

APNIC Update

RIPE 40

Prague, 1-5 October, 2001



Overview

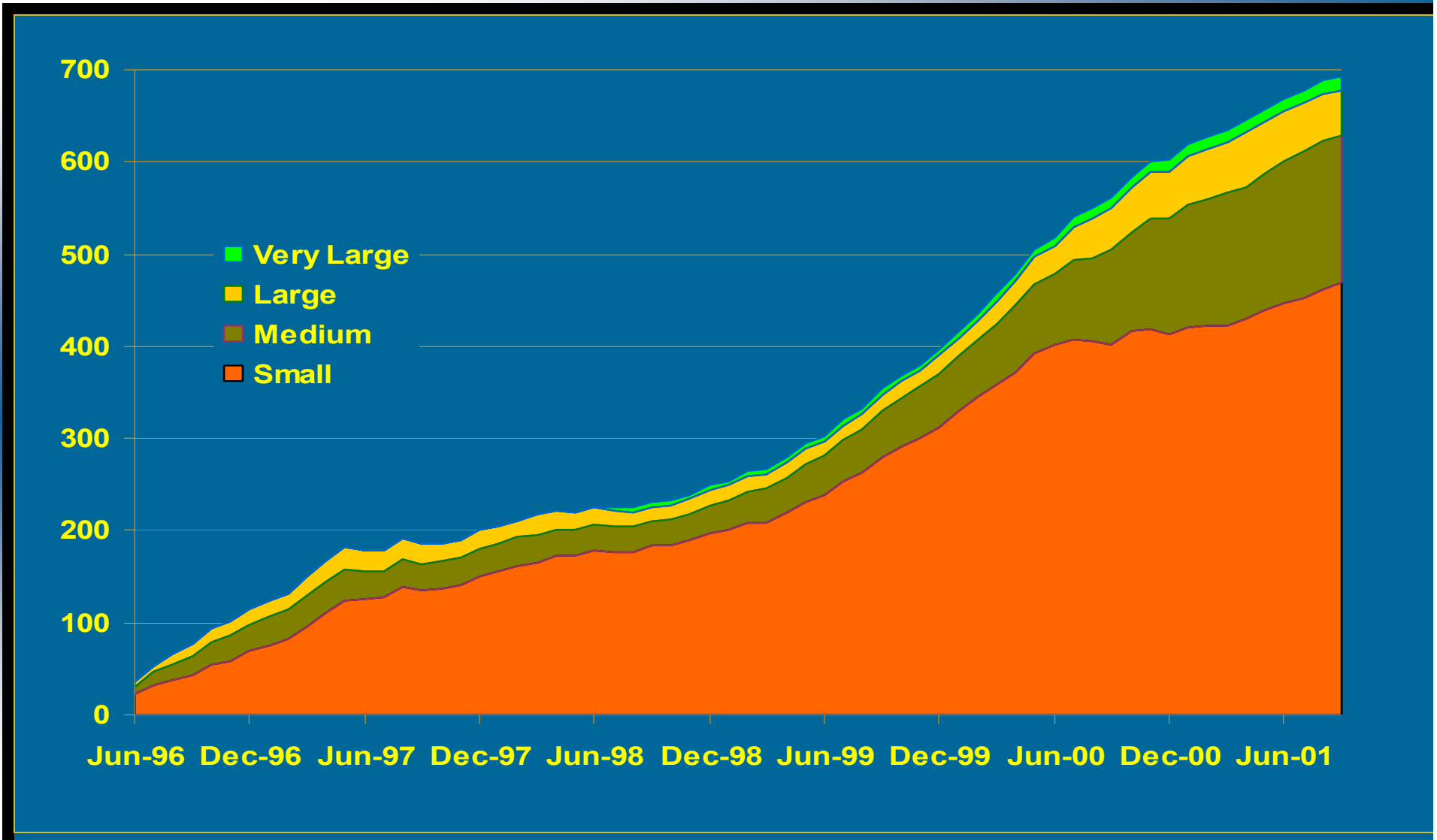
- ◆ Membership
- ◆ Resource Services
- ◆ Human Resources
- ◆ Activities and Projects
- ◆ Policy developments
- ◆ Meetings

APNIC Update

Membership



How many APNIC Members?



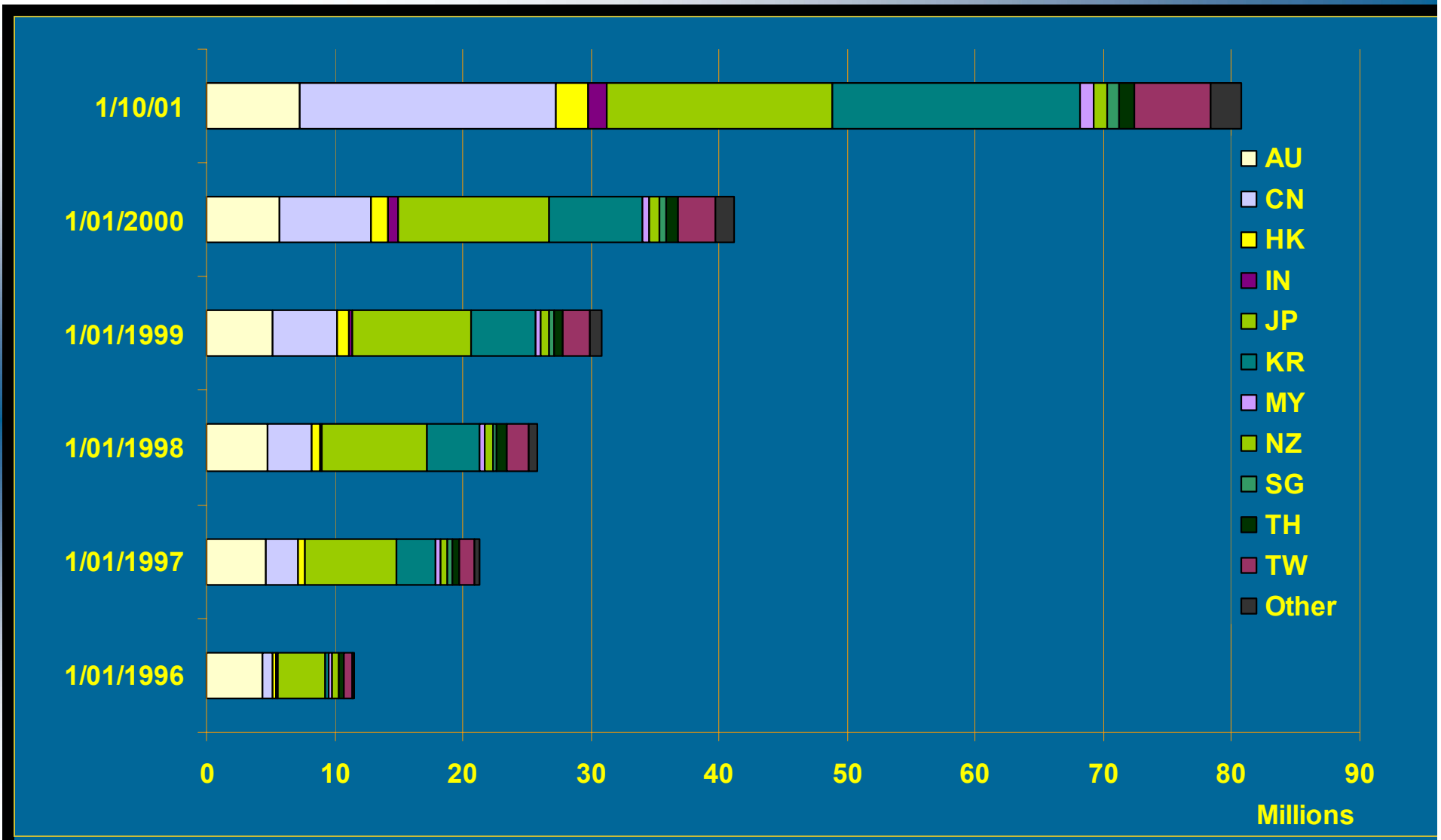


APNIC Update

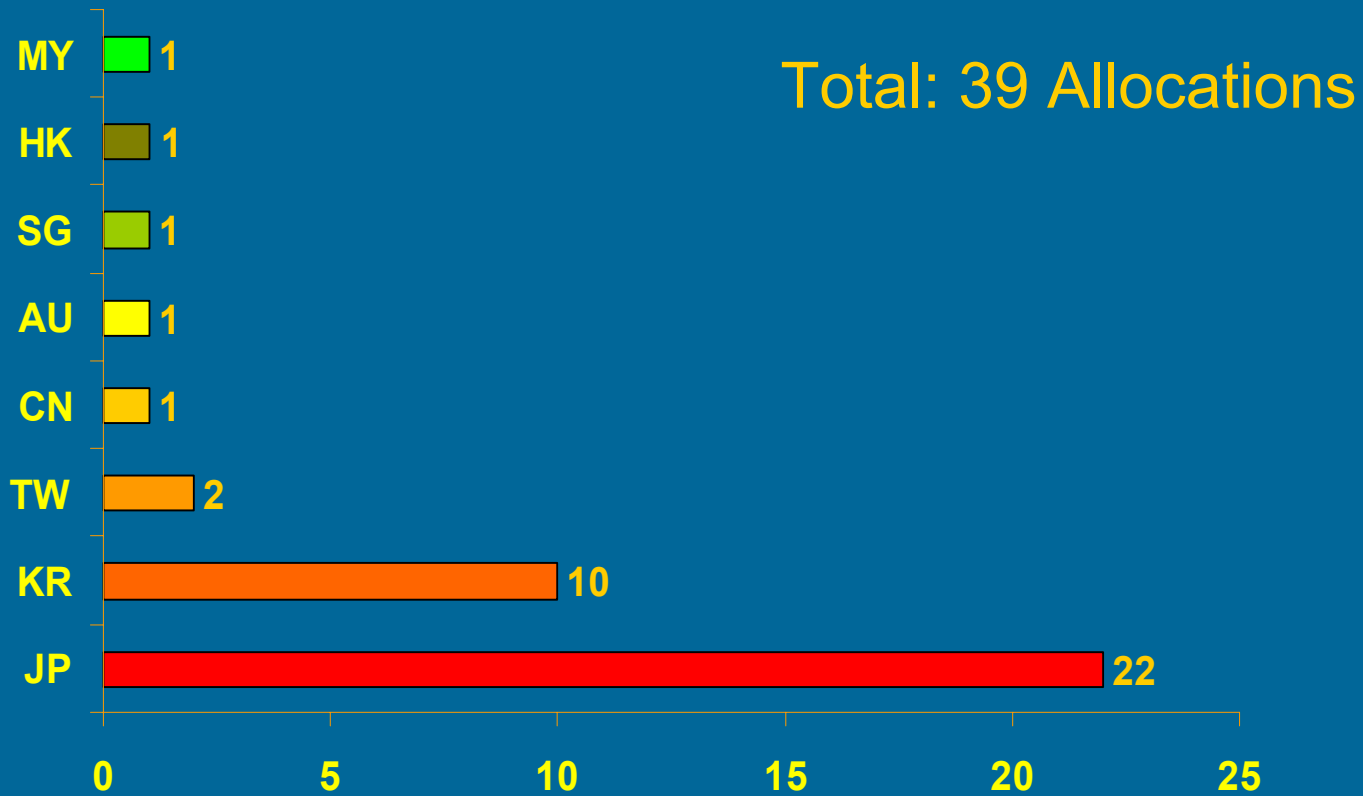
Resource Services



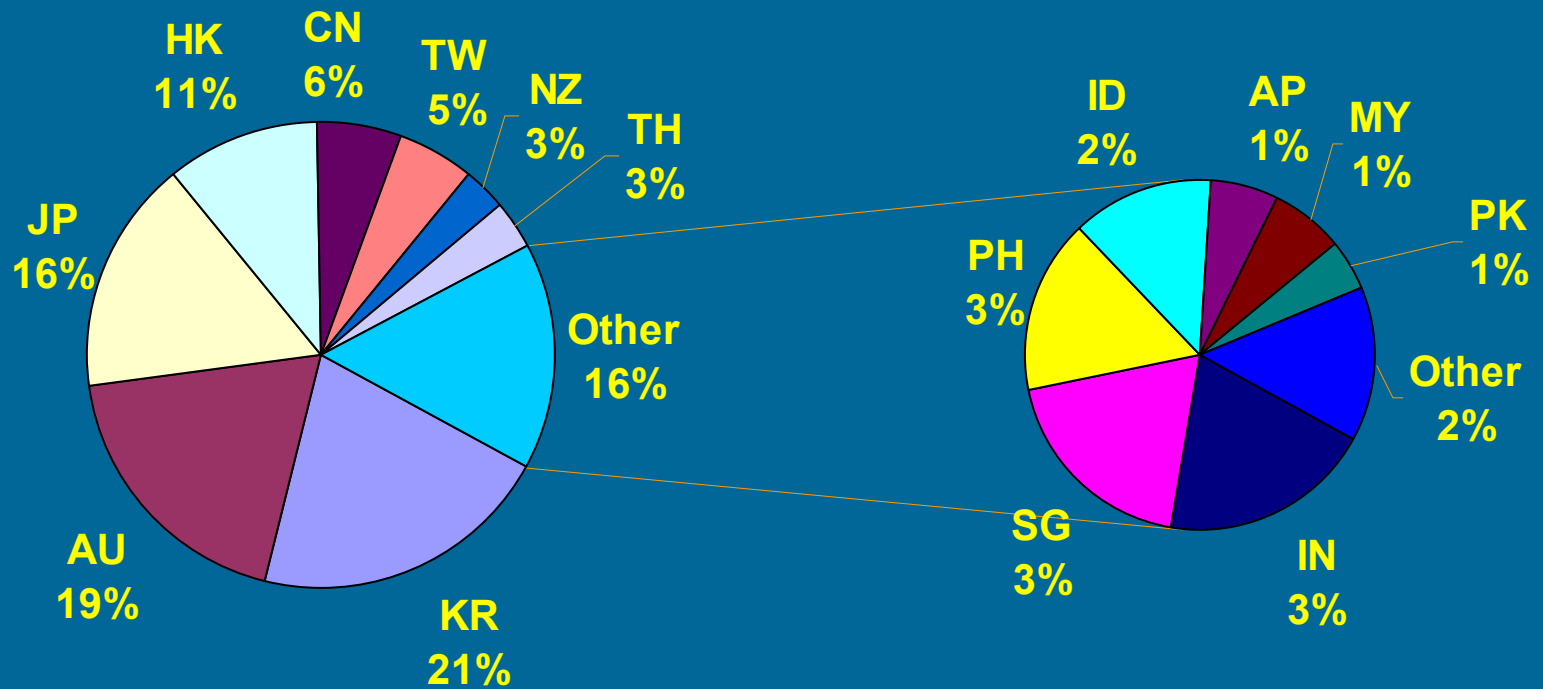
IPv4 Allocations – Distribution



IPv6 Allocations – Distribution



ASN Allocations - Distribution

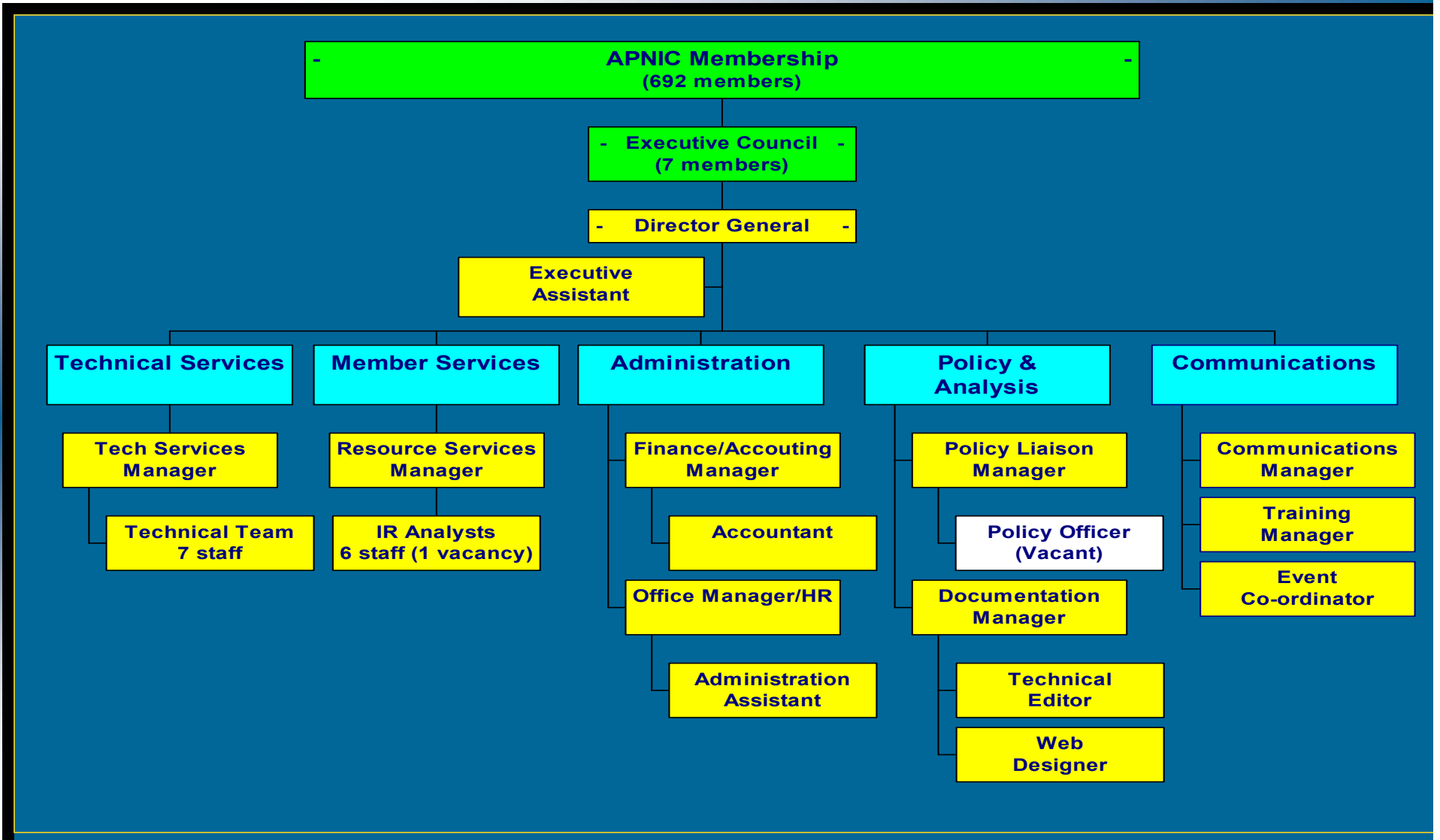


APNIC Update

Human Resources



APNIC Structure



APNIC Update

Activities and Projects



Training News

- ◆ Training in 2001
 - ◆ Courses in: PH, CN, HK, MY, IN, TW, SN
 - ◆ Many course held with open seminars
 - ◆ Schedule and sample courses on web site
- ◆ Future development
 - ◆ Investigate distance learning (CBT)
 - ◆ Develop material to support RPSL deployment
 - ◆ Develop more advanced modules



Software Development

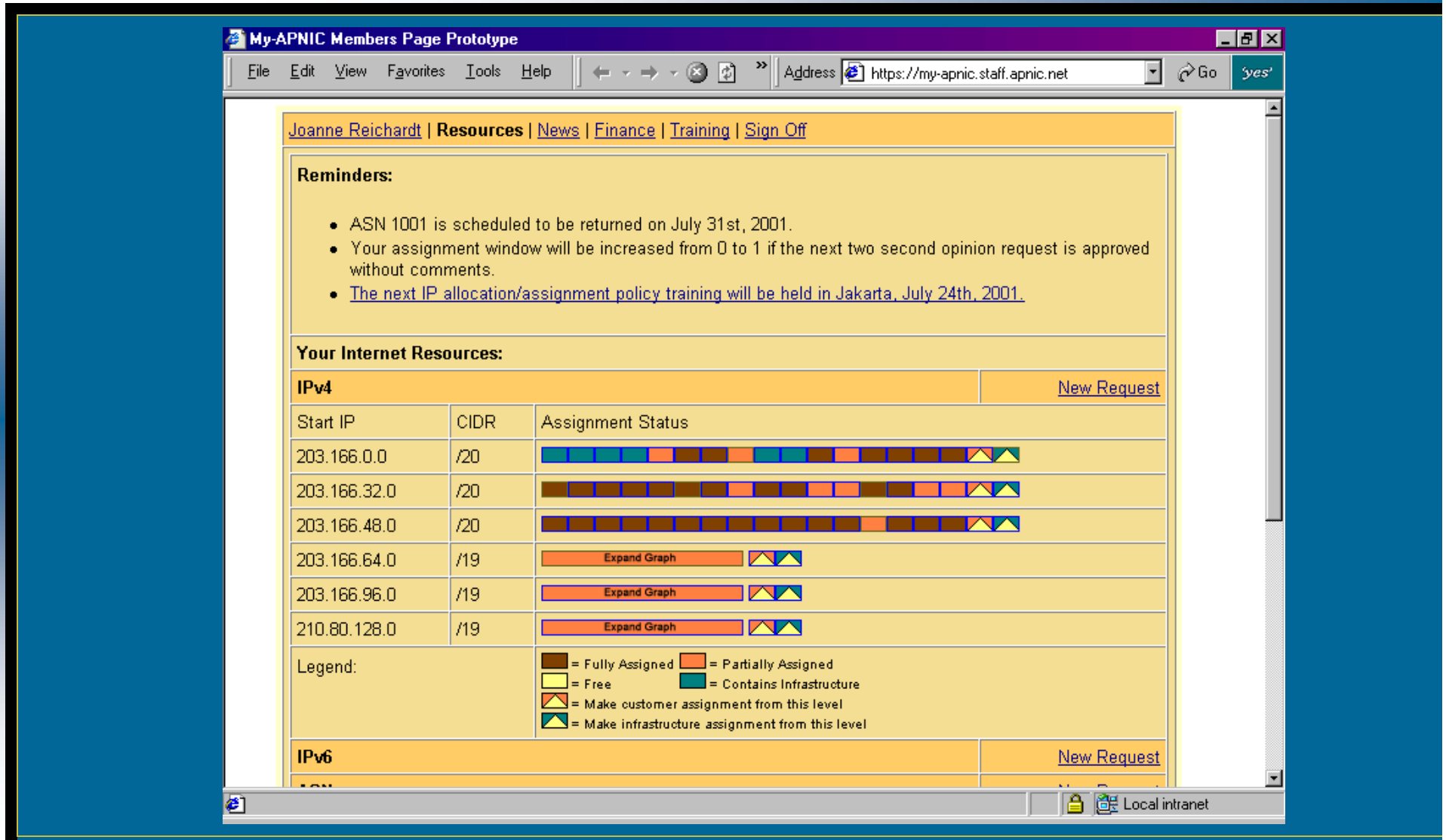
- ◆ Ongoing
 - ◆ Registration management system
 - ◆ APNIC meetings and training courses
 - ◆ Credit card processing
 - ◆ Upgraded ticketing system - RT2 (migration)
 - ◆ New accounts system integration
 - ◆ Allocation manager



Software Development

- ◆ New (& under development)
 - ◆ Online membership application process
 - ◆ Integrated contacts database
 - ◆ Business workflow analysis
 - ◆ MyAPNIC
 - ◆ Secured member service web interface, allowing each member to access private information and invoke specific APNIC services.
 - ◆ This project is a continuation of CA prototyping.

MyAPNIC: Assignment Graph



The screenshot shows a web browser window titled "My-APNIC Members Page Prototype" with the address bar showing "https://my-apnic.staff.apnic.net". The page content includes a navigation menu, a "Reminders" section with three bullet points, and a "Your Internet Resources" section. The IPv4 section contains a table with columns for Start IP, CIDR, and Assignment Status. The Assignment Status column uses a bar chart to show the allocation of IP addresses, with a legend explaining the colors and symbols used.

Reminders:

- ASN 1001 is scheduled to be returned on July 31st, 2001.
- Your assignment window will be increased from 0 to 1 if the next two second opinion request is approved without comments.
- [The next IP allocation/assignment policy training will be held in Jakarta, July 24th, 2001.](#)

Your Internet Resources:

IPv4 [New Request](#)

Start IP	CIDR	Assignment Status
203.166.0.0	/20	
203.166.32.0	/20	
203.166.48.0	/20	
203.166.64.0	/19	Expand Graph
203.166.96.0	/19	Expand Graph
210.80.128.0	/19	Expand Graph

Legend:

- = Fully Assigned
- = Free
- = Partially Assigned
- = Contains Infrastructure
- = Make customer assignment from this level
- = Make infrastructure assignment from this level

IPv6 [New Request](#)



MyAPNIC: Assignment Table

My-APNIC Members Page Prototype

File Edit View Favorites Tools Help Address ff.apnic.net/AssignIPv4.asp?IP=203.166.4. Go 'yes'

[Joanne Reichardt](#) | [Resources](#) | [News](#) | [Finance](#) | [Training](#) | [Sign Off](#)

IPv4 assignments starting 203.166.4.0					New Assignment
Network Name	Start IP	Mask	Device	Subnets	Assign Date
ELI-LILLY	203.166.4.128	255.255.255.240	14/14/14	1/1/1	5/1/01
NOVARTIS-AU	203.166.4.144	255.255.255.248	6/6/6	1/1/1	5/1/01
ACCU-1	203.166.4.152	255.255.255.248	6/6/6	1/1/1	5/3/01
LINVATEC	203.166.4.16	255.255.255.248	6/6/6	1/1/1	2/21/00
COL-1	203.166.4.160	255.255.255.240	14/14/14	1/1/1	5/7/01
HELLMANN-LOGISTICS	203.166.4.192	255.255.255.248	6/6/6	1/1/1	5/7/01
ADVANTECH-AUSTRALIA	203.166.4.200	255.255.255.248	6/6/6	1/1/1	5/9/01
JAM-FAR	203.166.4.208	255.255.255.240	14/14/14	1/1/1	5/7/01
AOL	203.166.4.224	255.255.255.240	14/14/14	1/1/1	5/31/00
CORNING	203.166.4.24	255.255.255.248	6/6/6	1/1/1	2/22/00
LANDMARK	203.166.4.32	255.255.255.224	30/30/30	1/1/1	2/22/00
FAX-DELUXE	203.166.4.64	255.255.255.240	14/14/14	1/1/1	2/22/00
1-7NET3	203.166.4.8	255.255.255.248	6/6/6	1/1/1	5/23/00
PARADOX	203.166.4.80	255.255.255.240	14/14/14	1/1/1	4/6/00
CONTINUUS-1	203.166.4.96	255.255.255.224	30/30/30	1/1/1	4/10/00

IPv4 infrastructure starting 203.166.4.0 [New Assignment](#)

Done Local intranet



MyAPNIC: New Assignment

The screenshot shows a web browser window titled "My-APNIC Members Page Prototype". The address bar contains "signIPv4New.asp?IP=203.166.4.&CIDR=24". The page has a navigation menu with links: Profile, Resources, News, Finance, Training, and Sign Off. The main content area is a yellow form titled "Add Assignment Record CIDR /24 to /32".

Add Assignment Record CIDR /24 to /32	
Inetnum	203.166.4. <input type="text"/>
Mask	255.255.255. <input type="text"/>
Network Name	<input type="text"/>
No. of Device	<input type="text"/> Now/Year-1/Year-2
No. of Subnets	<input type="text"/> Now/Year-1/Year-2
Assignment Date	8/1/01 DD/MM/YYYY
<input type="button" value="Add"/>	



MyAPNIC: Edit Profile

My-APNIC Members Page Prototype

File Edit View Favorites Tools Help

Address s://my-apnic.staff.apnic.net/ProfileEdit.asp Go 'yes'

[Joanne Reichardt](#) | [Resources](#) | [News](#) | [Finance](#) | [Training](#) | [Sign Off](#)

My Profile

Full Name:	
<input type="text" value="Joanne Reichardt"/>	
Position/Title:	
<input type="text" value="HR Manager"/>	
Address:	
<input type="text" value="33 Park Road, Milton"/>	
City:	State:
<input type="text" value="Brisbane"/>	<input type="text" value="QLD"/>
Country:	Post Code:
<input type="text" value="Australia"/>	<input type="text" value="4064"/>
Phone:	Fax:
<input type="text" value="61-7-3367-0490"/>	<input type="text" value="61-7-3367-0482"/>
HP:	E-mail:
<input type="text"/>	<input type="text" value="joanne@apnic.net"/>

Done Local intranet



Service Developments

- ◆ AUNIC legacy transfer
 - ◆ 203.0.0.0 to 203.63.255.255
 - ◆ July 2001
 - ◆ Ongoing work to up-date contact details
- ◆ Internet Routing Registry (IRR)
 - ◆ Work with RIPE NCC on v3 software
 - ◆ Testing and transition planning underway
 - ◆ IRR operating model to be developed
 - ◆ Training materials to be developed

- ◆ New web site
 - ◆ Improved navigation and “Quick links”
 - ◆ Dynamic calendar
 - ◆ Extensive FAQ and help content

- ◆ Newsletter *Apster*
 - ◆ Articles
 - ◆ Policy updates
 - ◆ Events
 - ◆ <http://www.apnic.net/docs/apster>

APNIC Update

Policy developments

Policy Developments

- ◆ Criteria for initial IPv4 allocation
 - ◆ The applicant must have used a /22 from their upstream provider or demonstrate an immediate need for a /22;
 - ◆ The applicant must have complied with applicable policies in managing all address space previously allocated to it;
 - ◆ The applicant must demonstrate a detailed plan for use of a /21 within a year; and
 - ◆ The applicant must commit to renumber from previously deployed space into the new address space within one year.

Policy Developments

- ◆ Small multihoming assignments (IPv4)
 - ◆ Can get a small portable assignment if:
 - ◆ Currently multihomed with provider-based addresses, *or* demonstrate a plan to multihome within one month; and
 - ◆ Agree to renumber out of previously assigned address space.
 - ◆ Evaluation:
 - ◆ According to the principles in RFC2050.
 - ◆ Demonstrated need must be shown for an address space assignment that utilises 25% of the address space immediately and 50% within one year.

Policy Developments

- ◆ IPv4 Assignments to Exchange Points
 - ◆ Minimum /24 for the IXP transit LAN
 - ◆ But not to “critical infrastructure”
- ◆ IPv6 Assignments to Exchange Points
 - ◆ Assignment size /64

Policy Developments

- ◆ Extension of IPv6 bootstrap period
 - ◆ Until the next IPv6 policy is implemented, on the understanding that the next policy takes account of bootstrapping needs.
- ◆ New IPv6 policy principles
 - ◆ See detailed presentation from LIR-WG.
 - ◆ Consensus to be reported to other RIRs for development of new policy document.

- ◆ Proposal by Broadband WG
 - ◆ Registration requirements clarified
 - ◆ Every network assignment greater than /30 must be registered.
 - ◆ Assignments of /30 or smaller, including host assignments, may be registered at the discretion of the end-user and ISP.
 - ◆ ISP technical contact can be admin-c for residential networks
 - ◆ Create guidelines document for evaluation of cable and xDSL requests



Policy Developments

- ◆ Other recent decisions
 - ◆ New membership agreement
 - ◆ Document review policy
 - ◆ Revised membership structure
 - ◆ Includes non-resource “associate” category, with voting rights
 - ◆ Address Council election
 - ◆ Dr Kenny Huang (TW) elected

- ◆ Full details of all developments at:
 - ◆ <http://www.apnic.net/meetings/12/results/>

APNIC Update

Meetings



APNIC Meetings

- ◆ APNIC-12, Taipei (standalone)
 - ◆ 28-31 August 2001, hosted by TWNIC
 - ◆ Attendance 235 – new record
 - ◆ Full archive at:
 - ◆ <http://www.apnic.net/meetings>



- ◆ APNIC-13, Bangkok (with APRICOT)
 - ◆ 3-7 March 2002
 - ◆ More information at:
 - ◆ <http://www.apricot.net>



Newest member of AP community



APNIC Update

Questions?