

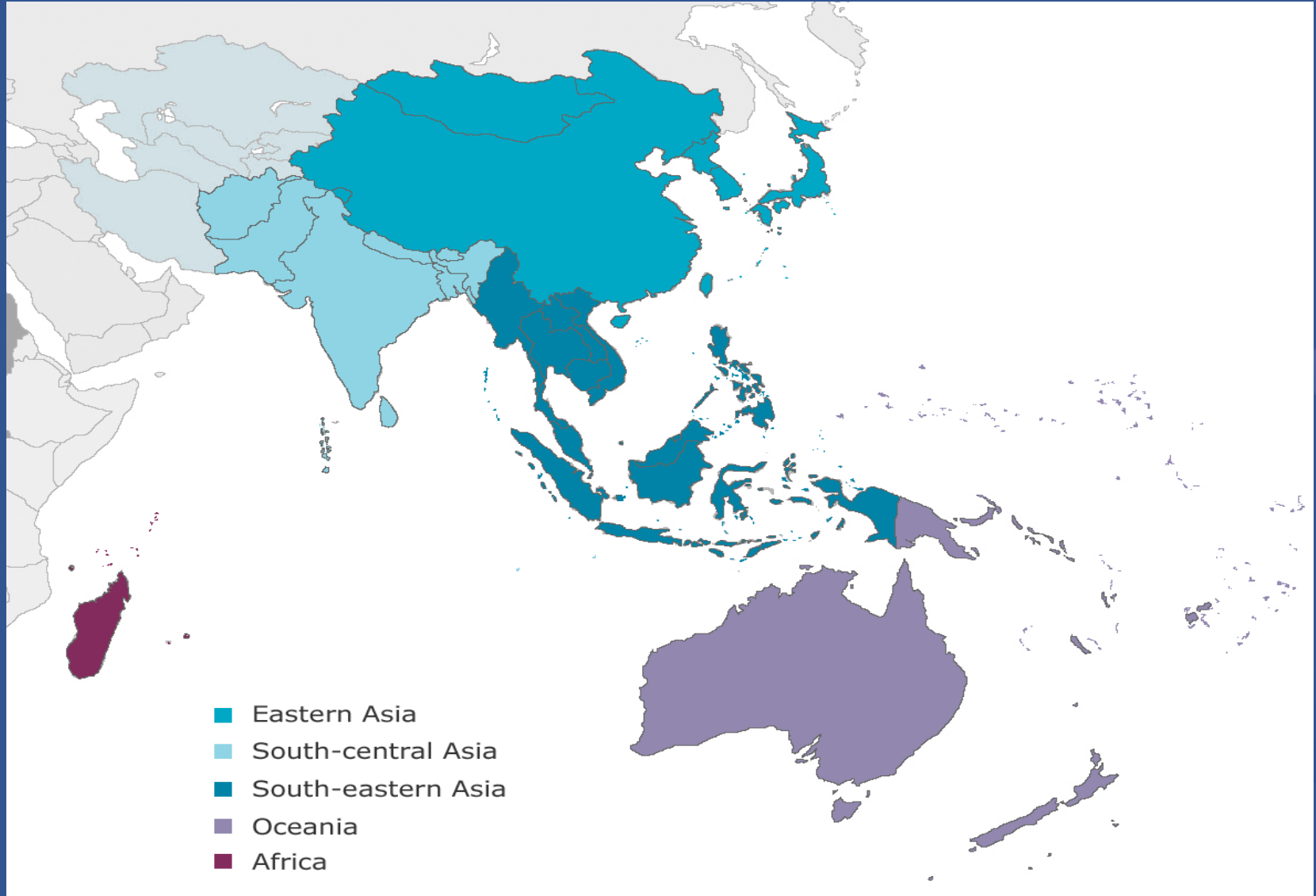
# APNIC status report

ARIN XI

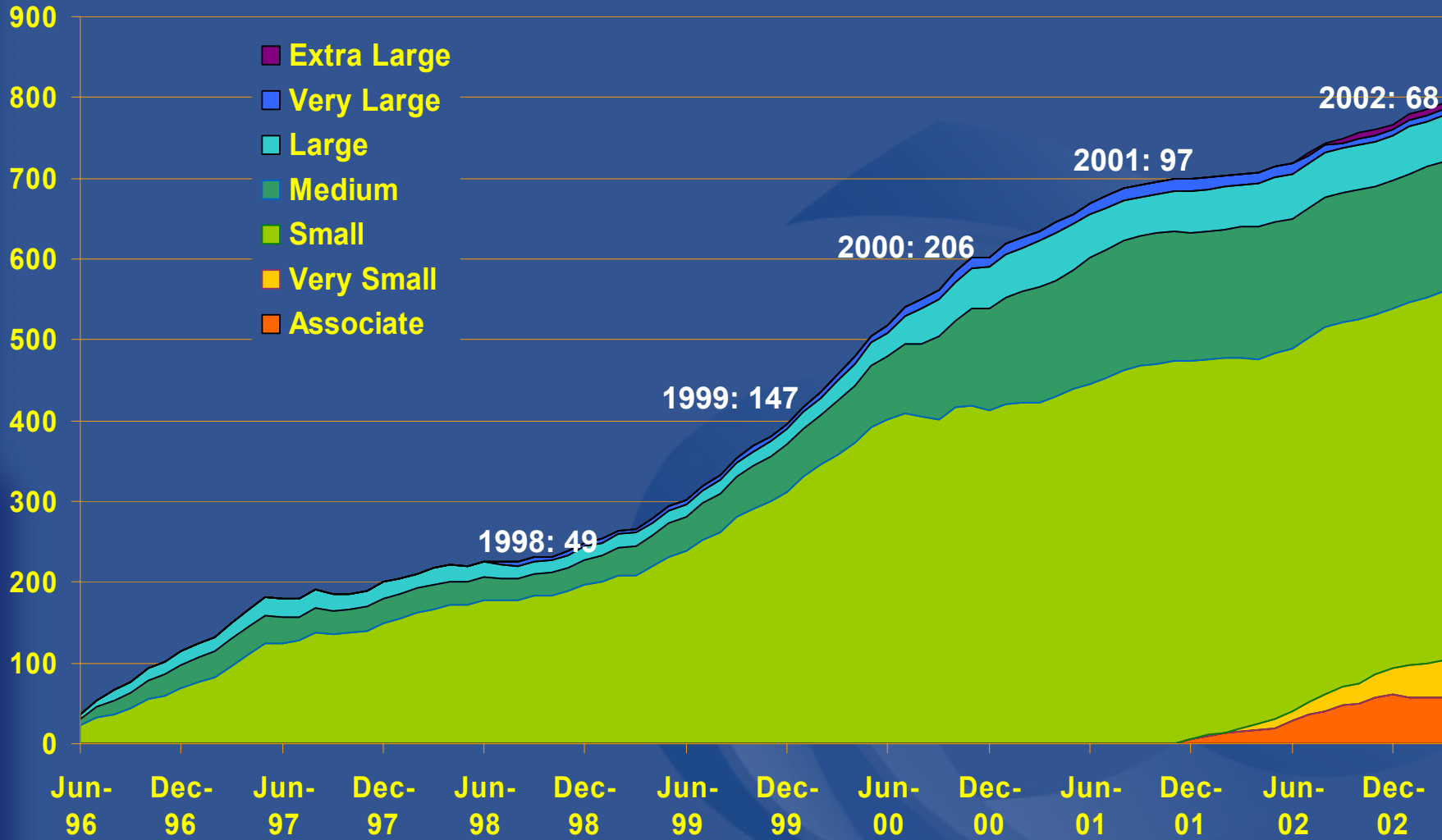
Memphis, Tennessee

6 - 9 April, 2003

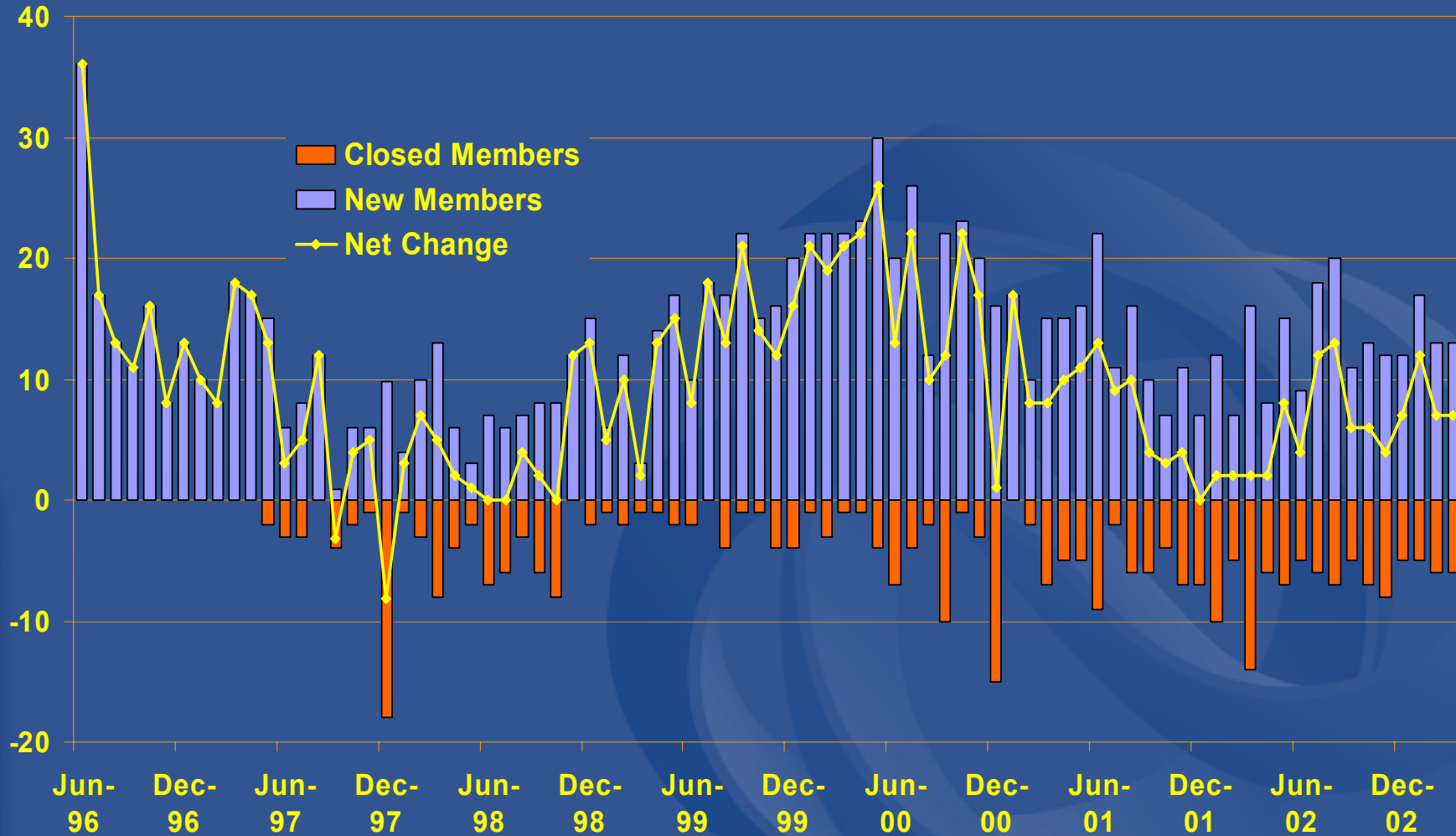
# The APNIC region



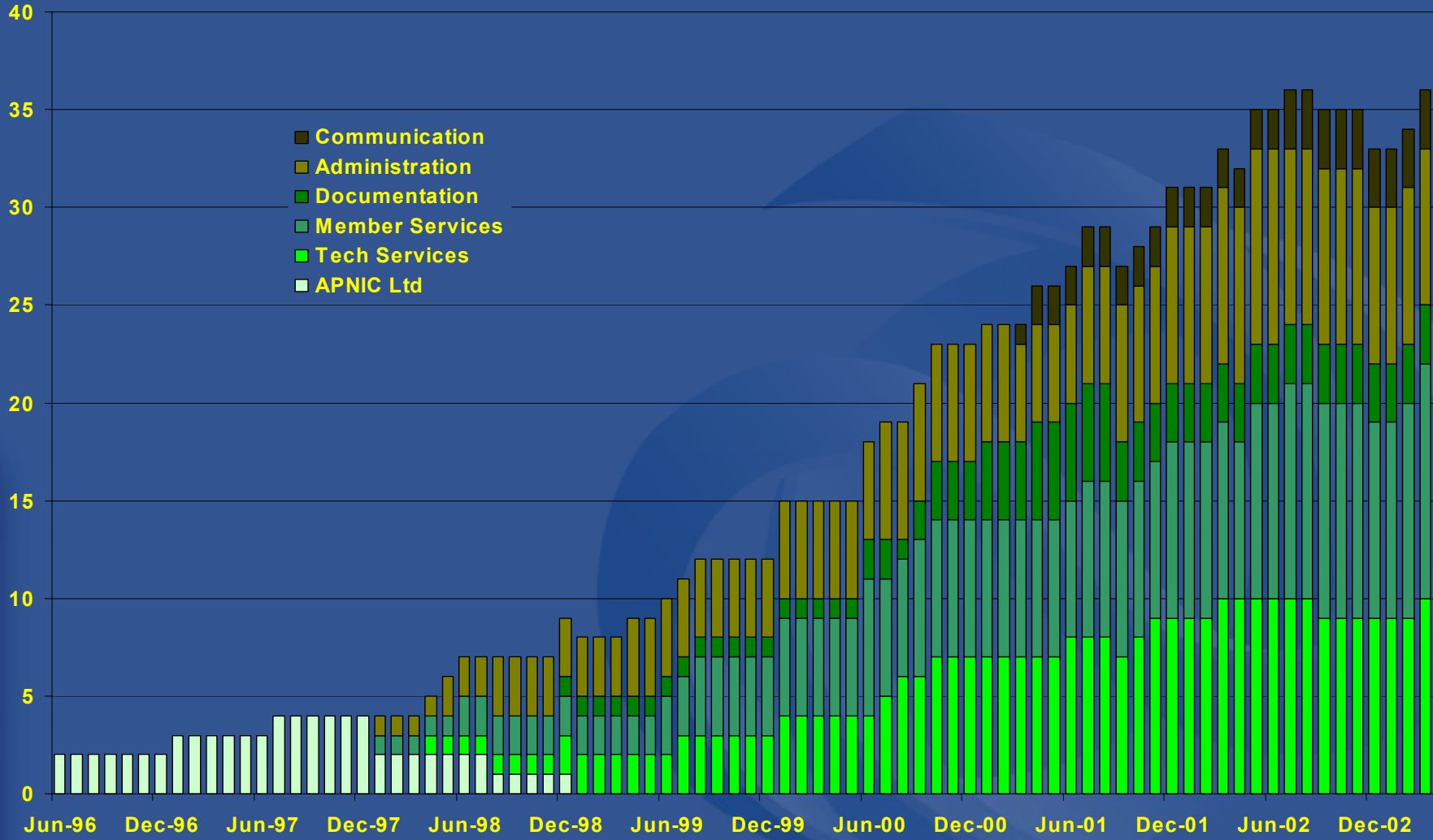
# Total APNIC membership



# Net change in membership per month



# Staffing



# Policy developments at APNIC 15

- Consensus
  - APNIC whois database clean-up
  - VNNIC application as an NIR
- General agreement – mailing list discussion needed
  - Policy development process
  - IPv6 space management
  - Lame delegation clean-up
- No agreement – mailing list discussion needed
  - Requirements for running a local 'whois'
  - NIR fee and voting structure

# IPv6 allocations and reverse DNS

- Since new policy (1 July 2002)
  - 40 *new* /32s allocated
  - 44 /35s upgraded to /32s
    - 17 existing /35s not yet upgraded
- ip6.arpa
  - Delegated and operational for IPv6 allocations
    - 45 /32s delegated in ip6.arpa
    - 22 /32s in ip6.int

# Training

- Training in 2002
  - Increased staffing, frequency
    - 23 training courses in 19 cities in 2002
  - Developed material to support RPSL
- Future developments
  - Redesign current materials
    - Improved modular structure
  - Extend course portfolio
    - Advanced course, DNS, & IRR training courses
  - Integrated training records into MyAPNIC
  - Ongoing work with AP\* outreach



# Communications

- *Apster*
  - Quarterly online newsletter
  - Sent automatically to all members
  - Anyone can download (.pdf)
  - [www.apnic.net/apster](http://www.apnic.net/apster)
  
- Next issue
  - Issue 7 due June



# Apster

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

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## New policies approved at APNIC 14

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

**■ 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 for 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 the 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.

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)

**■ 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)



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## 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 Hirabara (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 Hirabara 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 Walsker, Editor, *Apster* - [rwalsker@apnic.net](mailto:rwalsker@apnic.net)

▼ APNIC staff



 APNIC - Addressing the challenge of responsible Internet resource distribution in the Asia Pacific region  
 Issue 5 January 2003  
[www.apnic.net](http://www.apnic.net)

# Service developments

- Distributed service architecture plan
  - POPs in major exchange points
    - Hong Kong equipment deployed at HKIX
    - “Expressions of interest” call for proposals for hosts in additional locations
- F-root equipment in HK installed
  - Operated by ISC
    - Testing and configuration underway
    - Anycast model for ‘F’
- Both in response to member survey for regional service improvements

# Service developments

- DNS service improvements
  - Deployed BIND9
    - Flatter zone files now served
  - Exploring native IPv6 transport
    - NSPIXP6 IPv6 peering interface enabled
    - IPv6 DNS in NS
      - To be launched with ARIN/LACNIC 1 July
- “MyAPNIC” v1.1
  - Update ‘write’ capabilities
    - Administration information
    - User managements
  - Version 1.2 updates to APNIC whois database



- Resources
- Training
- Administration
- Signoff

Good morning Shuang.  
Have a good day!

**REMINDER**

[August 26]  
Message text

You're here: [Home](#) > [Resources](#) > Expand Graph IPv4

## Resources

### IPv4 Usage

Start IP	CIDR	Assignment Status
218.192.0.0	/20	██
218.192.16.0	/20	██
218.192.32.0	/20	██
218.192.48.0	/20	██████████████████████████████████████
218.192.64.0	/20	██
218.192.80.0	/20	██
218.192.96.0	/20	□□□□□□□□□□□□□□□□□□□□□□□□□□
218.192.112.0	/20	□□□□□□□□□□□□□□□□□□□□□□□□□□
218.192.128.0	/20	██████████□□□□□□□□□□□□□□□□□□□□
218.192.144.0	/20	██
218.192.160.0	/20	□□□□□□□□□□□□□□□□□□□□□□□□□□
218.192.176.0	/20	□□□□□□□□□□□□□□□□□□□□□□□□□□



# APNIC meetings



The banner features a golden dragon head on the left, the text "15th APNIC Open Policy Meeting 24 - 28 February 2003 Taipei - Taiwan" in the center, and the APRICOT 2003 Taipei logo on the right. The background is yellow with decorative patterns.

15th APNIC Open Policy Meeting  
24 - 28 February 2003 Taipei - Taiwan

APRICOT  
2003  
Taipei

- APNIC 15 was in Taipei (24-28 February)
  - Held in conjunction with APRICOT
  - New meeting features: multicast, translation and on-site notice board

- Minutes & info at: <http://www.apnic.net/meetings>

# APNIC15 – On site notice board

APNIC 15 | Onsite Notice Board - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites History Print Copy Paste

Address http://www.apnic.net/meetings/15/onb/index.html



**Floor plans**

**Have your say**

**Photo gallery**

**HM consultation info**

**APNIC staff languages**

**APNIC 15 home**

**ONB 15 home**

**Reminder**

Thank you to everyone attended APRICOT 2003 and APNIC 15.

**Special thanks to**

**Gold sponsor**  
**CNNIC**  
Day 5  
Friday 28

Gold: [CNNIC](#) Silver: [KRNIC](#)

[Become a sponsor or host](#)

**Announcement**

- ▶ **APNIC 16** will be held in Seoul, Korea, 18-22 August 2003.
- ▶ The successful candidates for EC members are: Qian Hualin, Kuo-Wei Wu, Ma Yan, Yong Wan Ju
- ▶ To send us your feedback on APNIC 15, please take a few minutes to fill out '[Have your say](#)' form.

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 schedule** **Friday 28 February**

**Sponsored by:**



[CNNIC](#)

中国互联网络信息中心

Time	Session	Room	Information
9:00 - 17:00	APNIC Member Meeting	<a href="#">101 A+B</a>	▶

To send us your feedback on today's session, please take a few minutes to fill out '[Have your say](#)' form.

**Simultaneous interpretation**

🔊 Simultaneous interpretation was available for this session. (Mandarin only)

此會議以中英文同步翻譯進行

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  - ▶ Announcements
  - ▶ Reminders
- ▶ [Network enquiries](#)

**APNIC staff languages**

中文 / 華語 [Mandarin](#)



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



**Internet Resource Analyst**  
[George Kuo](#)

Other [APNIC staff languages](#)

# APNIC 15, Taipei





# APNIC 15, Taipei



# APNIC 15, Taipei



# Next APNIC meetings

- APNIC 16
  - Seoul, Korea, 19-22 August 2003
  - In conjunction with KLOW (Korea Internet Operations Week)
- APNIC 17
  - Kuala Lumpur, February 2004
  - With APRICOT 2004

*All welcome!*

# APNIC report

*Questions?*