# APNIC Update

## SANOG 8
## Karachi, Pakistan
## 4 August 2006

# About APNIC

- Regional Internet Registry (RIR)
  - Asia Pacific region
  - Core activity delegation of Internet number resources (IPv4, IPv6 & ASNs)
  - Manages reverse DNS
- Organisational structure
  - Membership based, non-profit
  - Self-regulatory body governed by members & Internet community
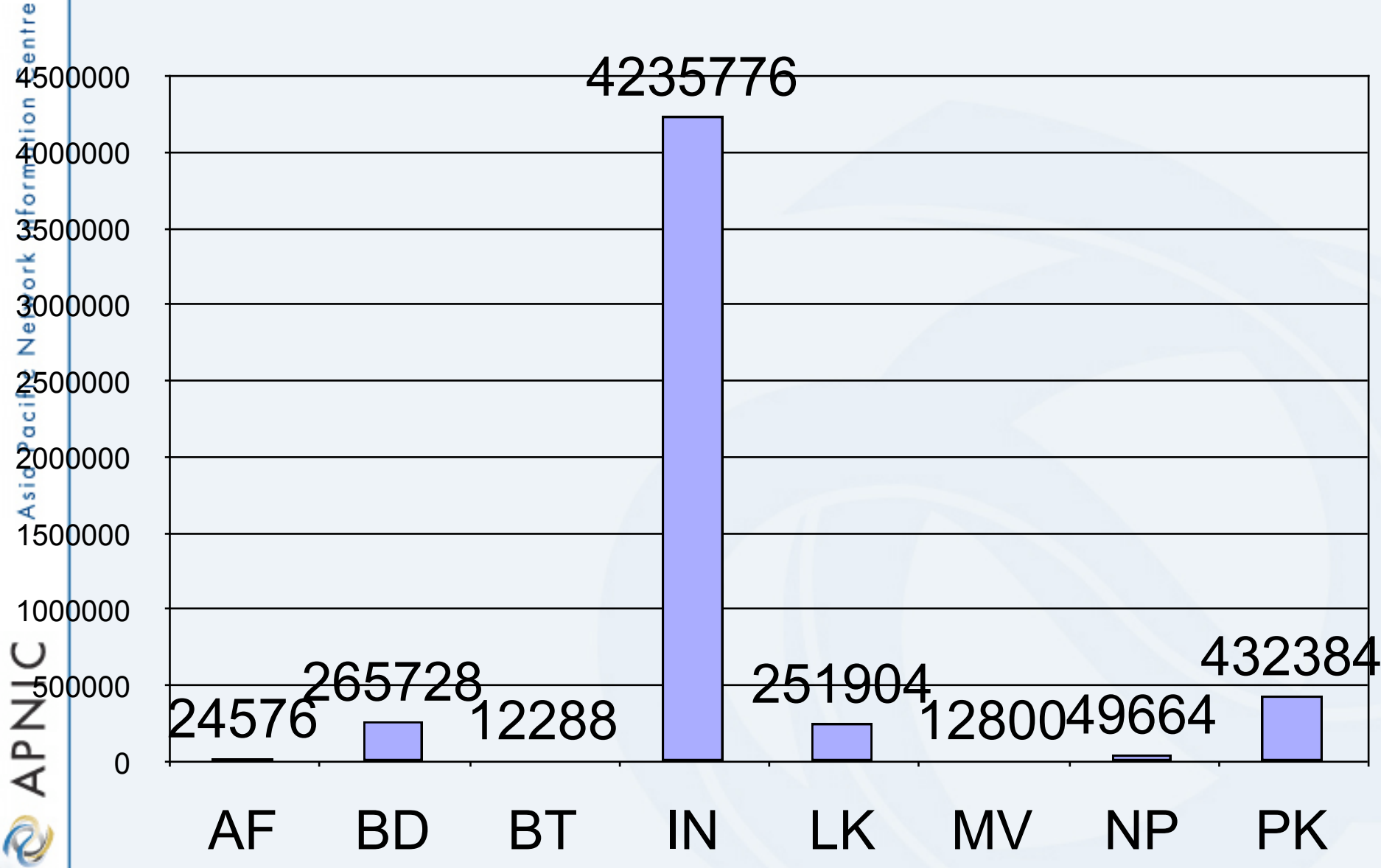  - Bottom up policy & decision making processes

# What's coming up..

- Membership & resource statistics
- APNIC activities in SA
- Services
- Projects
- Meetings
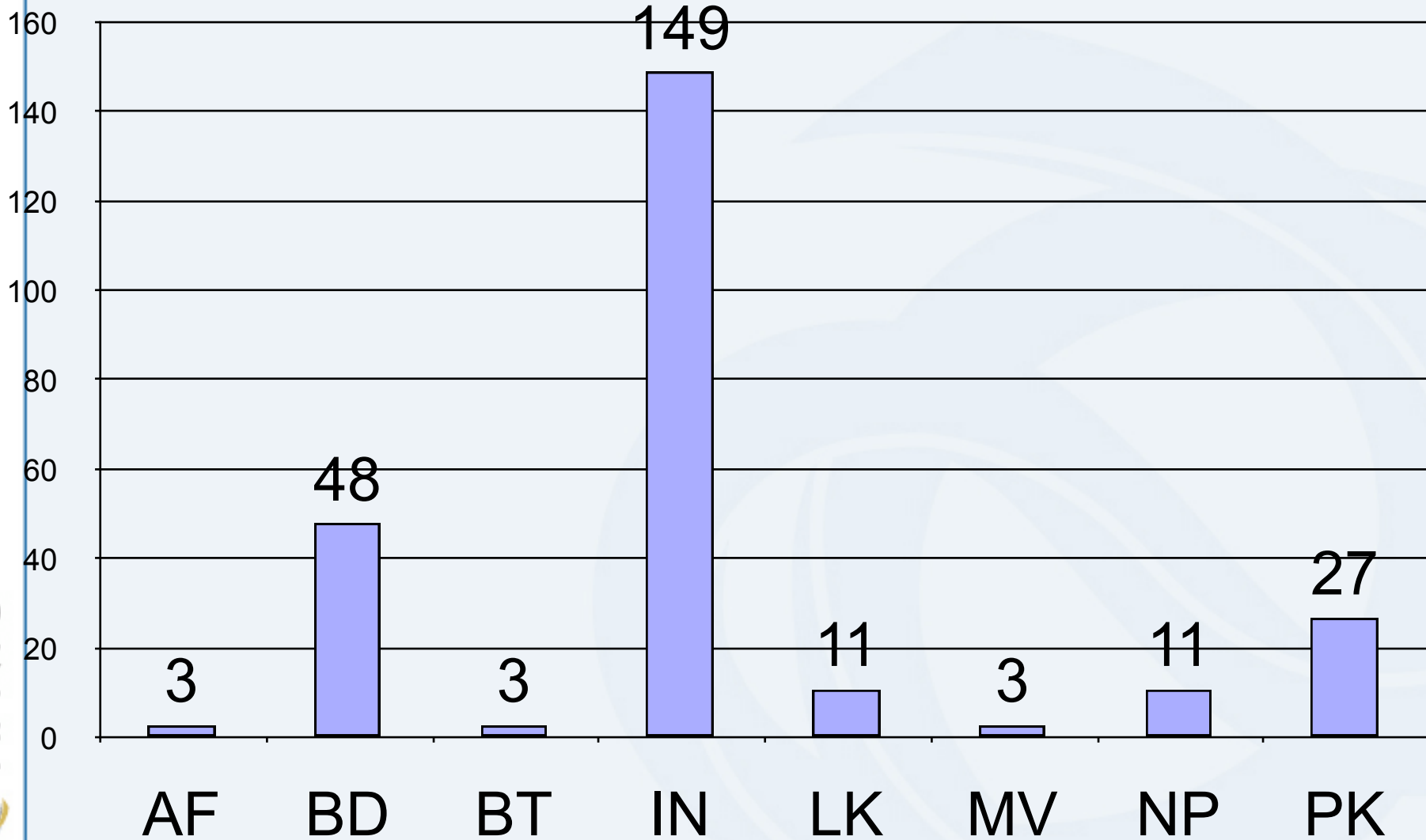
# Membership in SA
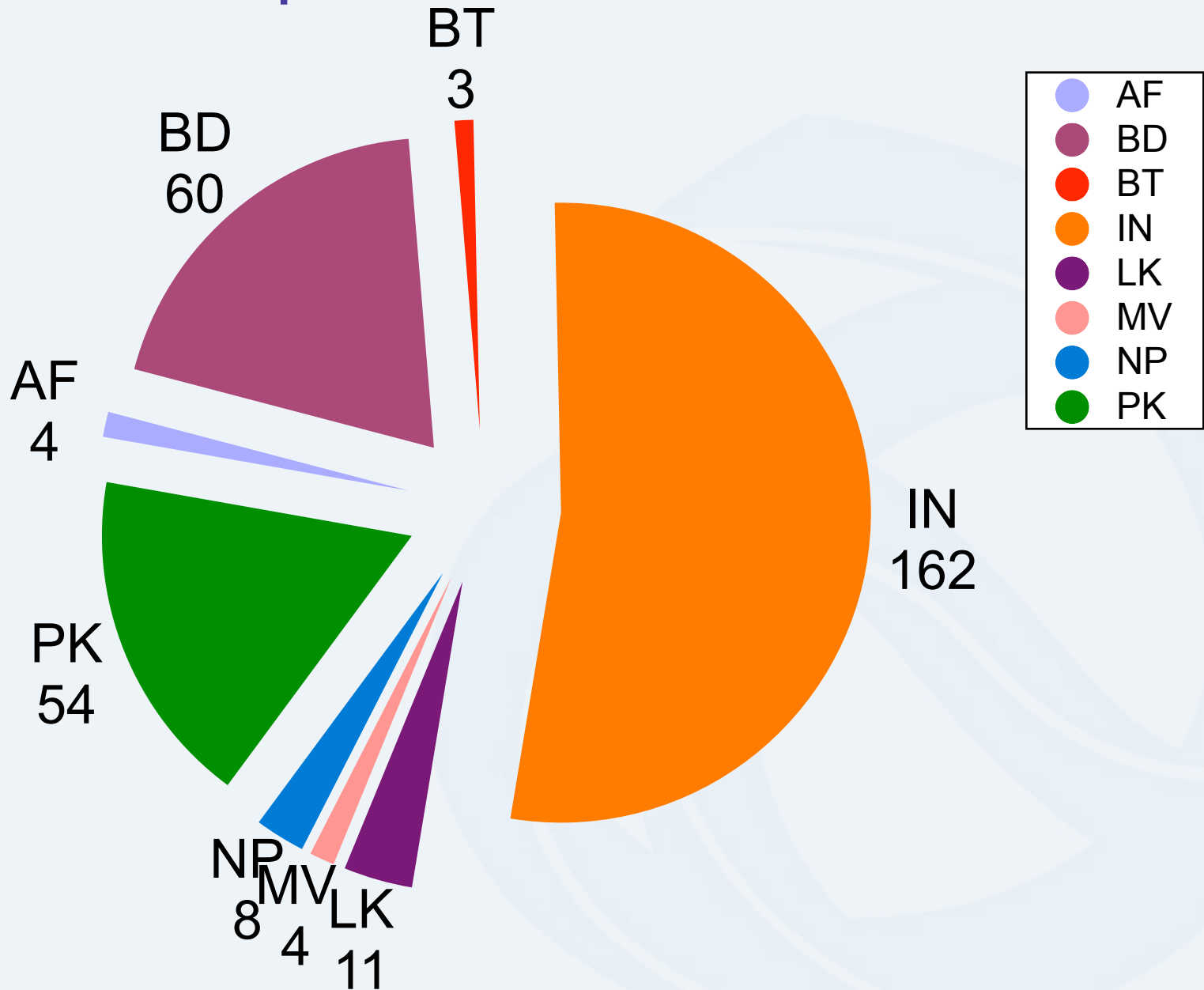
# Total IPv4 delegations in SA
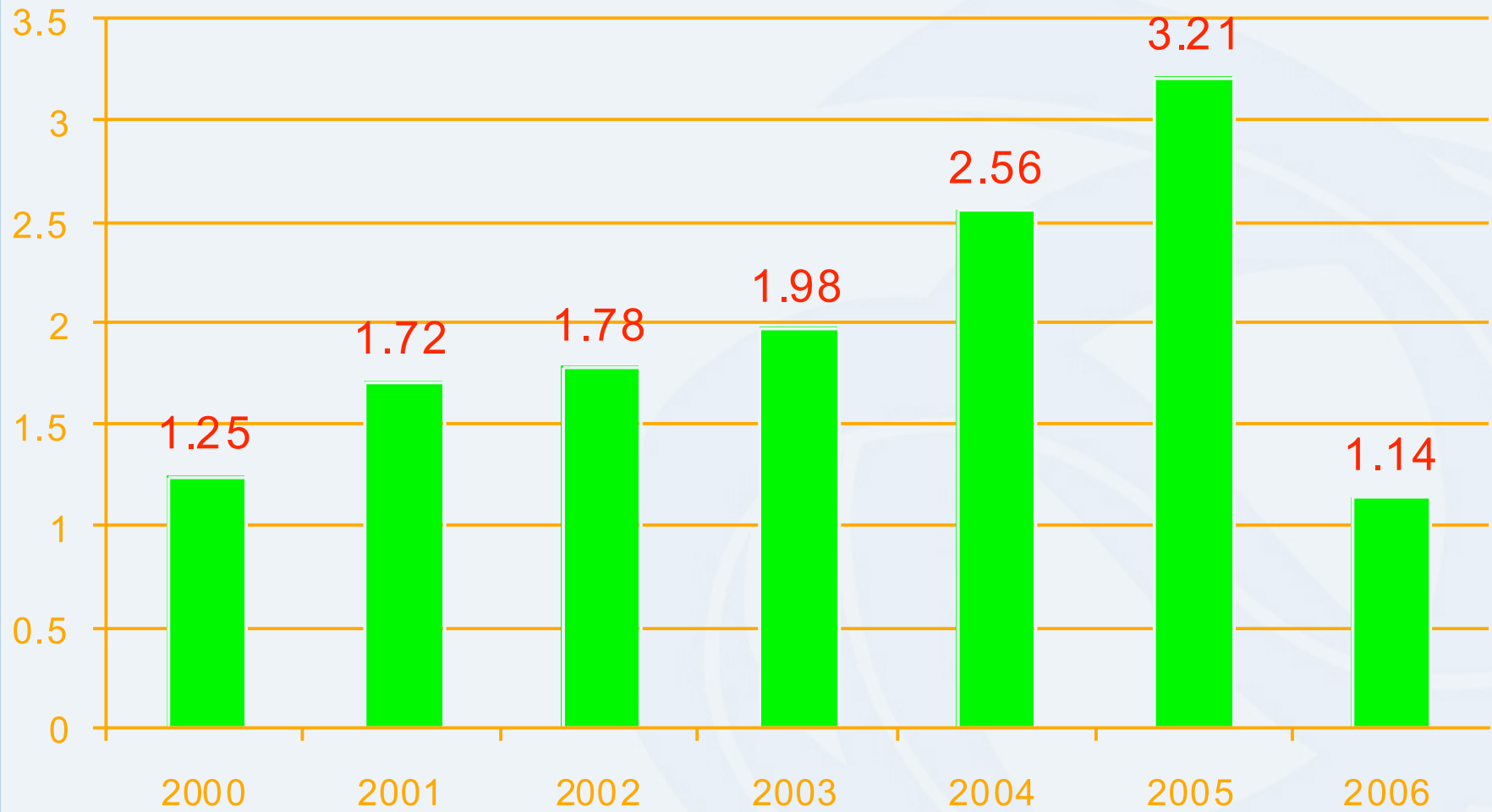
# IPv6 allocations in SA

| Economy | Number |
|---------|--------|
| BD | 1 |
| IN | 10 |
| PK | 3 |
| Total | 14 |

# ASN assignments in SA

# APNIC IPv4 allocations (/8s) by year

# IANA total IPv4 distribution



Historical
90
36%

Reserved
36
14%

APNIC
16
6%

ARIN
26
10%

LACNIC
4
2%

RIPENCC
19
7%

Unused
65
25%
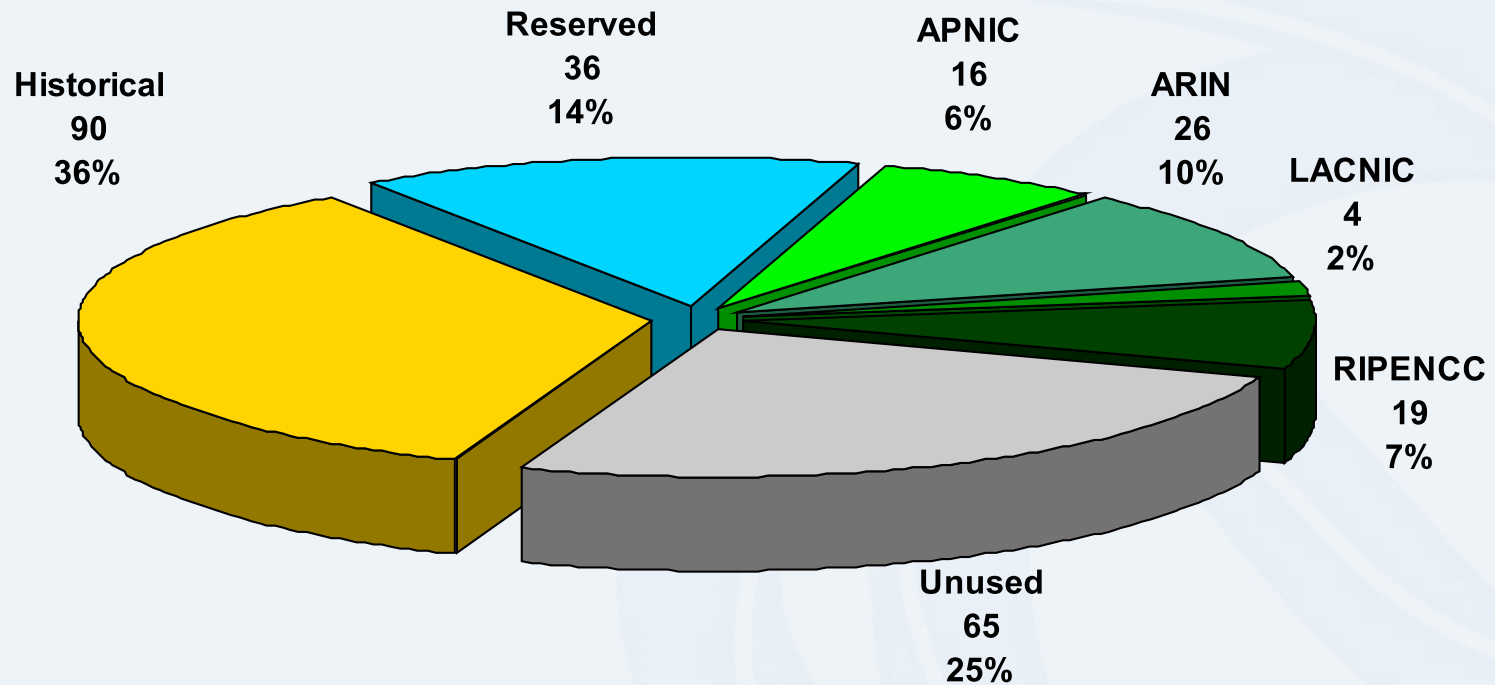
Last update: Mar 2006

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# Collaboration in SA

- MoUs with industry
  - SANOG
  - ISP Associations
    - ISPAB, ISPAI, LISPA, ISPAN, ISPAK
  - NIXI

- Key areas of collaboration
  - Promoting infrastructure development
  - Exchange of information
  - Training program

# Root server deployments in SA
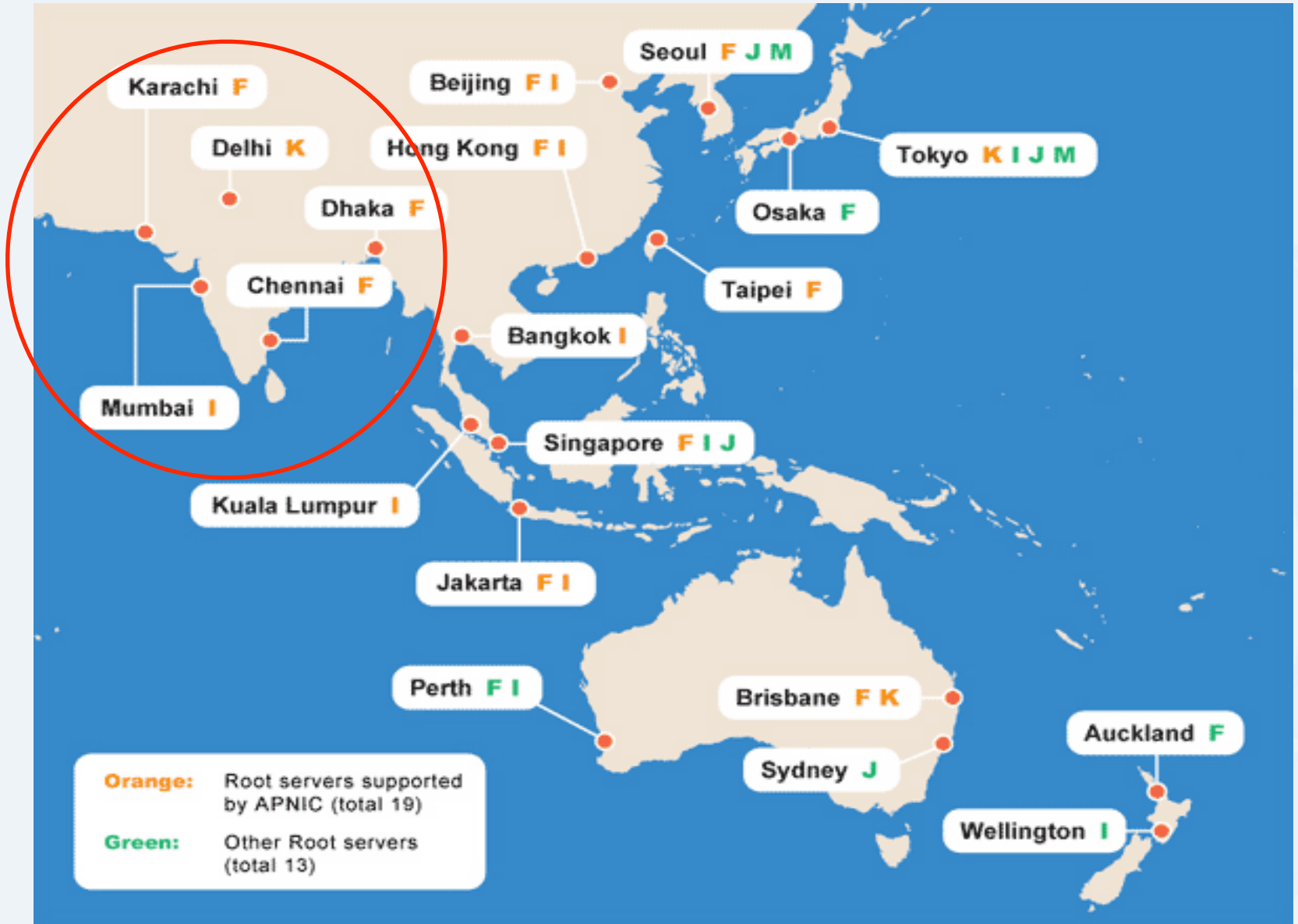
# Recent training activities in SA

- ## Face to face training

| Year 2005 | | | Year 2006 | | |
|---|---|---|---|---|---|
| Course | Date | Location | Course | Date | Location |
| IRM I & II | 2-3 Feb | Dhaka | SANOG 7 | 16-24 Jan | Mumbai |
| SANOG 5 | 6-13 Feb | Dhaka | IRM E | 25 Jan | Mumbai |
| IRM I & II | 6-7 Apr | Karachi | SANOG 8 | 27-4 Aug | Karachi |
| IRM E | 11 Apr | Delhi | IRME | 8 Aug | Delhi |
| SANOG 6 | 16-23 Jul | Thimphu | DNS workshop | 10-12 Aug | Hyderabad |

- ## Webcast training (new!)
  - First IRME training conducted on 29th May

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# Training courses

- Core courses
  - Internet Resource Management
- Tutorials
  - Security, Spam, Internet Routing Registry
- Technical workshops
  - DNS, Routing essentials
- NEW - under development
  - IPv6 services workshop
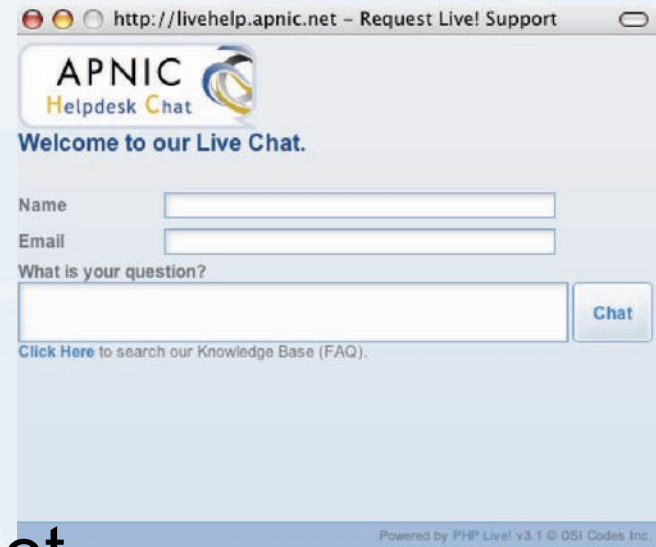  - More webcasts/webinars
- Material, information, schedules
  - http://www.apnic.net/training

# eLearning – *under development*
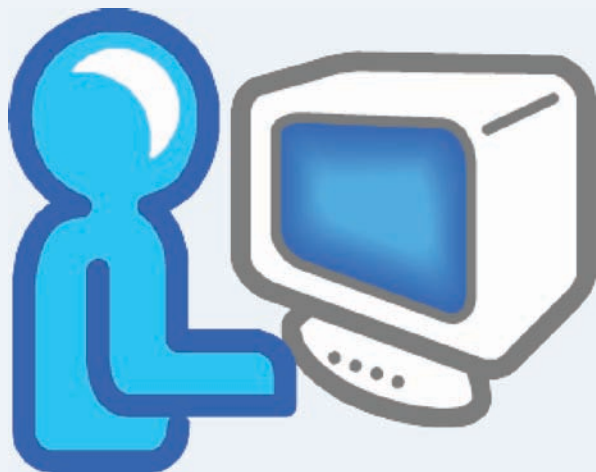


- Cost effective
- More accessible
- Manage your own learning
- Access to trainers & experts

## Interested in testing?
Speak to APNIC staff or
email training@apnic.net

# Interacting with APNIC

- New VOIP service
  - Low international call rates to helpdesk!
    - SIP: helpdesk@voip.apnic.net
- "Chat" service
  - Just click on icon
  - Fast response to your queries
- Helpdesk
  - Email helpdesk@apnic.net
  - One day turnaround time

# Online networking portal - *new look!*

- ICONS "Internet Community of Networking Specialists"

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# "Clients First"

- Improve and simplify services
  - Internal secretariat project
  - Feedback from surveys, helpdesk, training, meetings, staff experiences, etc
- "Behind the scenes"
  - Website navigation & content
  - Rebuilding web forms
  - Easier procedures for digital certificates
  - Tool development to support request processes
  - "Continuous improvement"

# Recent operational projects

- # Resource certification
  - Trial began in 2005, full service trial in 2006
- # Prefix history analysis
  - 8-year history of 650,000 prefixes (20 Gb)
  - Query prefix advert history, ASN details etc
  - Supporting debogon and reclamation projects
- # ASNs
  - Consumption estimates
  - 32-bit ASN study and proposals
- # Internet resource reports and projections
  - http://www.potaroo.net

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# Next meetings

- APNIC 22
  - Kaohsiung, Taiwan
  - 4-8 Sep, 2006
- APRICOT 2007, APNIC 23
  - Bali, Indonesia
  - 27 Feb-2 Mar, 2007
- Participate remotely!
  - Webcast, podcasts, jabber chat, live transcripts
- Everyone is welcome
  - http://www.apnic.net/meetings