

APNIC History and Overview

AfriNIC Meeting
Cape Town, May 2000

APNIC History and Overview

- ◆ Formation and development
- ◆ Current status
- ◆ Resource status
- ◆ Meetings and coordination
- ◆ Questions



APNIC History

◆ 1992

- ◆ APNIC established by *APCCIRN / APEPG*
 - ◆ Asia Pacific Coordinating Committee for Intercontinental Research Networks
 - ◆ Asia Pacific Engineering and Planning Group
 - ◆ APCCIRN/APEPG later renamed to Asia-Pacific Networking Group (APNG)
- ◆ Established as pilot project to administer address space as defined by RFC-1366
 - ◆ but also had wider brief *“to facilitate communication, business, and culture using Internet technologies”*

APNIC History

◆ 1993

- ◆ APNG unable to provide formal umbrella or legal structure
- ◆ Pilot project concludes, but APNIC continues independently as “Interim Project”
 - ◆ operates under authority of IANA, but still without legal, membership or fee structure

◆ 1994

◆ ...

APNIC History

◆ 1995

- ◆ First APNIC meeting held in Bangkok
 - ◆ 2-day meeting, volunteer-run, no fees
- ◆ Voluntary donation sought according to organisation size:
 - ◆ Small: \$ 1500.00
 - ◆ Medium: \$ 5000.00
 - ◆ Large: \$10000.00
- ◆ Three “member” types defined by APNIC-001:
 - ◆ ISP (Local IR), Enterprise, National

APNIC History

◆ 1996

- ◆ Establishment of membership and fee structure
- ◆ Four membership tiers (APNIC-040):
 - ◆ Large(4) \$10,000/annum
 - ◆ Medium(2) \$ 5,000/annum
 - ◆ Small(1) \$ 2,500/annum
 - ◆ Enterprise(0) \$ 1,500/annum (until 1997)
 - ◆ Also: special “Confederation” category
 - ◆ Also: non-member fee structure
- ◆ First APRICOT meeting held

APNIC History

◆ 1997

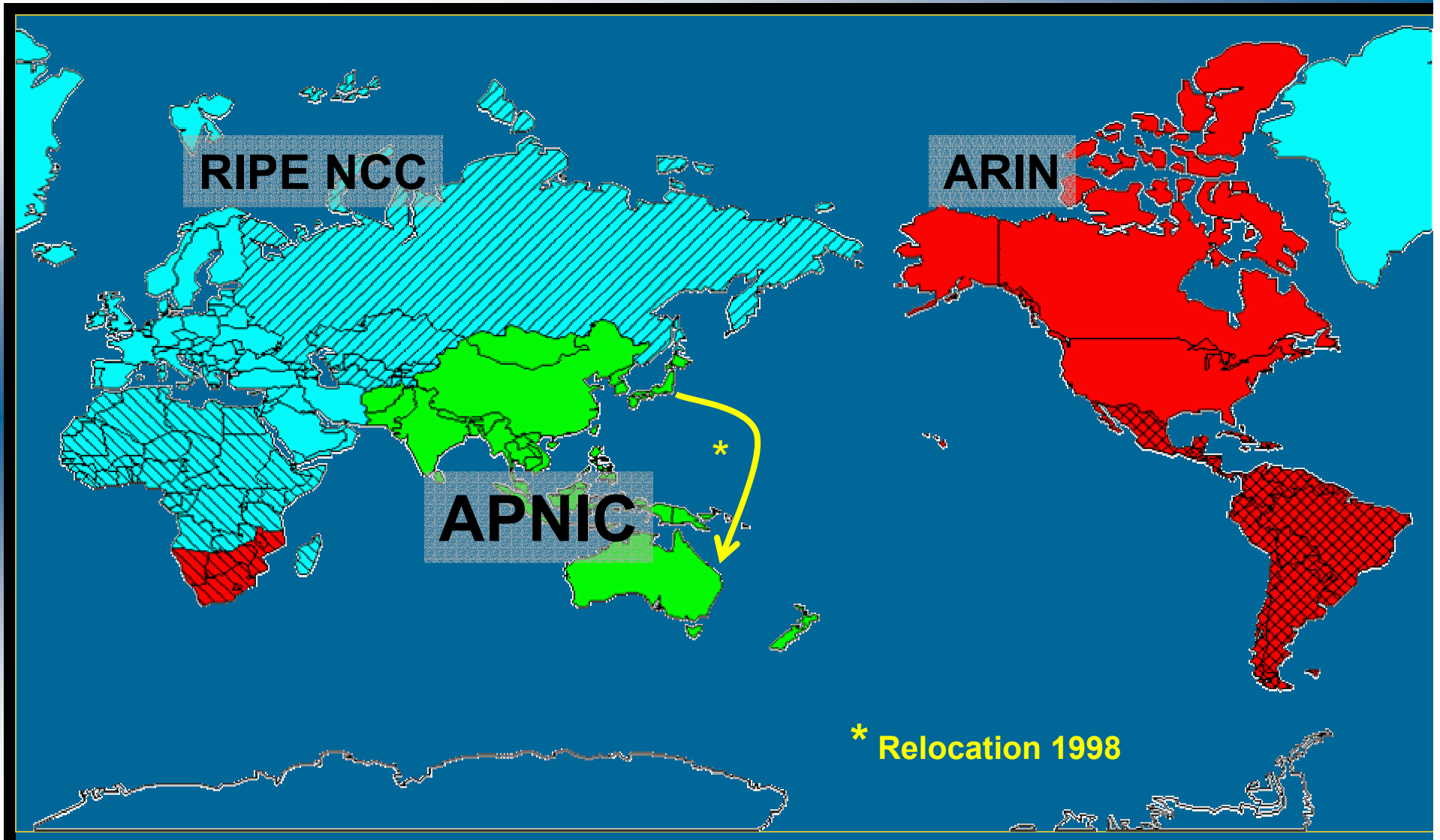
- ◆ Despite membership structure and funding base, growth restricted by local environment
 - ◆ eg staff restricted to 4-5
- ◆ Identified need to move from Japan
 - ◆ for reduction in cost and complexity of operations
- ◆ Independent consultants (KPMG) contracted to identify location

APNIC History

- ◆ 1998
 - ◆ New location announced: Brisbane, Australia
 - ◆ Stable infrastructure
 - ◆ Low cost of living and operation
 - ◆ Tax advantages for membership organisations
 - ◆ Relocation April - August 1998
 - ◆ Continuous operation throughout



APNIC History



ASIA PACIFIC NETWORK INFORMATION CENTRE

APNIC History

- ◆ 1999
 - ◆ Relocation completed
 - ◆ Asian economic crisis ends
 - ◆ Period of consolidation for APNIC...
 - ◆ sustainable growth
 - ◆ policy development
 - ◆ documentation
 - ◆ internal systems

Annual Report 1999

- ◆ APNIC staffing
 - ◆ Grew from 8 to 13 (now 15)
- ◆ APNIC membership
 - ◆ Increased 59% - from 246 to 396 (now 480)
- ◆ APNIC region
 - ◆ Members in 34 of 62 AP “Economies”
(4 new in 1999)
- ◆ APNIC activities...

Annual Report 1999

- ◆ IPv6 services launched
- ◆ Training courses held in five countries
- ◆ ICANN ASO formed
- ◆ Over 13,500 tickets processed
- ◆ Financial security strengthened
- ◆ Strategic planning...



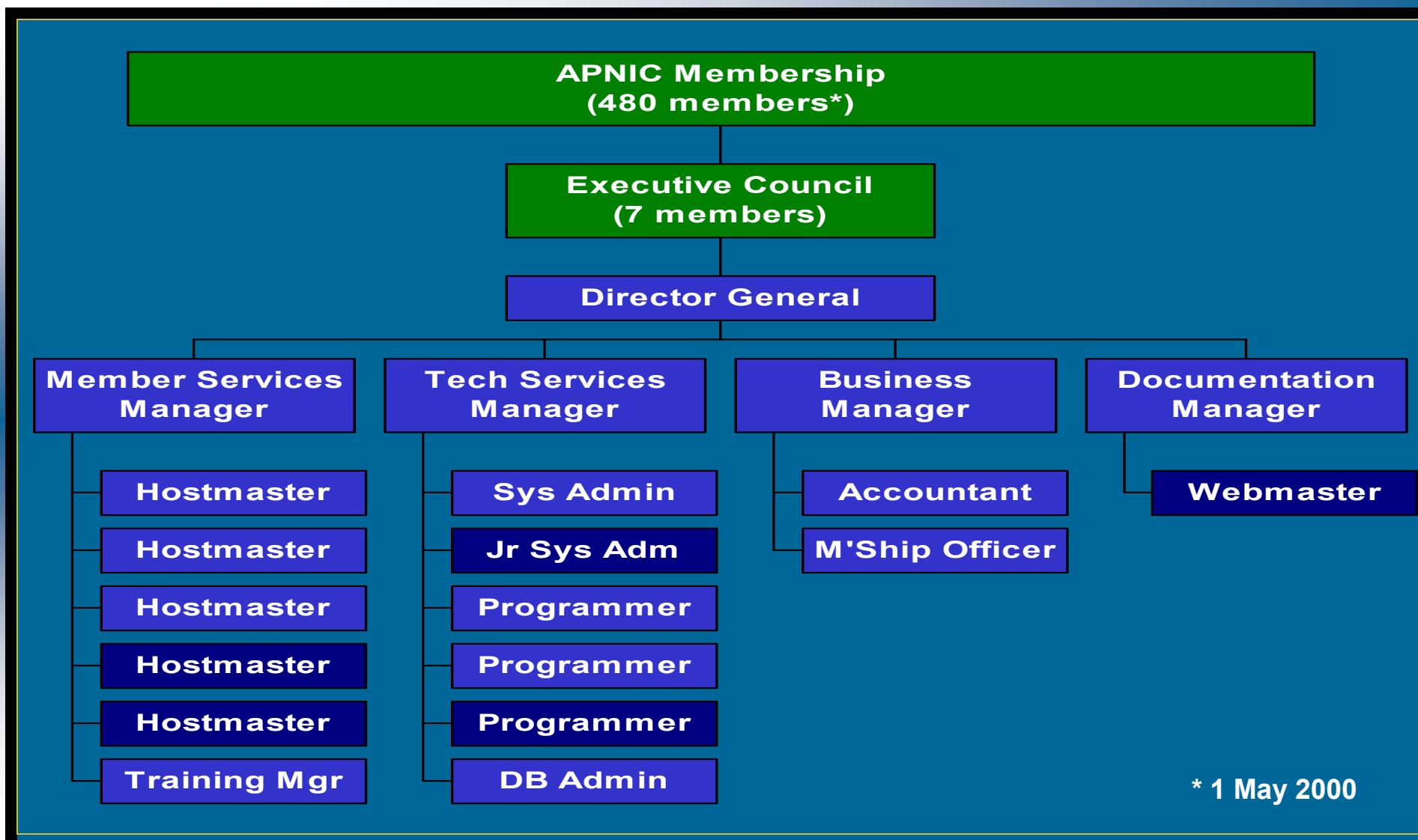
Annual Report 1999

APNIC Mission Statement...

*“Addressing the challenge of responsible
Internet resource distribution in
the Asia Pacific region.”*



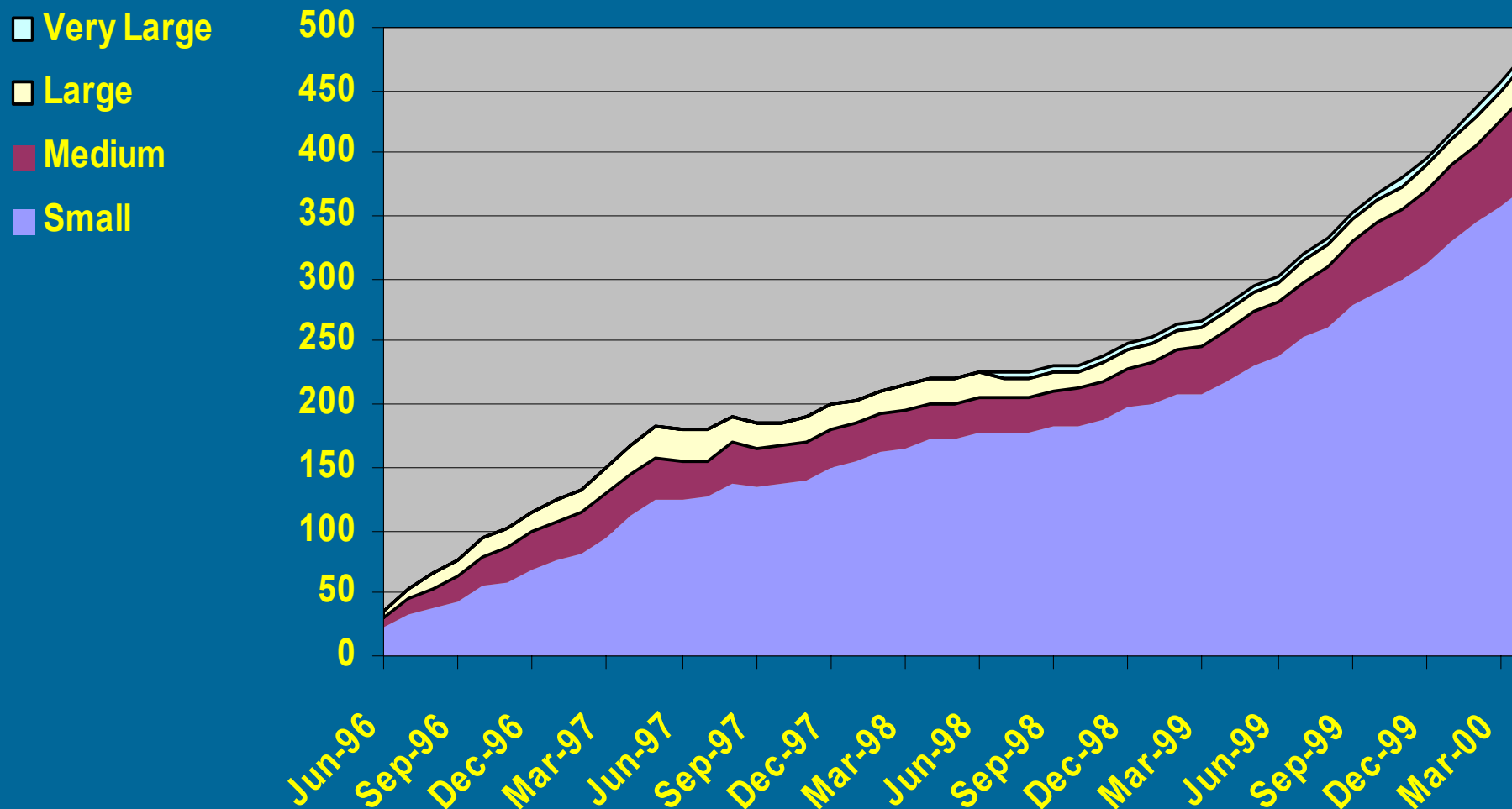
APNIC in 2000



* 1 May 2000

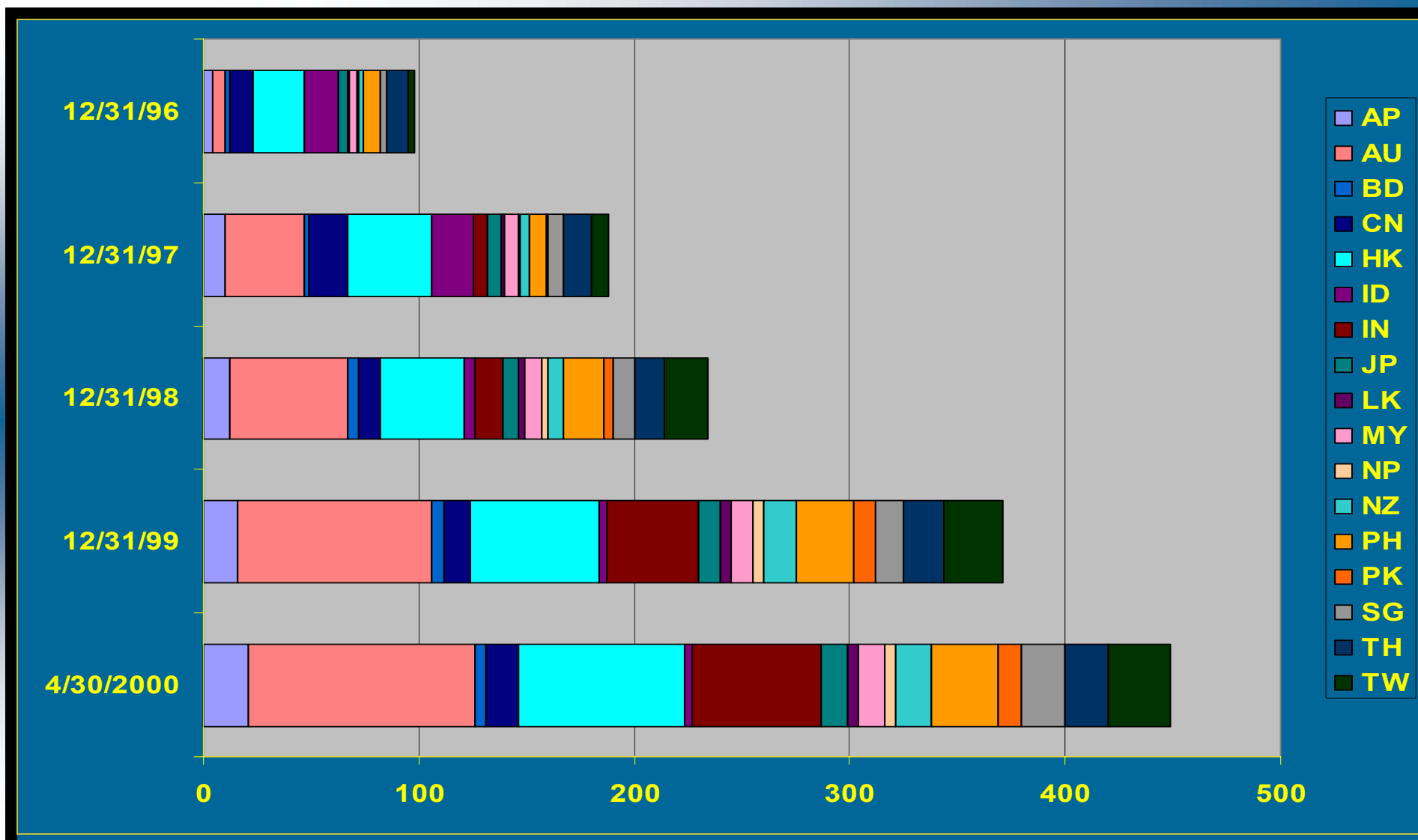


APNIC Membership

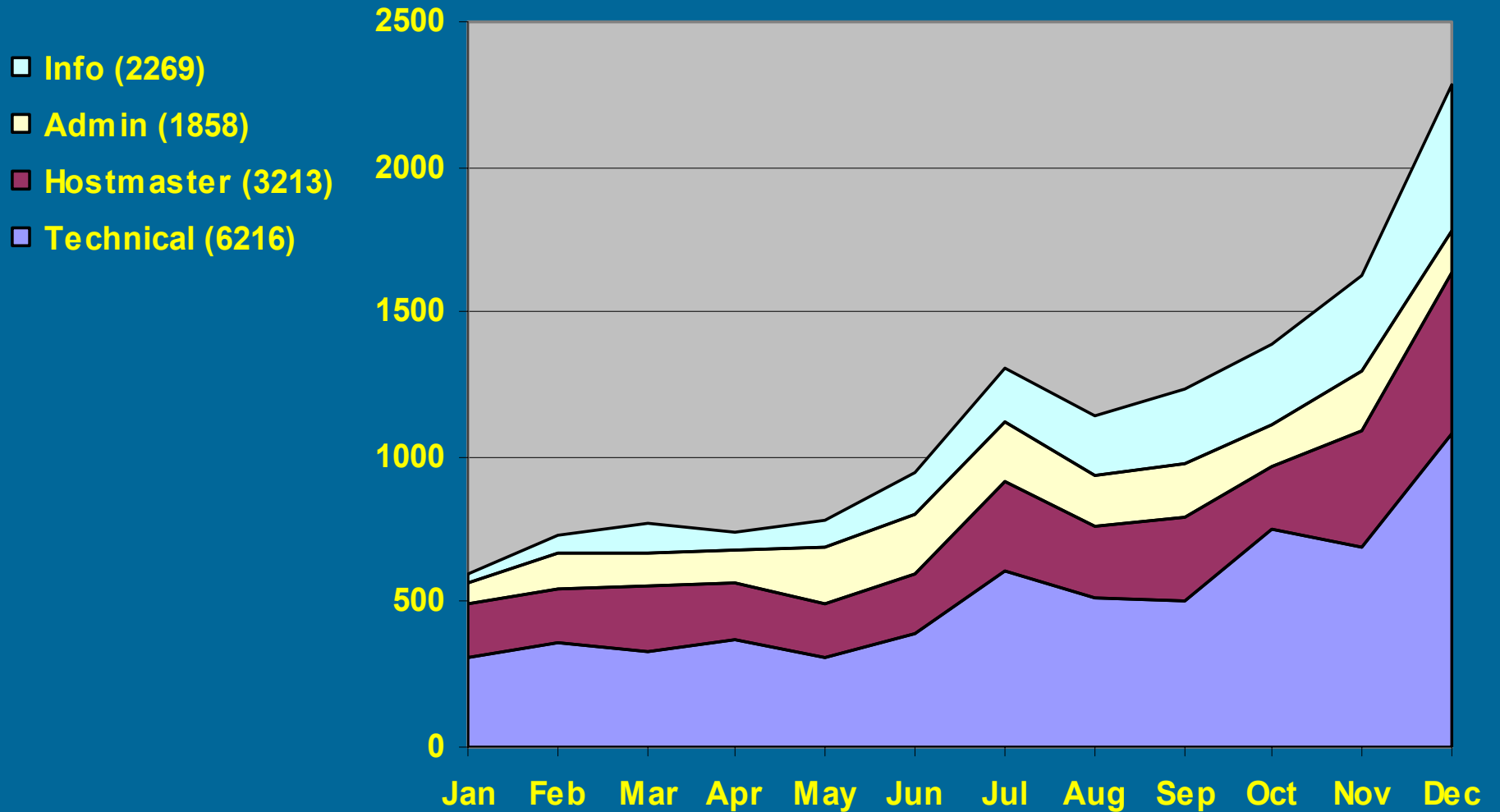




APNIC Membership



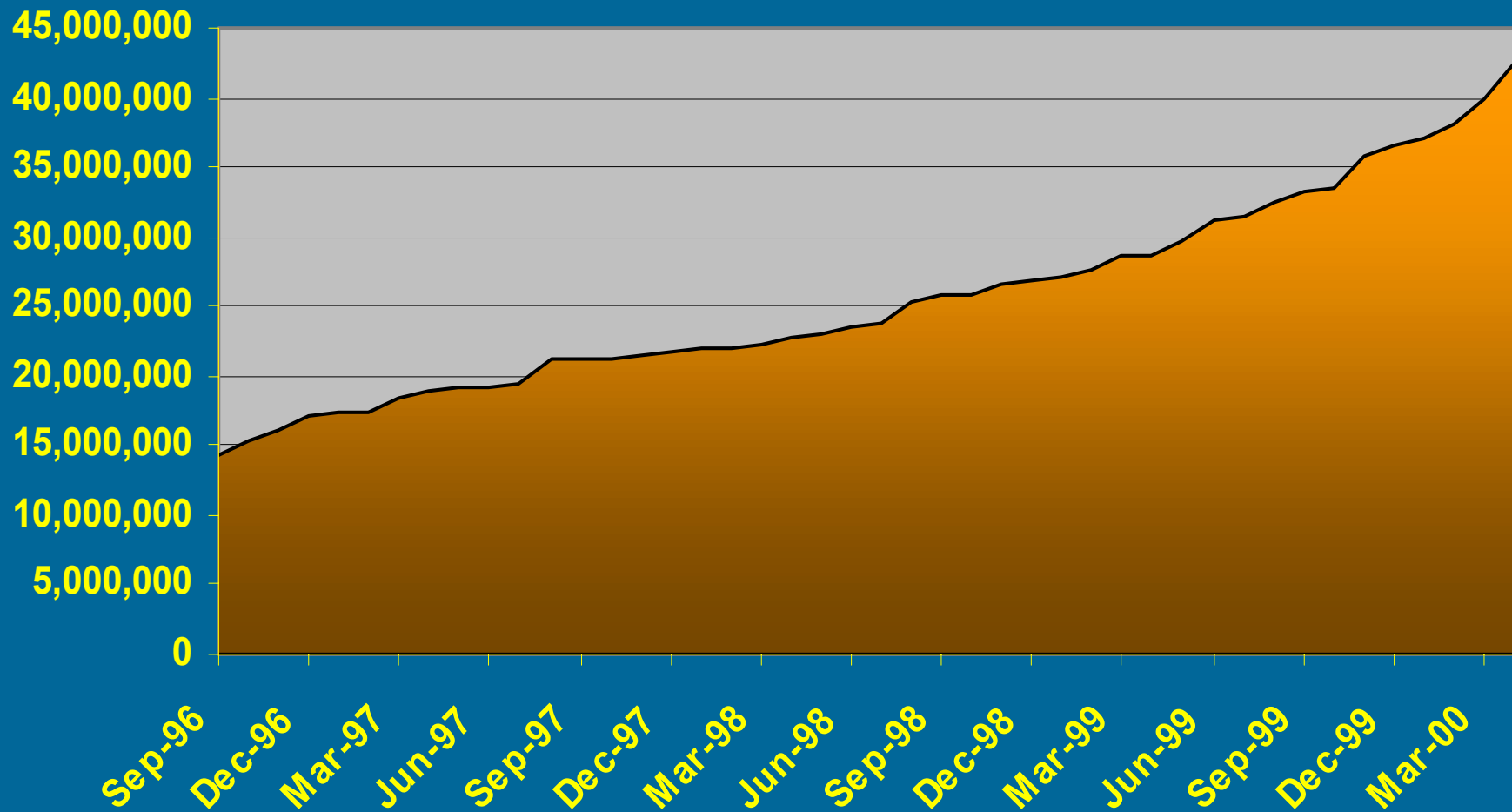
Ticketing System (1999)



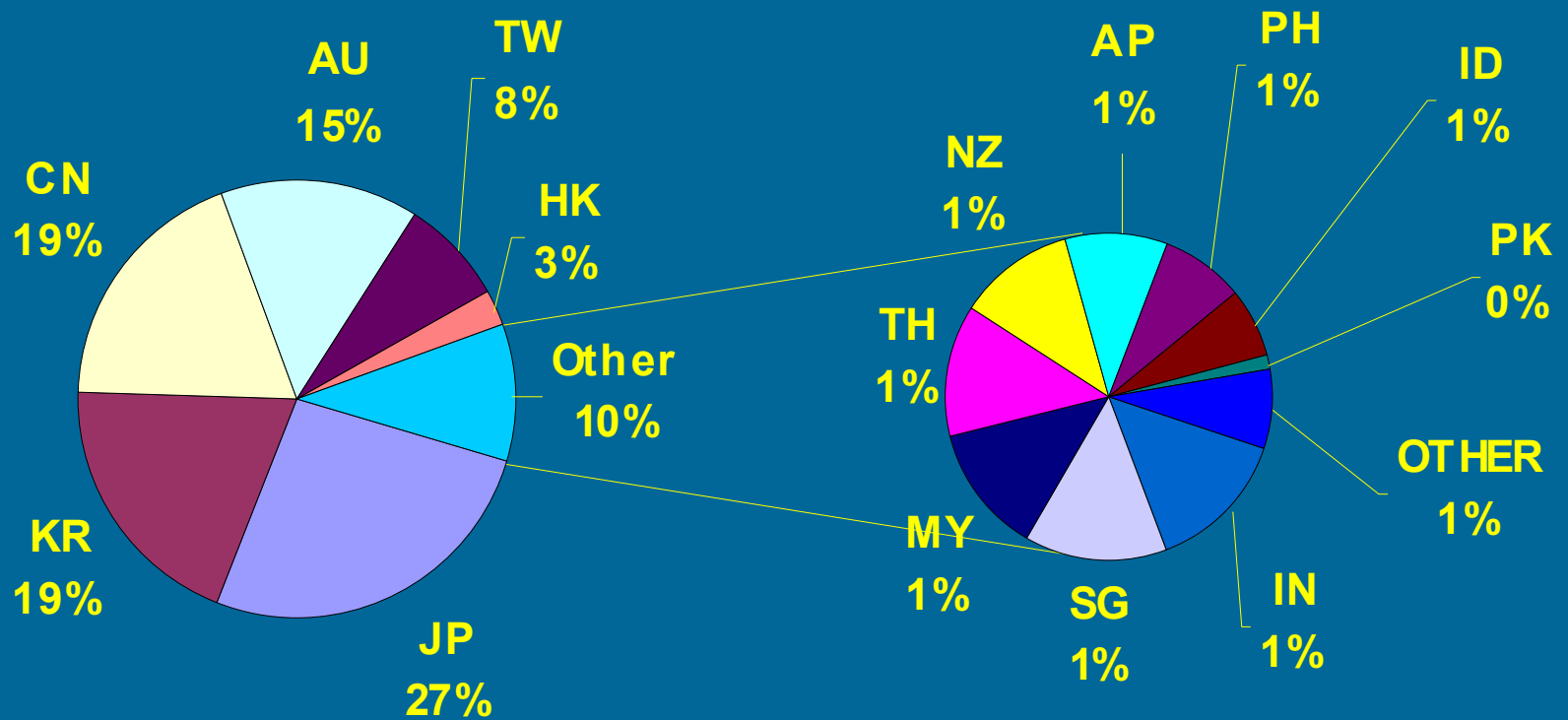
APNIC Resource Status

- ◆ Consumption rate (3 years)
 - ◆ 590,000 IPv4/month (0.42 x /8 p.a.)
 - ◆ 22 ASN/month (264 p.a.)
- ◆ Consumption rate (1999)
 - ◆ 807,000 IPv4/month (0.58 x /8 p.a.)
 - ◆ 27 ASN/month (324 p.a.)
- ◆ Consumption rate (last 12 months)
 - ◆ 1,152,469 IPv4/month (0.82 x /8 p.a.)
 - ◆ 40 ASN/month (480 p.a.)

IPv4 Allocations - Total



IPv4 Allocations - Distribution



IPv6 Allocations - Distribution

Date	Organisation	Economy
13/08/99	WIDE Project	JP
27/08/99	National University of Singapore	SG
16/09/99	Connect.com.au	AU
22/09/99	NTT	JP
6/10/99	Korea Research and Education Network	KR
27/10/99	JENS	JP
24/11/99	Electronics and Telecomms Research Institute	KR
8/02/00	Chunghwa Telecom	TW
8/03/00	Internet Initiative Japan	JP
14/03/00	IMNET	JP
26/04/00	CERNET	CN
2/05/00	Infoweb	JP



APRICOT 2000 (March)

- ◆ APNIC sponsored training and SIG track
- ◆ Training - free for APNIC members
 - ◆ APNIC policies and procedures, IPv6, RPSL
- ◆ SIGs - open to the public
 - ◆ Routing
 - ◆ Database
 - ◆ DNS
 - ◆ Address Policy
- ◆ Annual Members Meeting 2000

Annual Member Meeting 2000

- ◆ APNIC Annual Report
- ◆ EC elections
- ◆ Reports from SIGs
 - ◆ Endorsement of policy recommendations
- ◆ New fee structure approved
 - ◆ Membership category to be determined by total allocations held



APNIC Meeting October 2000

- ◆ Second APNIC meeting in 2000
- ◆ New meeting format
 - ◆ 3 day meeting
 - ◆ Policy and Technical Tracks
 - ◆ SIGs and Plenary sessions
- ◆ Wed 25 to Fri 27 October 2000
 - ◆ Novotel, Brisbane, Australia
 - ◆ see <http://www.apnic.net>
- ◆ All welcome!!!



APNIC Coordination

- ◆ Open APNIC mailing lists
 - ◆ apnic-talk, apnic-members, apnic-announce
 - ◆ email <majordomo@lists.apnic.net>
- ◆ SIG lists
 - ◆ sig-routing, sig-policy, sig-dns etc
- ◆ Others
 - ◆ apops, apple, s-asia-it etc
- ◆ Web site
 - ◆ <http://www.apnic.net>
 - ◆ documents, minutes, archives, forms, tools



APNIC Overview

◆ Questions?