Asia Pacific Network Information Centre

APNIC

Welcome!

APNIC Annual Member Meeting

27 February 2004

Kuala Lumpur, Malaysia

First, thanks to…

Everyone who attended APNIC 17!

Also, we must thank…

Silver Sponsor – APNIC Member Meeting

and…

Silver Sponsor – APNIC Member Meeting

Agenda Overview - AM

9:00	Welcome	
9:15 - 9:45	APNIC Annual report	Paul Wilson
9:45 - 10:00	APNIC Executive Council report	Akinori Maemura
10:00 - 10:30	Forward plan and budget for 2004	Paul Wilson
10:30 - 11:00	Coffee Break	
11:00 - 12:00	RIR Reports	
	- RIR joint statistics	Son Tran
	- ARIN report	Richard Jimmerson
	- LACNIC report	German Valdez
	- RIPE NCC report	Paul Rendek
	- AfriNIC report	Adiel Akplogan
12:00 - 12:30	Open discussion (Open mic)	

Agenda Overview - PM

12:30 – 14:00	Lunch	
14:00 – 15:30	SIG and BOF reports	
	- DNS operations	Joe Abley
	- NIR	Maemura Akinori
	- Database	Xing Li
	- IPv6 (Technical)	Kazu Yamamoto
	- Address Policy	Arano Takashi
	- IX	Philip Smith
	- Routing	Philip Smith
15:30 - 16:00	Coffee Break	
16:00 - 16:15	AC update	Kenny Huang
16:15 - 16:30	ICANN/NRO update	Paul Wilson
16:30 - 17:00	Open discussion (Open mic)	
17:00 - 17:15	EC election results	Paul Wilson
17:15	Next meeting and closing	Paul Wilson

Agenda Bashing

Questions or Suggestions?

Asia Pacific Network Information Centre

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APNIC Annual Report 2003

Overview

- Membership status
- Resource status
- Secretariat
- Member services
- Policy developments
- Major projects
- Financial reports

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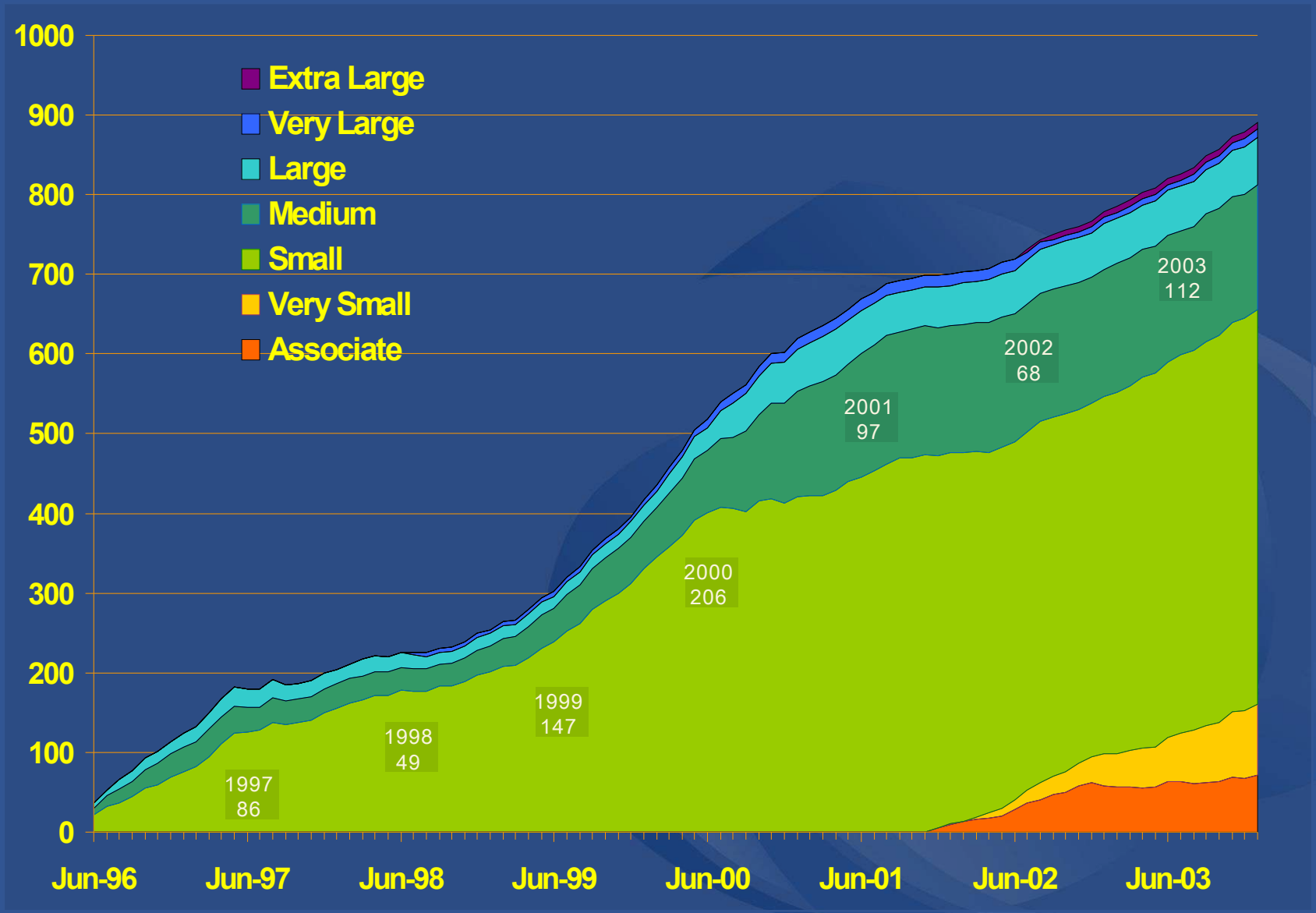
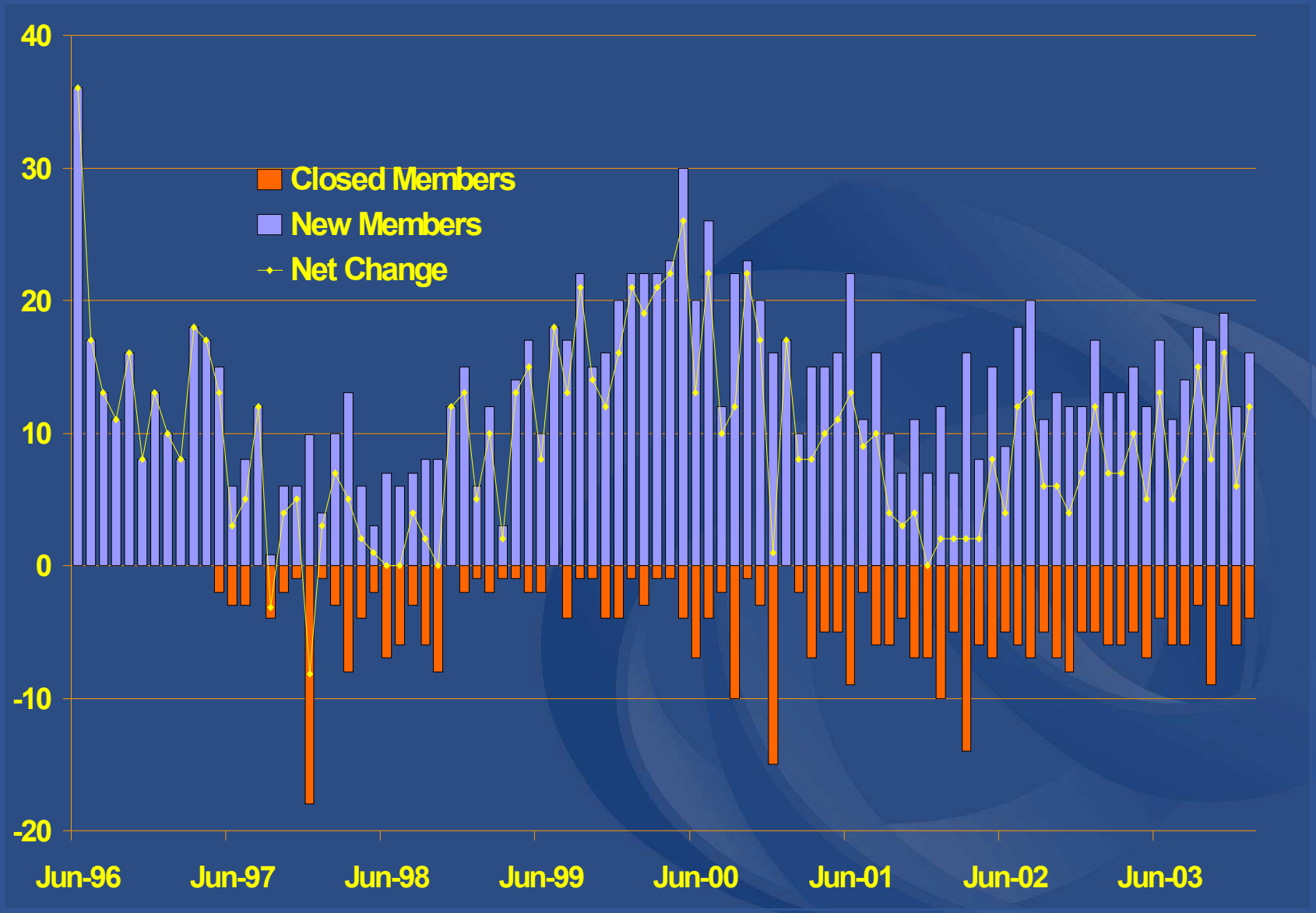
Membership Status

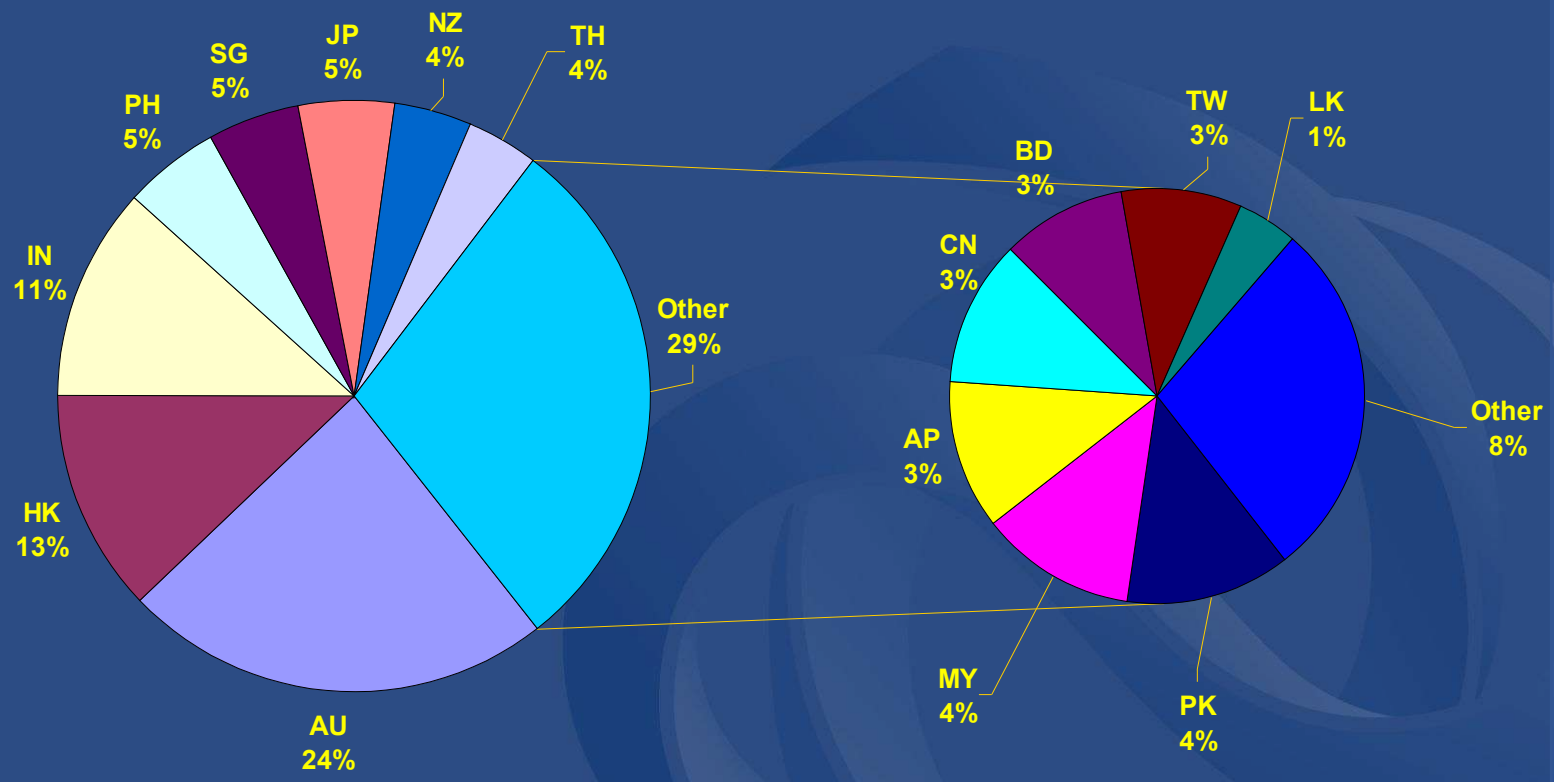
Total Membership



Membership Growth

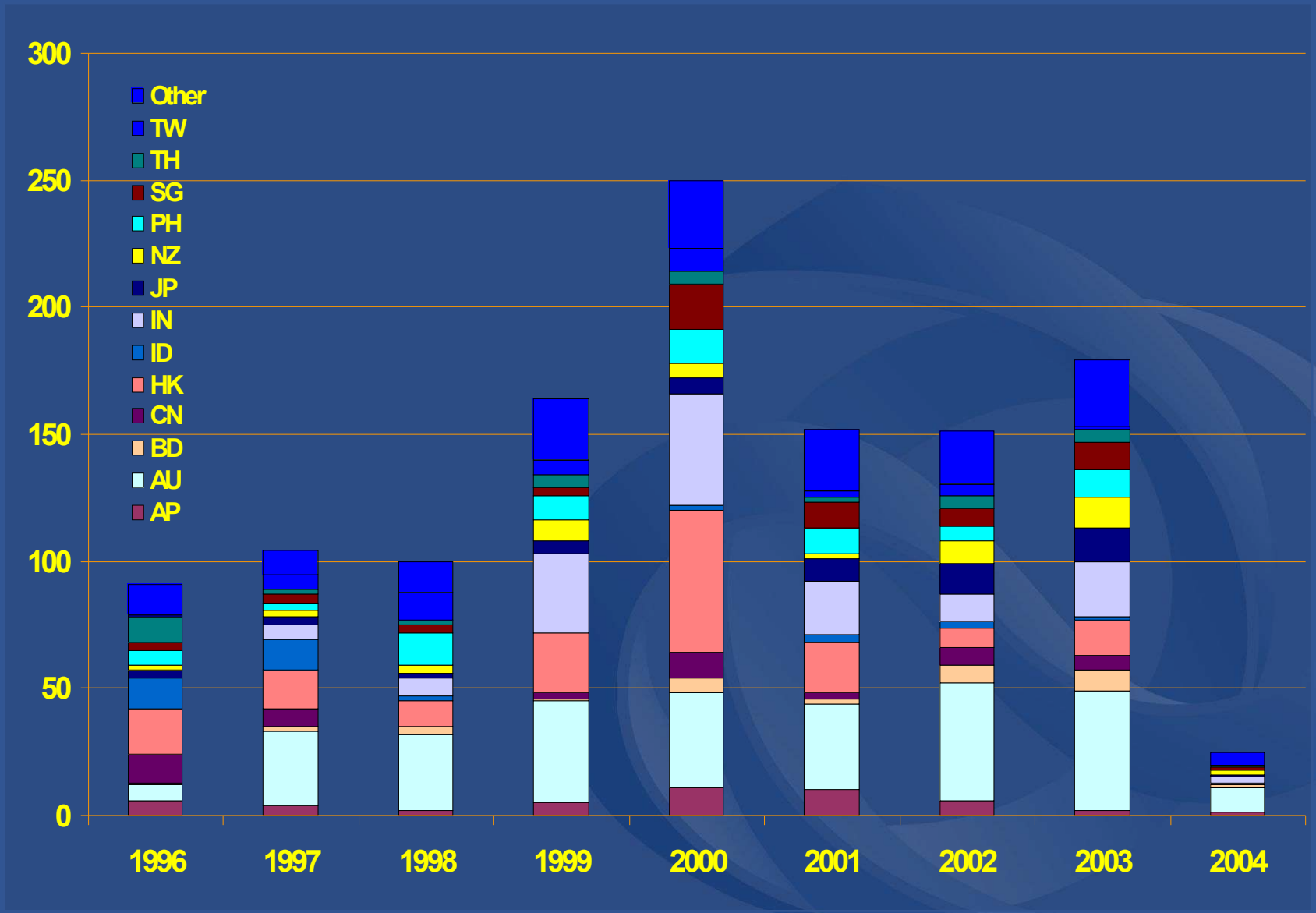


Membership Distribution - Current

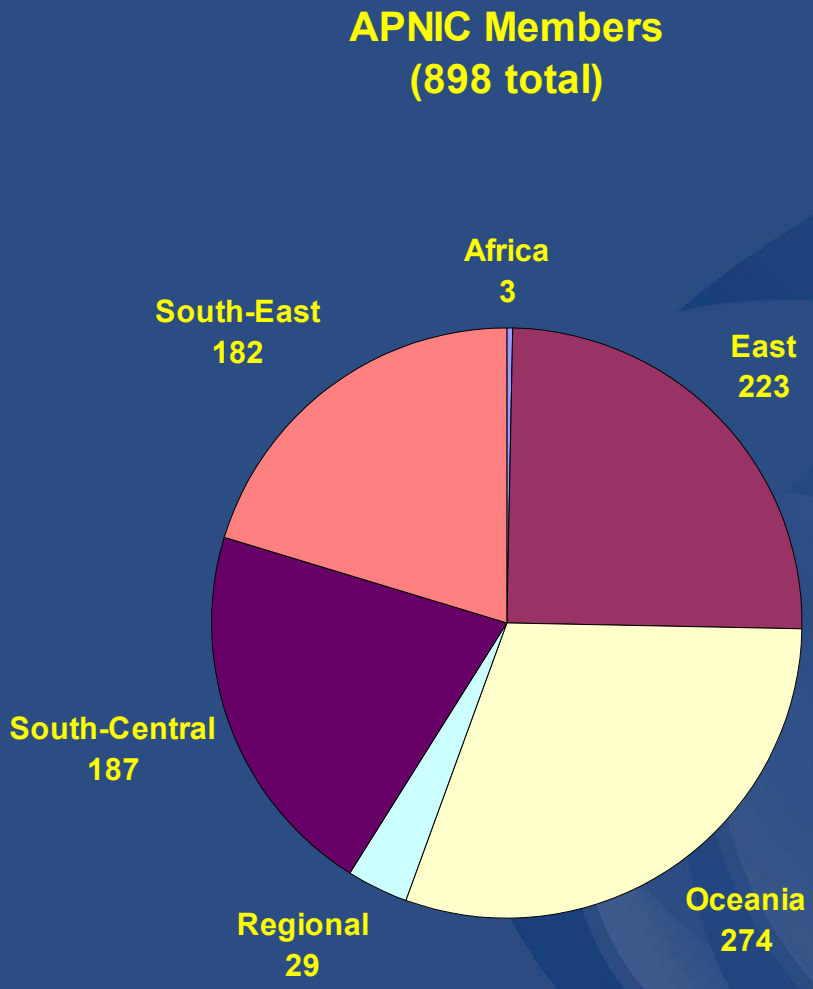


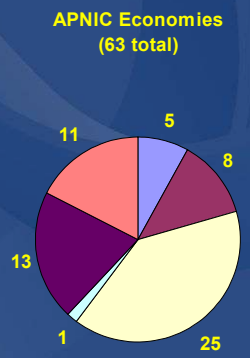
NIRs: APJII, CNNIC, JPNIC, KRNIC, TWNIC, VNNIC

New Membership Distribution



Membership Distribution - Regional





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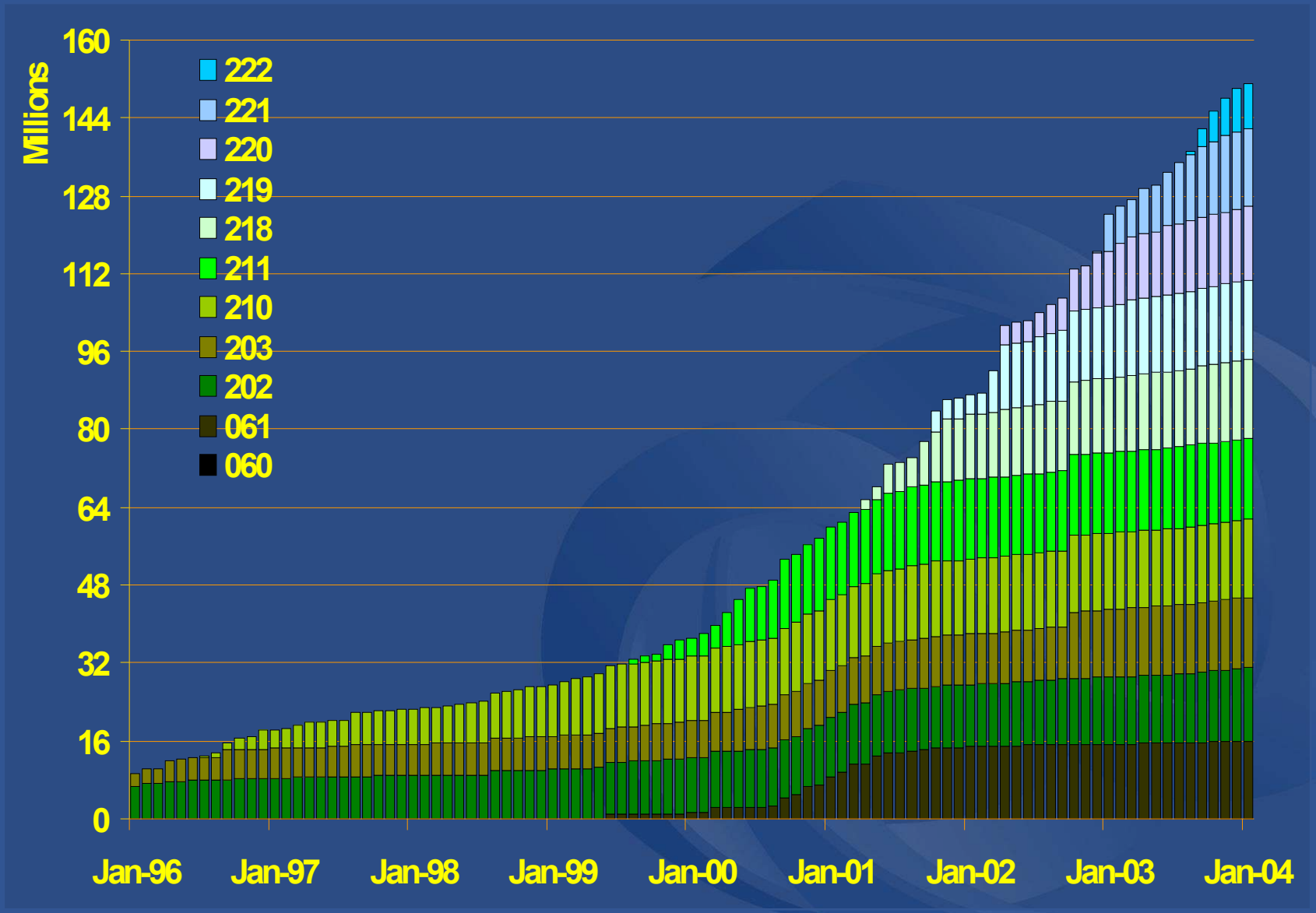
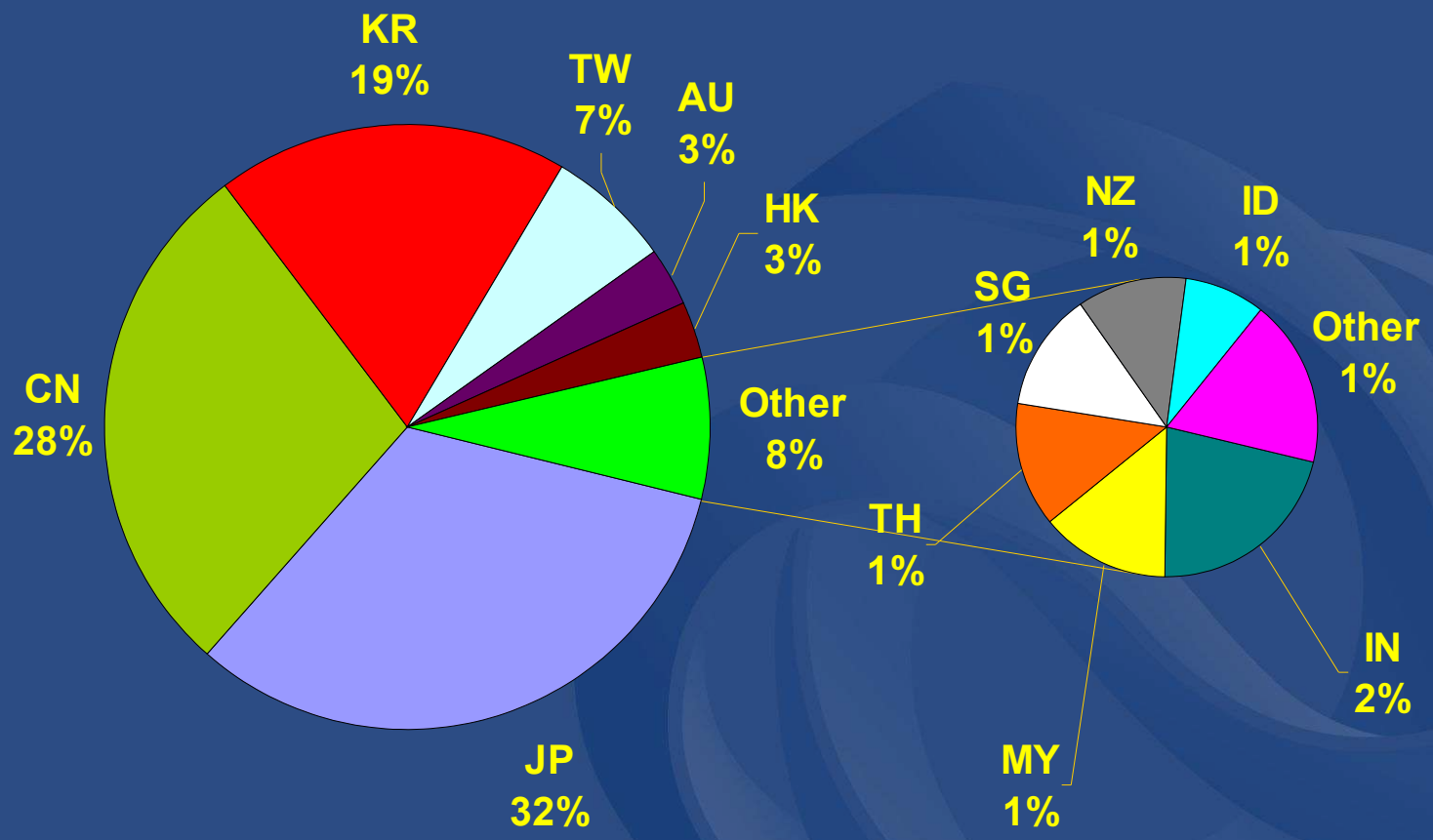
Resource status

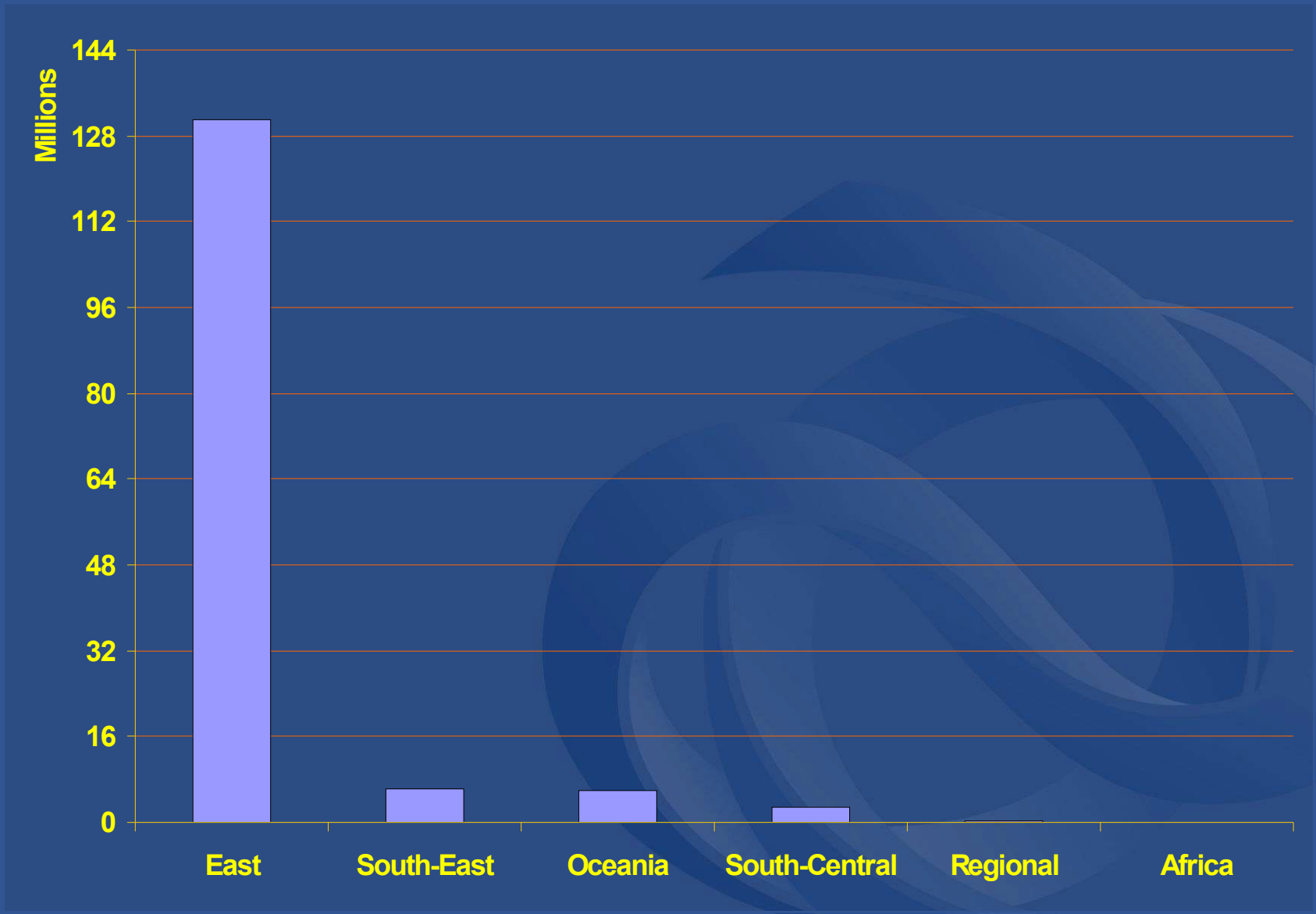
IPv4 Allocations



IPv4 Distribution



IPv4 Distribution – Regional



Ref http://www.un.org/depts/dhl/maplib/worldregions.htm

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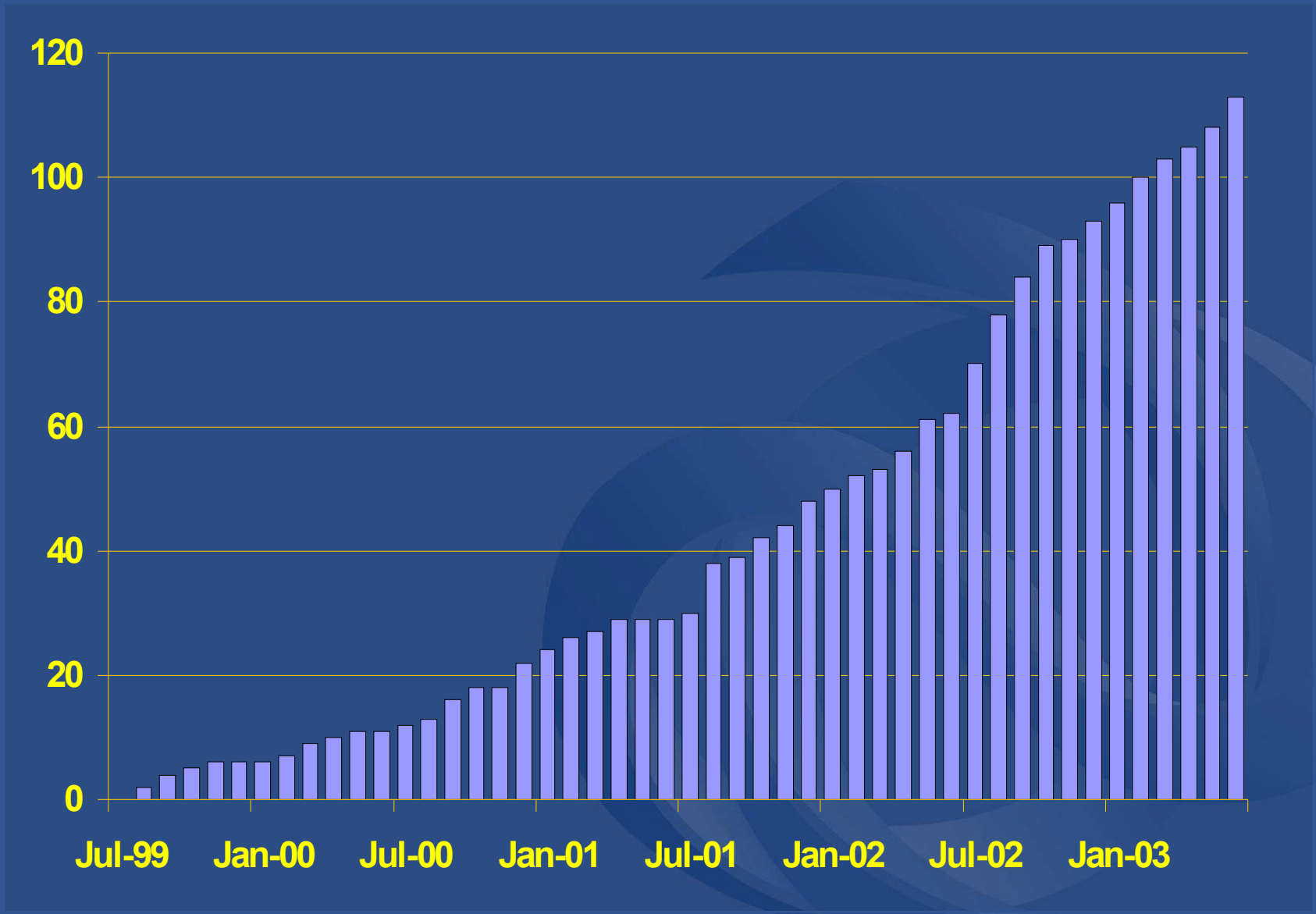
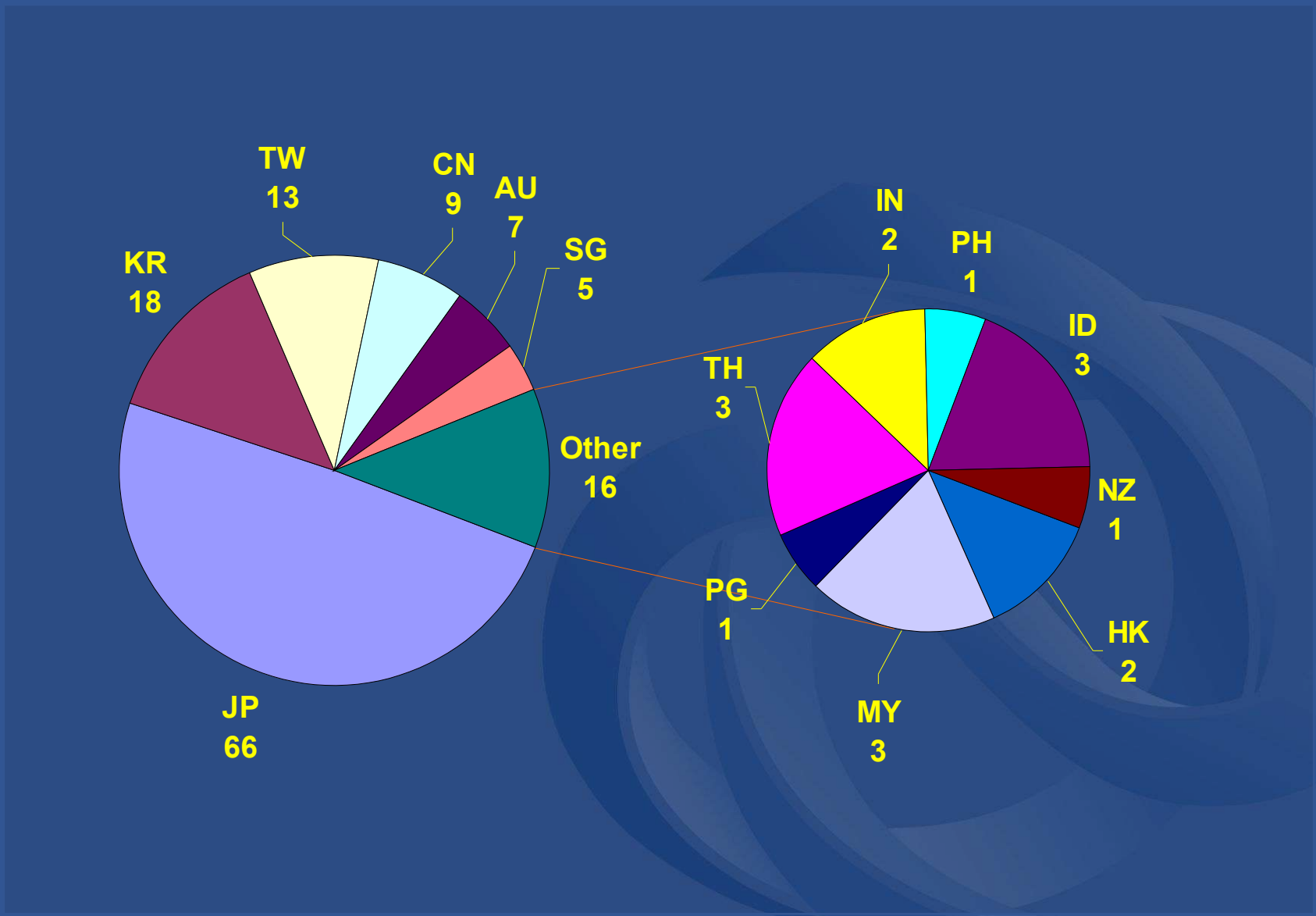
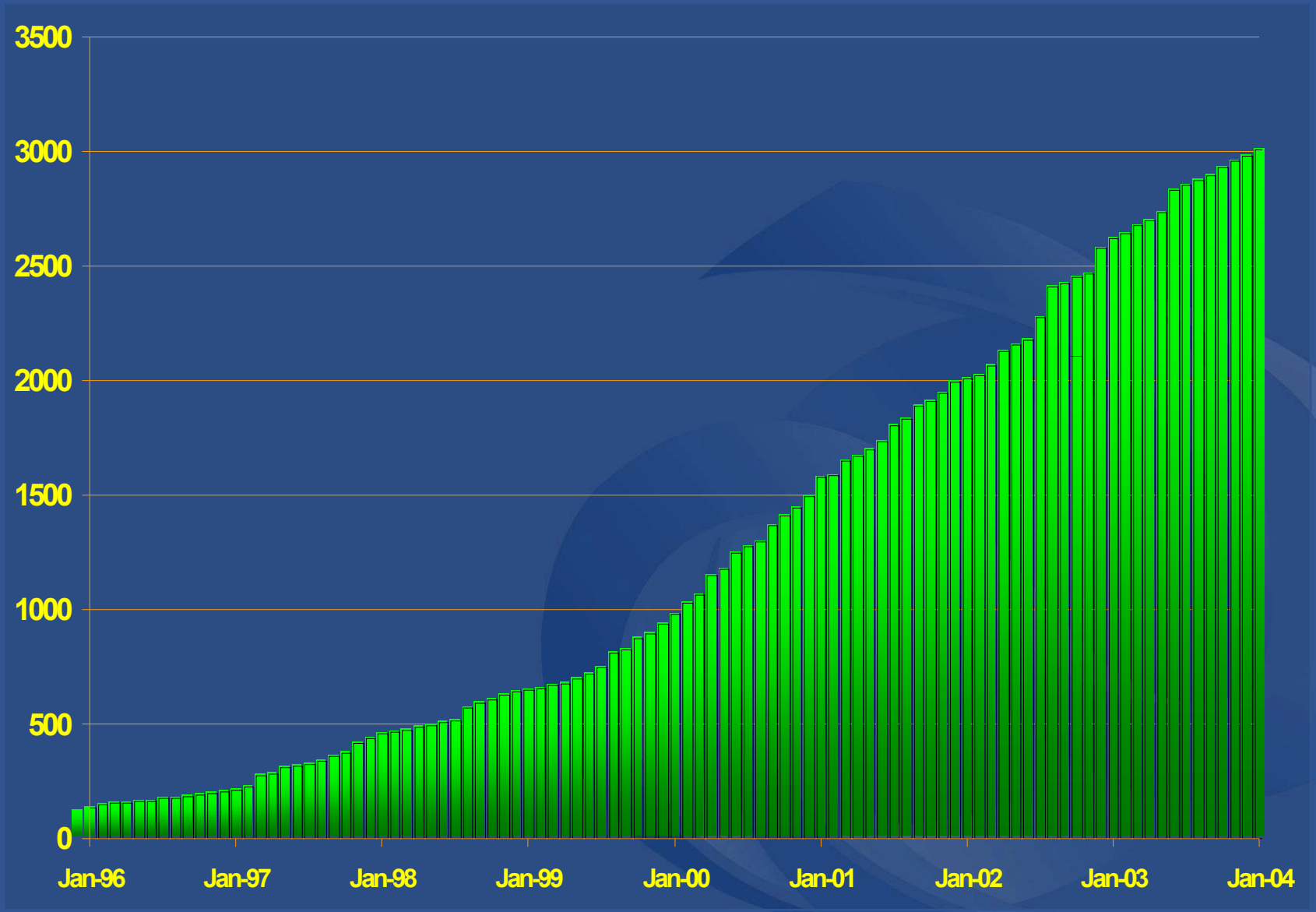
IPv6 Distribution



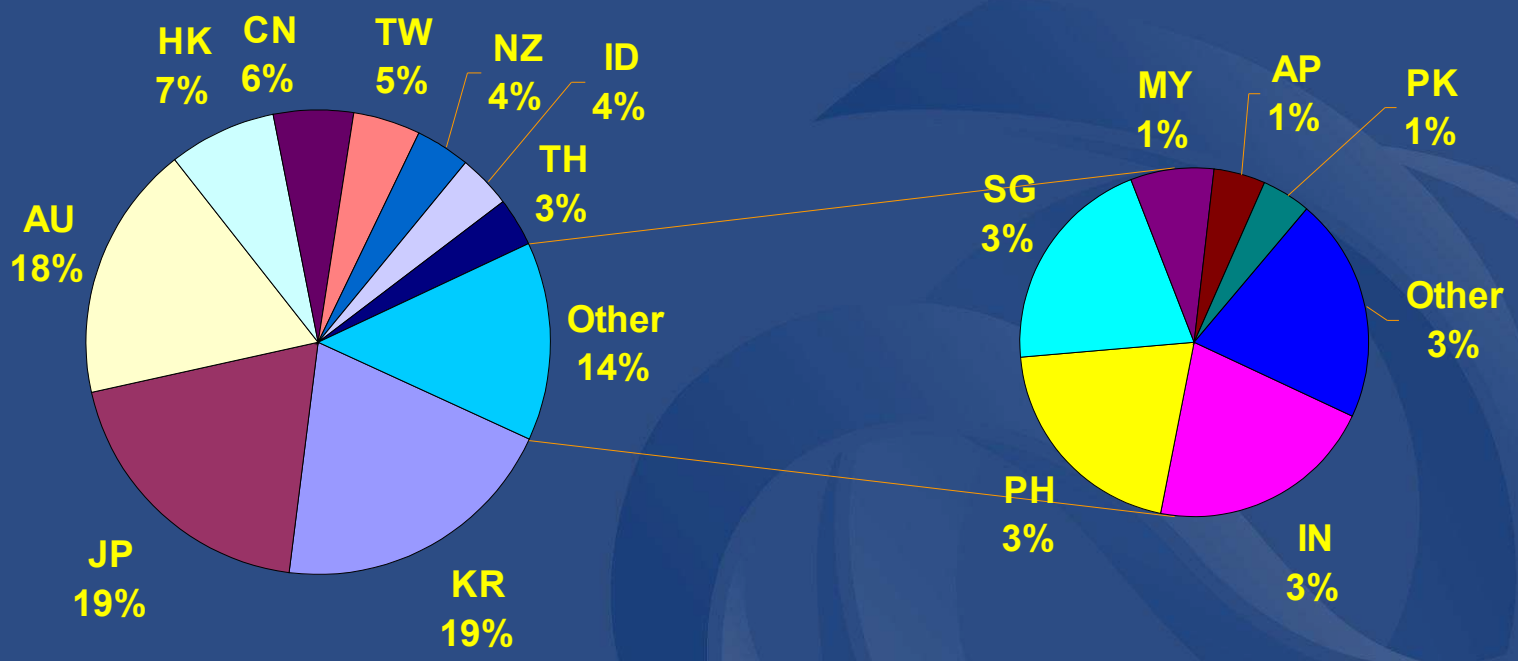
IPv6 Distribution



ASN Distribution



ASN Distribution



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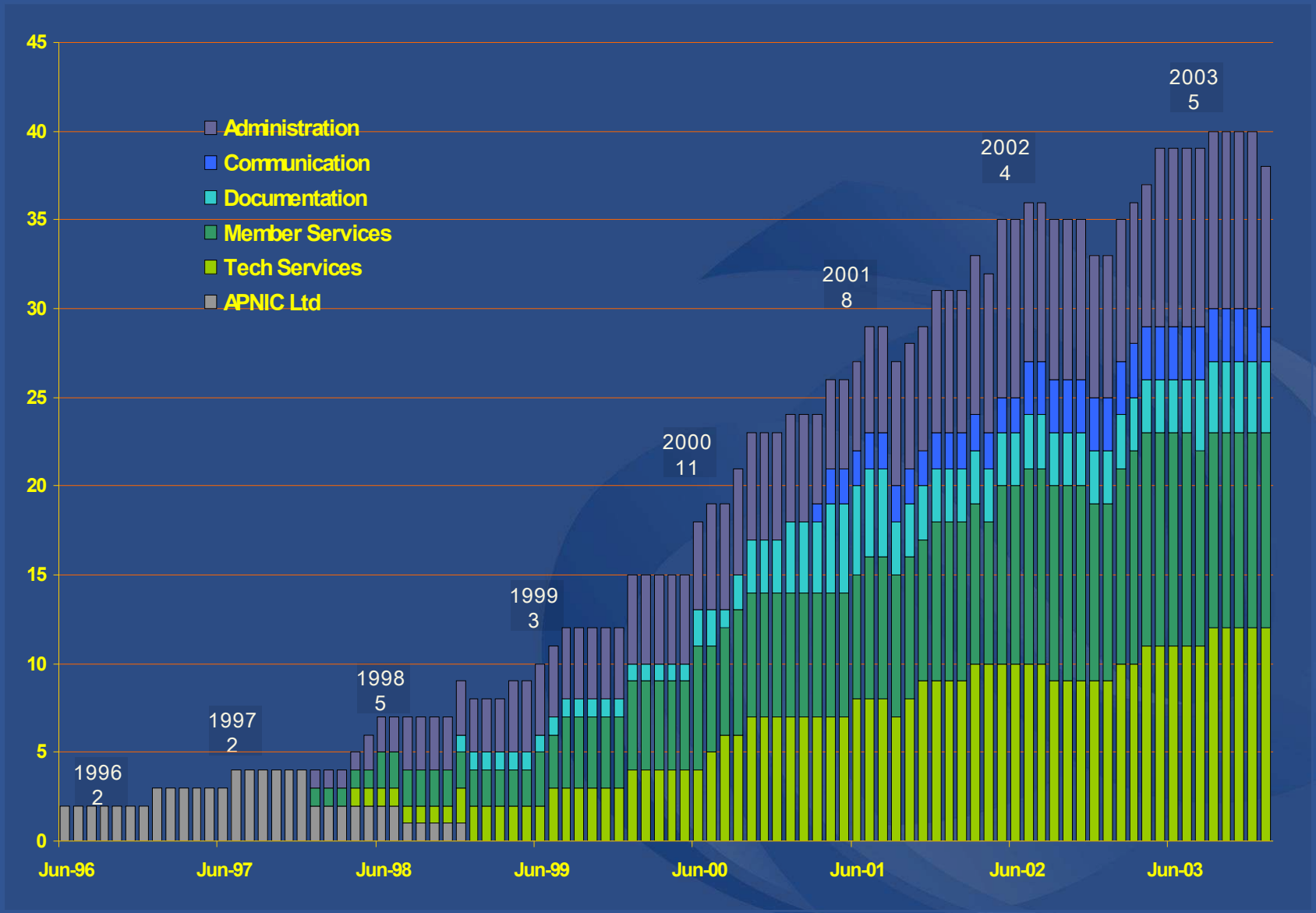
Secretariat

APNIC Staff


45
40
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Administration
Communication
Documentation
Member Services
Tech Services
APNIC Ltd
1996
2
1997
2
1998
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1999
3
2000
11
2001
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2002
4
2003
5
Jun-96
Jun-97
Jun-98
Jun-99
Jun-00
Jun-01
Jun-02
Jun-03

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Member Services

Member Services

- Helpdesk
  - Phone hotline - increasing use
  - Presence at APNIC and other meetings
- Response time
  - One day turnaround time on all requests
- Account management
  - 8 hostmasters, teams of two per account
  - More personal service
- Exchange and training visits
  - Dong Wook Shim, KRNIC (1 month stay)
  - Yuka Suzuki, JPNIC (Mar)

Training

- 23 Courses during 2003
  - Total of 1081 trainees
  - Some cancellations due to SARS
- Core courses
  - Internet Resource Management I
  - Internet Resource Management II
  - Internet Resource Management Essentials
- Technical Courses
  - DNS Practical Workshop (2 day)
  - DNS Advanced Workshop (4 day)
  - IRR Tutorial with hands-on Lab (1 day)

Training Collaboration

- NIRs
  - Training offered at NIR meetings (ID, CN, TW)
- SOI-Asia, Japan
  - On-line video delivery trial
- AIT, Thailand
  - Training administration support
- intERLab, Thailand
  - AIT regional training centre

intERLab

Asian Institute of Technology

Training in 2003

January	Dhaka, Bangladesh	UNDP / SDNP
	Kathmandu, Nepal	SANOG I
	New Delhi, India	
	Bangkok, Thailand	
February	Taipei, Taiwan	APRICOT / APNIC15
March	Vientiane, Laos	PAN Asia Conference
	Sydney, Australia	
June	Jakarta, Indonesia	APJII
July	Auckland, New Zealand	NZNOG
	Mumbai, India	Reliance InfoComm
	Colombo, Sri Lanka	NetSA / SANOG II
August	Hong Kong	Juniper
	Seoul, Korea	APNIC16

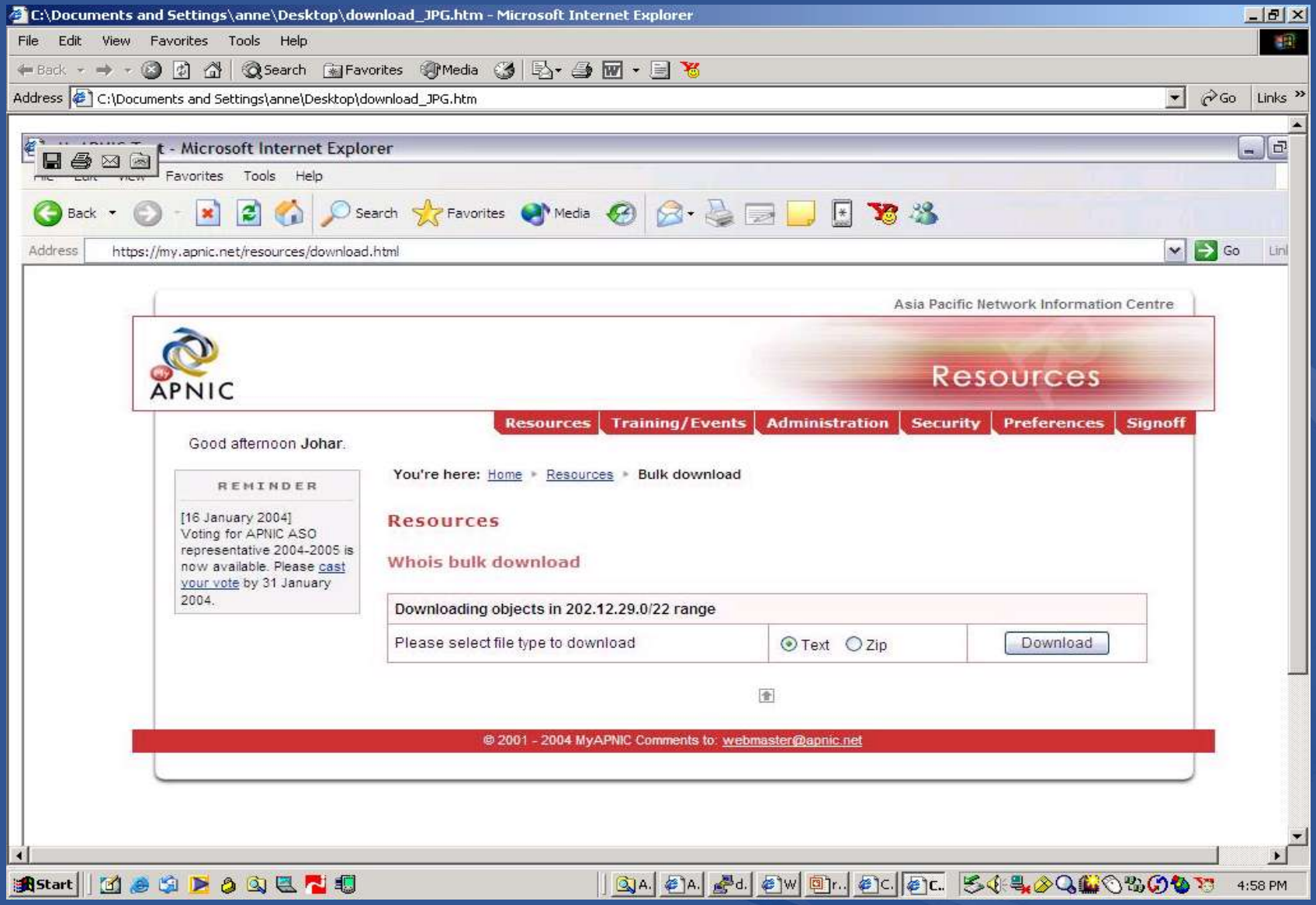
Training in 2003

Septembe r	Manila, Philippines	Meridian Telekoms
October	Nuku'alofa, Tonga	PITA / PICISOC
	Dhaka, Bangladesh	UNDP / SDNP
	Singapore	NCS
	Kuala Lumpur, Malaysia	Jaring
November	Chengdu, China	CNC
	Wuxi, China	ChinaNet
	Hangzhou, China	China Mobile
	Beijing, China	CNNIC
	Ulaan Baatar, Mongolia	Datacom
	Phnom Penh, Cambodia	NiDA
December	Taipei, Taiwan	TWNIC

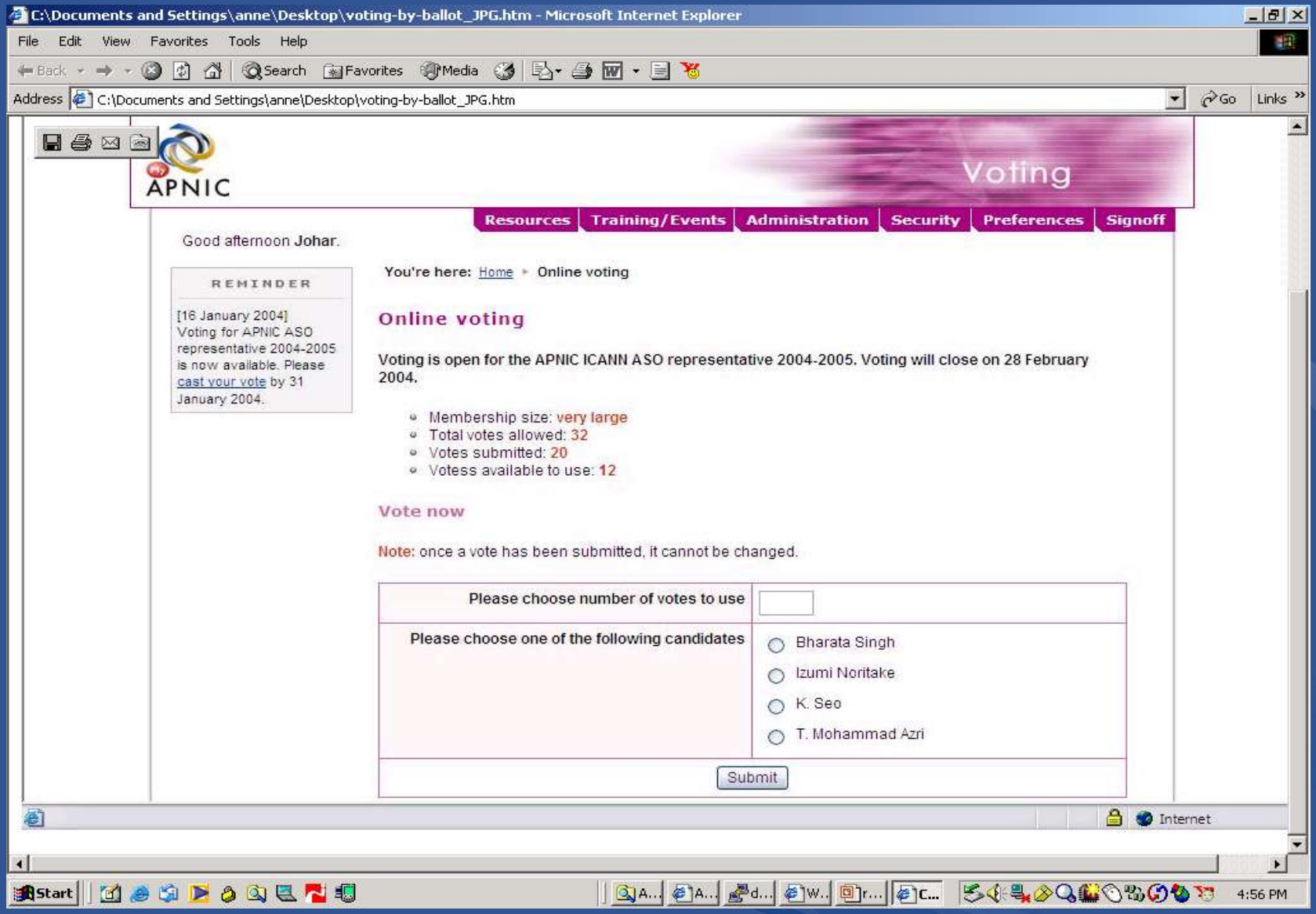
MyAPNIC

- MyAPNIC secure LIR portal
  - 528 individual users registered
  - Version 1.3 launched APNIC17
    - Technical menu, includes ‘looking glass’
    - ISP online request, with data pre-loading
    - Online voting system
    - Bulk data up & download (whois data)
    - Integration with ticketing system
- Improvements in X.509 CA
  - Hardware token engine in deployment
  - Ongoing analysis of PKIX/s-BGP
  - 906 certificates issued

MyAPNIC – Bulk WHOIS Download



MyAPNIC – Online voting



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Communications

APNIC Meetings 2003

- APNIC 15

  - With APRICOT2003, Taipei
  - Interpretation (Mandarin) and Multicast
  - Onsite Notice Board

- APNIC 16

  - Seoul, Korea
  - Interpretation, Multicast, ONB, Captioning

APNIC

Apster

-ster (suffix) One that is associated with, participates in, makes, or does. For example: songster.
Source: www.dictionary.com

www.apnic.net

Issue 9 February 2004

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

The Internet in Malaysia

Malaysia is the host country for 17th APNIC Open Policy Meeting and APRICOT 2004. In this article, we look briefly at the growth and development of the Internet in Malaysia.

The story of the commercial Internet in Malaysia began in 1990, when the Malaysian Institute of Microelectronic Systems (MIMOS, now MIMOS Berhad) launched JARING (Joint Advanced Integrated Networking), the first Malaysian ISP. It was not until 1992, however, with the installation of a satellite link between Malaysia and the US, that Malaysian users gained easy access the global Internet.

The Malaysian government has been an enthusiastic supporter of Internet technology since the early nineties, and has employed a range of policies to encourage Malaysian businesses to venture online. It has also invested in large projects such as the Multimedia Super Corridor, a 50km area stretching north from the Kuala Lumpur International Airport which has attracted more than 900 local and international IT and communication companies.

Malaysia's second ISP, TMNet, launched in 1995. Since then, the market for both commercial and residential Internet access has grown steadily. There are now seven ISPs within Malaysia offering both dial-up and broadband connectivity and in 2002 there were an estimated 7.8 million Malaysian Internet users.*

Kuala Lumpur's Petronas Towers symbolise Malaysia's technological growth.

PIKOM, the Association of the Computer and Multimedia Industry, Malaysia, has estimated that the ICT (information and communication technology) industry will grow to around RM8 billion (US$2.5 billion) in 2004. APNIC currently has 35 Malaysian member organisations, including one Very Large and three Large members.

Over the last few years, the Malaysian IT industry has focused on consolidating its domestic network infrastructure and investigating new developments, including the emergence of IPv6. In 2003, three of the country's largest ISPs, MIMOS Berhad/Jaring, Maxis Communications Berhad, and NTT MSC Sdn. Bhd. teamed up to establish My6, a working group which aims to lay the groundwork for IPv6 implementation in Malaysia. In October 2003, My6 organised the 1st ASEAN IPv6 Summit in Kuala Lumpur, which brought together IT professionals from around the region to discuss some of the issues surrounding IPv6.

Malaysia achieved one of its most significant Internet milestones in November 2003, with the establishment of the Malaysia Internet Exchange (MIX). The MIX is the first Internet Exchange to be set up in Malaysia and provides a common backbone for all Malaysian ISPs, ensuring the robustness of the local Internet.

* Statistics from the 2002 Internet Subscriber Study, published by the National Information Technology Council (NITC), 2003.

The Internet in Malaysia - relevant links

- PIKOM - The Association of the Computer and Multimedia Industry, Malaysia
  http://pikom.org.my
- My6 - Malaysia next generation IP services exploration
  http://my6.mosti.my
- MIMOS - Malaysian Institute of Microelectronic Systems
  www.mimos.my

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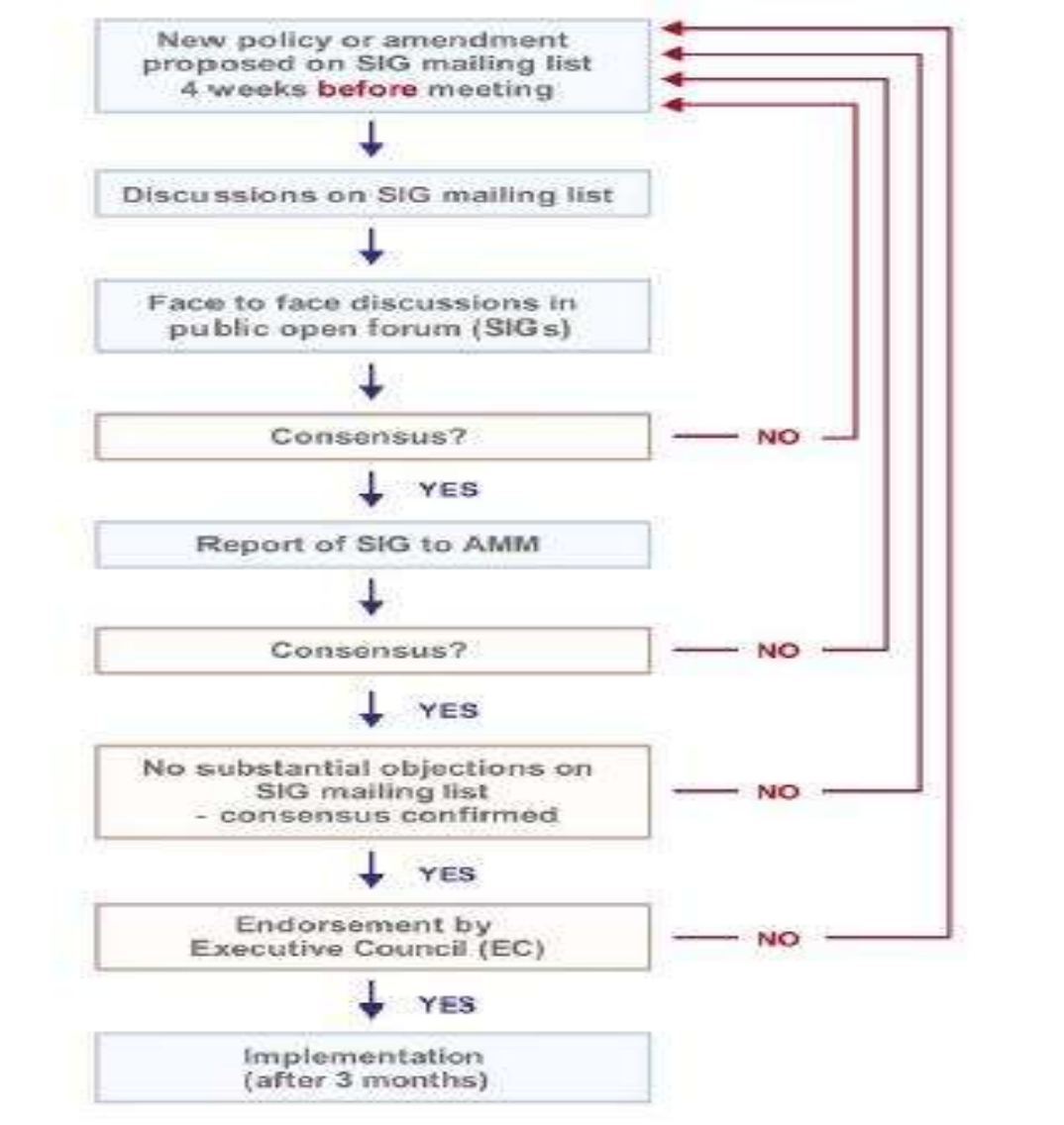
Policy developments

Policy Development Process



Policy Development

- EC endorsed decisions from APNIC16
  - prop-001-v001 Policy process modification
  - prop-002-v001 Documentation policy
  - prop-004-v001 Lame delegation cleanup revised
  - prop-006-v001 Supporting historical resource transfers
  - prop-007-v001 Privacy of customer assignment records
  - prop-008-v001 IANA IPv4 resource request procedures
  - prop-010-v001 Protecting resource records in APNIC Whois DB
  - prop-011-v001 IXP assignments

Policy Development

- New/Modified proposals at APNIC17
  - prop-003-v002 Policy for mirroring on IRR
  - prop-013-v001 LIRs to manage multiple discreet networks under a single APNIC membership
  - prop-014-v001 A proposal to lower the IPv4 minimum allocation size and initial allocation criteria in the Asia Pacific region
  - prop-015-v001 Should APNIC allocate global unicast IPv6 address space to 'unconnected' networks
  - prop-016-v001 IPv6 allocations to IPv4 networks
  - prop-017-v001 Proposal to recover unused address space

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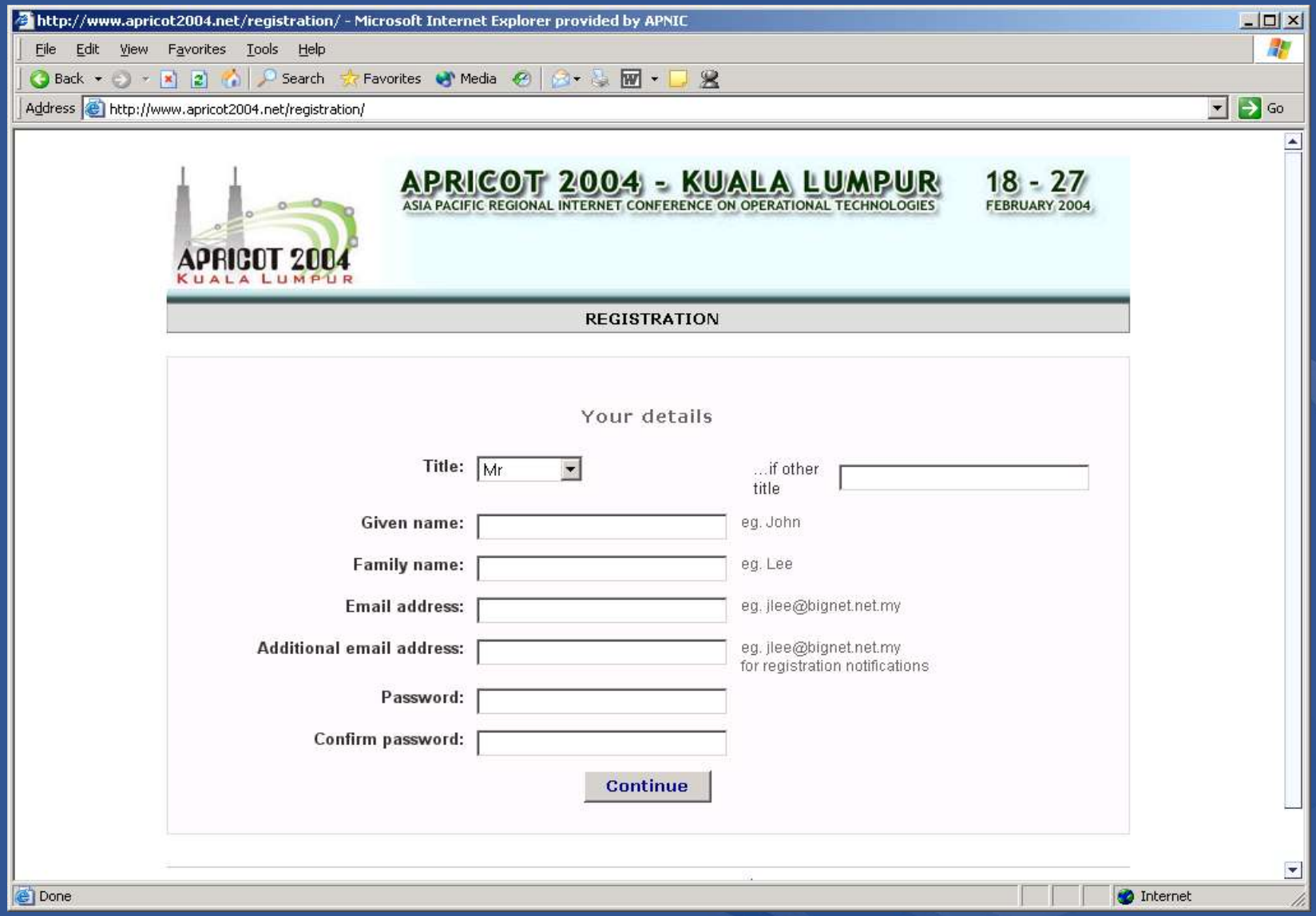
Major projects

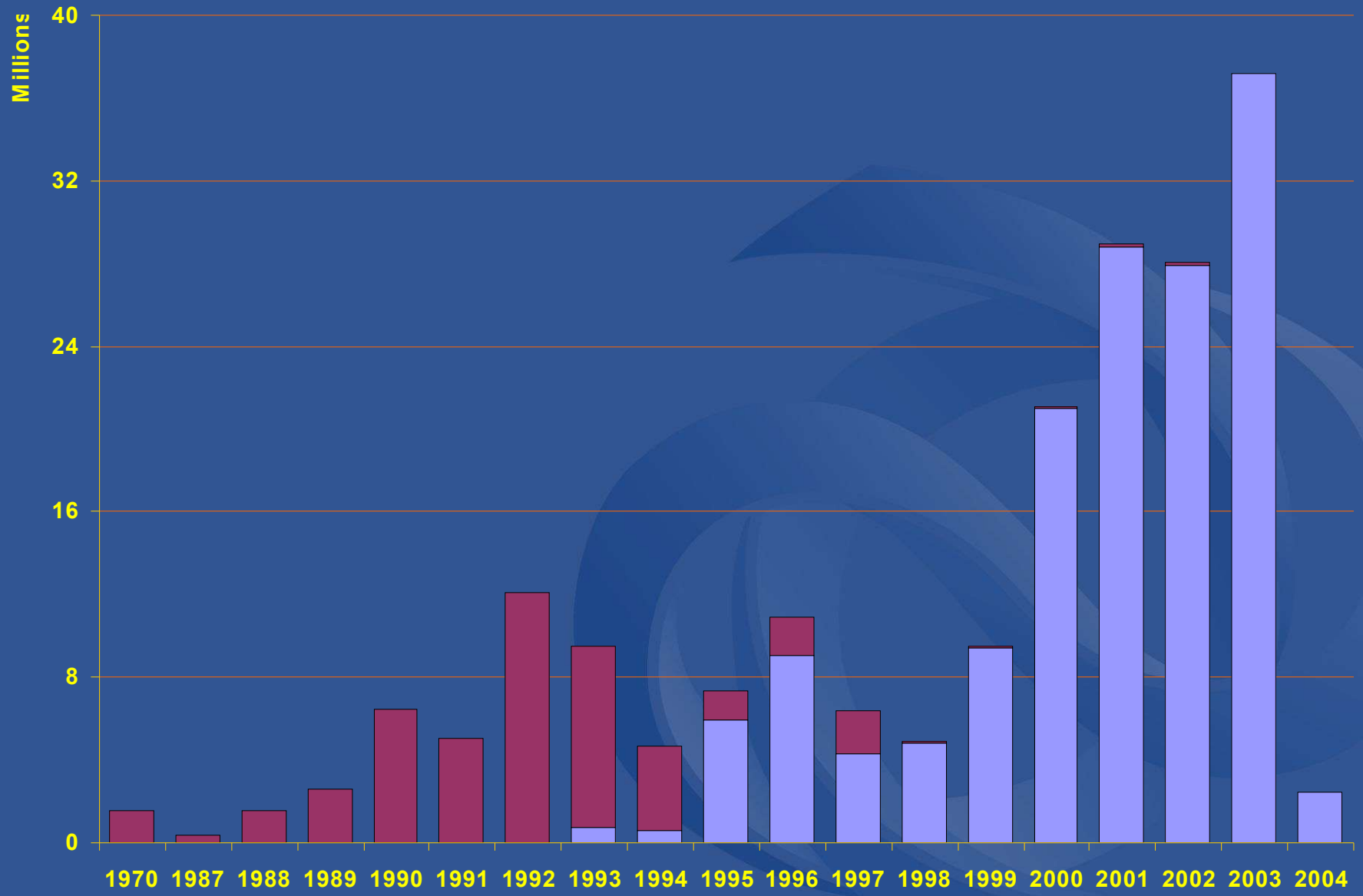
POP and Root Services

- APNIC POP
  - APNIC DNS services, whois
  - Root server instances
- Root servers
  - “Anycast” mirror servers
  - Agreements with “F” (ISC) and “I” (Autonomica)
- Deployments so far…
  - 2003: HK, KR, CN, TW, SG
  - 2004: AU, HK (I)
    - EOIs: TH, MY, IN, SG, KH and more

Event Registration System



APNIC Historical Space - ERX



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Financial Report

Finances

- Financial reporting
  - APNIC books are kept in AUD, but reported in USD
  - 90% income in USD
  - 80% expenses in AUD
- 2003 exchange rate crash
  - Jan 2003 0.58
  - Jan 2004 0.75
  - Unexpected expense increase 16%
  - 2003 budget adjusted during 2003
    - Balanced at year end

Statement of Activities - Expenses

Expenses (USD)	Actual 2003	Budget 2003	Budget Δ	Budget Δ%
Exchange Rate (*)	*0.6538*	***0.6502***		*0.6%*
Administrative fee –ICANN contract	115,622	130,200	(14,578)	-11.2%
Donation/ contribution & sponsorship	17,110	46,000	(28,890)	-62.8%
Communication	139,823	155,274	(15,451)	-10.0%
Membership fees	31,712	87,108	(55,395)	-63.6%
Professional fees	274,106	301,597	(27,491)	-9.1%
Meeting, training expenses	70,014	71,251	(1,238)	-1.7%
Rent	191,427	189,649	1,778	0.9%
Salaries	1,660,573	1,622,509	38,064	2.3%
Other operating expenses	1,106,419	1,112,915	(6,495)	-0.6%
Depreciation	208,676	188,975	19,701	10.4%
TOTAL EXPENSES	**3,815,482**	**3,905,477**	**(89,996)**	**-2.3%**

Statement of Activities - Revenues

Revenue (USD)	Actual 2003	Budget 2003	Budget Δ	Budget Δ%
Exchange Rate (*)	*0.6538*	***0.6502***		*0.6%*
Membership fees	3,409,078	3,436,773	(27,695)	-0.8%
Per Allocation fees	418,275	288,368	129,906	45.0%
Non-members fees	80,994	66,917	14,077	21.0%
IP resource application fees	351,845	334,241	17,604	5.3%
Sundry income	31,319	28,400	2,919	10.3%
Interest received	195,950	196,545	(595)	-0.3%
SUB-TOTAL REVENUE	**4,487,461**	**4,351,245**	**136,216**	**3.1%**
Foreign exchange rate gain / (loss)	(573,846)	(443,953)	(129,893)	29.3%
TOTAL REVENUE	**3,913,615**	**3,907,292**	**6,323**	**0.2%**

Foreign Exchange Effects

- Example
  - USD 10,000 received when rate is 0.66
    - Booked as AUD $15,000
  - Later converted into AUD at 0.75
    - Actual value is AUD $13,333
  - Actual income is reduced by “realised" loss:
    - $15,000 - $13,333 = ($1666)
  - During 2003, a large sum of USD was converted into AUD, due to falling rate
    - Resulted in large “foreign exchange loss”
    - This is a “reporting loss” rather than an “actual” loss.

Operating Surplus

Operating Surplus (USD)	Actual 2003	Budget 2003	Budget Δ	Budget Δ%
Exchange Rate (*)	*0.6538*	***0.6502***		*0.6%*
Total Revenue	3,913,615	3,907,291	6,323	0.2%
Total Expenses	3,815,482	3,905,477	(89,996)	-2.3%
OPERATING SURPLUS BEFORE INCOME TAX EXPENSE	**98,133**	**1,814**	**96,319**	
Income Tax Expense	36,398	0	36,398	0.0%
OPERATING SURPLUS AFTER INCOME TAX EXPENSE	**61,735**	**1,814**	**59,921**	

Financial Position

Financial Position	Year-End 2003	Year-End 2002	Year-End Δ%
Exchange rate(*)	*0.7521*	*0. 5676*	*32.5%*
Current Assets	**6,482,481**	5,671,684	14.3%
Non-current Assets	**2,303,904**	1,062,875	116.8%
TOTAL ASSETS	**8,786,384**	**6,734,559**	**30.5%**
Total Liabilities	**2,498,434**	2,042,718	22.3%
Total Equity	**6,287,950**	4,691,841	34.0%
TOTAL LIABILITIES & EQUITY	**8,786,384**	**6,734,559**	**30.5%**

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Questions?

APNIC Executive Council Report

Maemura Akinori
Chair, Executive Council