www.apnic.net/docs/drafts/apnic-draft-experiment-v001.html](http://www.apnic.net/docs/drafts/apnic-draft-experiment-v001.html)

### APNIC celebrates 10<sup>th</sup> anniversary

Ten years ago some progressive thinkers foresaw the need for an Internet Registry to serve the Asia Pacific region. Our earliest written accounts show that Jun Murai and Masaki Hirabayashi (WIDE Project/JNIC - now JPNIC) presented a proposal to investigate how APNIC should be formed and operated at the first official APCCIRN meeting held in Honolulu on 13 January 1993.

No doubt the concept of a Regional Internet Registry (RIR) had been thought about well before this, but the APCCIRN meeting marked a historical milestone in APNIC's creation. The meeting decided that Jun Murai and Masaki Hirabayashi at JNIC should carry out an APNIC experiment with the cooperation of other countries including Australia, Korea, and New Zealand.

By September 1993 a pilot APNIC project had commenced. JPNIC provided resources for the pilot and the fledgling RIR was staffed by volunteers.

We're collecting archival material to chronicle the early days of APNIC and have created an historical archive at: [www.apnic.net/history](http://www.apnic.net/history)

I'm calling for input from anyone with early records or memories of APNIC. Please send your stories, documents or photographs to me. Any original documents will be returned.

Robert Walker, Editor, *Apster* <[apster@apnic.net](mailto:apster@apnic.net)>



# Service Developments

- IRR
  - Full service launched Dec 17<sup>th</sup>
  - On-line support documentation
    - <http://www.apnic.net/services/apnic-rr-guide.html>
- F-root equipment in HK installed
  - Operated by ISC
    - Testing and configuration underway
    - Anycast model for 'F'
  - In response to member survey for service improvements

# Service Developments

- Distributed service architecture
  - POPs in major exchange points
    - Equipment installed at HKIX
    - Call for proposals for other locations
  - Use of 'Anycast' model (later)
- DNS service improvements
  - Deployed BIND9
  - Flatter zonefiles now served
  - Exploring native IPv6 transport
    - NSPIXP6 IPv6 peering interface enabled



# “MyAPNIC” v1.1 Features

- Integrated, secure online site
  - For resource management, staff and account administration
  - V1.1 has edit features, ready Feb 2003
- For members
  - Update capabilities
    - Billing & administration
    - Contacts and user profiles
  - Real time update to Whois
    - IP addresses, AS numbers, domains (reverse DNS)
  - Online voting & polling
- Tools for APNIC staff
  - X.509 certificate management
  - Member's reminder management


# “MyAPNIC” - Voting

MyAPNIC - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://my.test.apnic.net/voting/>

Asia Pacific Network Information Centre

 Voting

Resources Training Administration **Voting** Signoff

Good morning Shuang.  
Have a good day!

You're here: [Home](#) > Online voting

**REMINDER**

[16 January 2003]  
APNIC-15 will be in Taipei, as part of APRICOT, 24-28 February 2003. See you there!

**HAVE YOUR SAY**

For the next APNIC meeting in September 2003, which location would you prefer? You may choose more than one location.

Bali  
 Fiji  
 Seoul  
 New Delhi  
 Shanghai

**Online voting**

Voting is open for the APNIC ICANN ASO representative 2003-2004. Voting will close on 30 February 2003.

**Vote summary**

Membership size:	Large
Total votes allowed:	8
Votes submitted:	4
Votes available to use:	4

**Vote now**

**Note:** once a vote has been submitted, it cannot be changed.

Please choose number of votes to use (1-4)	<input type="text"/>
Please choose one of the following candidates	<input type="radio"/> Bharata Singh <input type="radio"/> Izumi Noritake <input type="radio"/> K. Seo <input type="radio"/> T. Mohammad Azri

Internet


# “MyAPNIC” – IPv4 Resources

MyAPNIC - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://my.test.apnic.net>

Asia Pacific Network Information Centre

 Resources

Resources Training Administration Voting Signoff

Good morning Shuang.  
Have a good day!

You're here: [Home](#) > Resources

**Resources**

- [IPv4](#)
- [IPv6](#)
- [AS number](#)
- [Request Tracking Tickets](#)

**IPv4**

Start IP	Length	Assignment Status
202.38.64.0	/18	Expand Graph < 20% used
202.38.192.0	/18	Expand Graph < 20% used
202.112.0.0	/13	Expand Graph < 20% used
202.120.0.0	/15	Expand Graph < 20% used
202.192.0.0	/13	Expand Graph < 20% used
202.200.0.0	/14	Expand Graph < 20% used
202.204.0.0	/14	Expand Graph < 20% used
210.25.0.0	/16	Expand Graph - 100% used
210.26.0.0	/15	Expand Graph < 20% used

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Done Internet

# Next APNIC Meeting



15<sup>th</sup> APNIC Open Policy Meeting  
24 - 28 February 2003 Taipei - Taiwan



- APNIC15 with APRICOT 2003
  - Taipei, Taiwan 24-28 February 2003
  - <http://www.apnic.net/meetings>
  - <http://www.apricot2003.net>
  - Simultaneous interpretation
  - Multicast all sessions
  - Onsite notice board

# APNIC15 – On Site Noticeboard

Onsite 15 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Google

Address http://www.staff.apnic.net/yuntest/webdev/ois15/reminder.html

**Onsite Notice Board**

[Floor plans](#)

[Have your say](#)

[Photo gallery](#)

[APNIC 15 home](#)

[APNIC home](#)

**Reminder**


**Tutors meeting**  
8:30 am, Wed 26 [Room 20](#)

Meeting kits available at [Registration desk A](#)

KRNIC staff  
6pm Tue 25, [Room 22](#)

**Special thanks to**

Platinum - Day 1,2,3 & 4




Taiwan Network Information Center

[Become a sponsor](#) for APNIC 15?

**Announcement**


Please return the **Wireless Card, Registration desk B** by 6pm today. [5:28pm 27 Thur]

APNIC 15 is proud to be associated with APRICOT. Please check the [APRICOT2003 web site](#) for programme details and information on APRICOT activities this week.



**Today's sch Wednesday 26 February**

Sponsored by:



[CNNIC](#) [ China Network Information Center ]


Time	Session	Room	Presentation
9:00 - 10:00	APRICOT plenary	<a href="#">101</a>	
10:30 - 12:30	DB SIG	<a href="#">102</a>	+
	IPv6 technical SIG	<a href="#">103</a>	+
14:00 - 15:30	Routing SIG	<a href="#">102</a>	+
	DNSops SIG	<a href="#">103</a>	+
16:00 - 17:30	IX SIG	<a href="#">103</a>	+
	NIR meeting	<a href="#">101</a>	+
18:00 - 18:00	APOPS	<a href="#">101</a>	

**Need help ?**


- [Hostmaster/ HM consultation](#)
- [Network/ connection enquiries](#)
- [Website/ reminder/ announcement](#)
- [General enquiries](#)

**APNIC Staff Languages**


中文 / 華語 Mandarin



**Registration / wireless card**  
Finance & Accounting Manager  
[Irene Chan](#)



**APNIC meeting**  
Events manager  
[Vivian Yang](#)



**Hostmaster**  
[George Kuo](#)

[ See also other [APNIC staff languages](#) ]

Done Internet

Start

SSH - ssh... Schering ... Palm Des... Onsite 1... 20030122 newoutlin... arinx-rep... Eudora - ... APNIC 15...

1:12 PM



APNIC

Asia Pacific Network Information Centre

# Questions?