

APNIC Open Policy Meeting Showcase

Welcome!

SANOG VIII

27 Jul – 4 Aug 2006, Karachi, Pakistan

Overview of today's session

- **Introduction**
- What is APNIC?
- APNIC services
- Importance of SA in APNIC region
- Benefits of attending APNIC OPM
- Policy development process
- Participation at APNIC OPMs

Presenters

- Akinori Maemura
Chair, APNIC EC (Executive Council)
- Srinivas (Sunny) Chendi
Internet Resource Analyst
- Savenaca Vocea (Save)
Policy Development Manager
- Champika Wijayatunga (Champ)
Senior Training Specialist

Presenter: Srinivas (Sunny) Chendi

- Background
 - Internet Resource Analyst
- Topics
 - What is APNIC?
 - APNIC services
 - Importance of SA in APNIC region

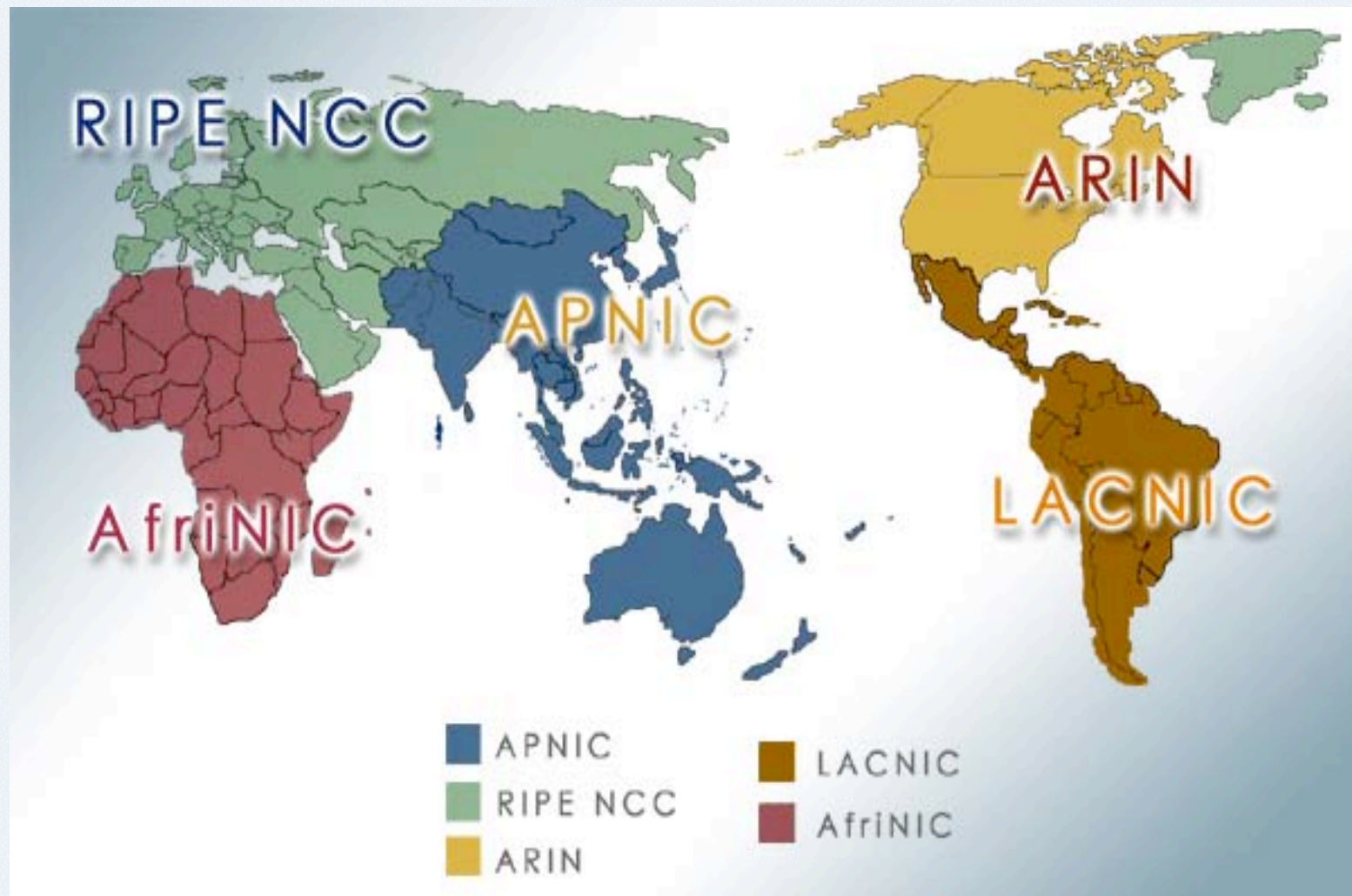
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About APNIC

- What is APNIC ?
 - One of five Regional Internet Registries (RIRs) for the Asia Pacific region
- What are the core activities of APNIC?
 - **IPv4 & IPv6 address** and **AS number** distribution in the Asia Pacific
 - Resource database registration
 - Reverse DNS management

Where is APNIC region?



About APNIC

- Industry self-regulatory body
 - Consensus-based, open, and transparent decision-making and policy development
 - Non-profit, neutral, and independent
- Open membership-based structure
 - Open participation
 - Membership is not required to participate
 - Everyone is welcome!

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Resource services

- IPv4
- IPv6
- Autonomous System Numbers (ASN)
- Reverse DNS
- Whois
- Internet Routing Registry (IRR)



Support services



- Multilingual helpdesk
 - 61-7-38583188
 - helpdesk@apnic.net
- Live chat
- VoIP
 - helpdesk@voip.apnic.net
- MyAPNIC 
- ICONS

Please send all resource requests to hostmaster@apnic.net

Educational services

- Core courses
 - IRM
- Tutorials
 - IRR, IPv6, SPAM, Security
- Workshops
 - DNS, Advance DNS, Routing, IPv6
- eLearning
- Online materials
- Online schedules



APNIC structure

- Members
- Secretariat
- Executive council

Next presenter: Akinori Maemura

- Background
 - Chair, APNIC EC
 - Trustee, JPNIC
 - Member, JANOG Committee
 - Ex-SIG Chair (NIR SIG)
- Topics
 - Share his experience as APNIC EC chair and SIG chair
 - Share his experience as OPM attendee

Again, my background is...

- Chair of the APNIC Executive Council
- Ex-SIG-Chair, NIR SIG
- An NIR responsible – JPNIC
- A Member responsible – also JPNIC
- A regular participant in APNIC OPMs
- Involved in NOG Coordination – JANOG

As a regular participant to APNIC OPMs

- In the very beginning, I had every difficulty to get my opinion understood to the community
 - Language
 - Culture and approach
- The more you experience, the more your say will get through.
- Then the community will help you to solve your problems.

As the responsible of a member

- APNIC OPM is really important since there are discussed about new policies
 - which may influence our performance
- APNIC offers various means to participate. Don't miss them and keep track of the policies

As a part of NIR community

- NIRs are registries as well as APNIC, who are dedicated to the resource management
- Your countries might need an NIR
- Ask APNIC if you are interested in setting up an NIR
 - It is not too easy, but an NIR will accelerate the penetration of the Internet community

As a SIG-chair

- SIG Chairs' job is to facilitate and to encourage the discussion in the community
- Some challenges might be lack of participation in this process
- Please participate in SIGs on-line and on-site. Any of your concern or experience are worth sharing among the community

As Chair of the APNIC Executive Council

- You are the part of the Internet
- You are the part of the Asian Internet
- APNIC is here to serve you all!
- Please participate in APNIC OPM
 - On-line and on-site
 - Let us hear what you feel.
 - Let us serve you for your better Internet
 - South Asia is important to APNIC

Questions?



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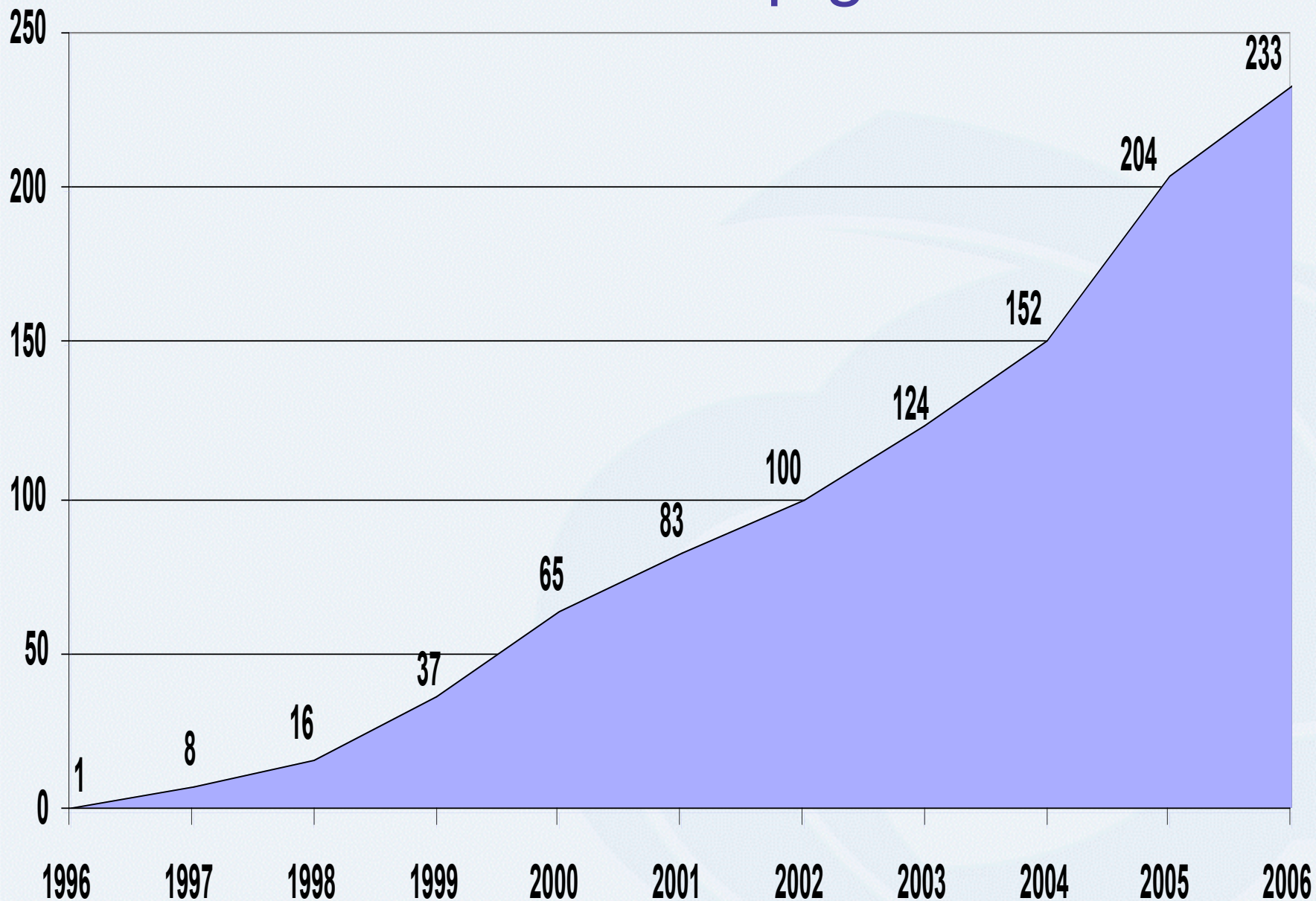
Importance of SA in APNIC region

- Marked growth as seen in numbers
 - Membership, IPv4, IPv6, ASN
- APNIC recognises growth in SA
- Recognition
 - More Collaborations
 - More support to SANOG
 - Root servers deployment
 - More training

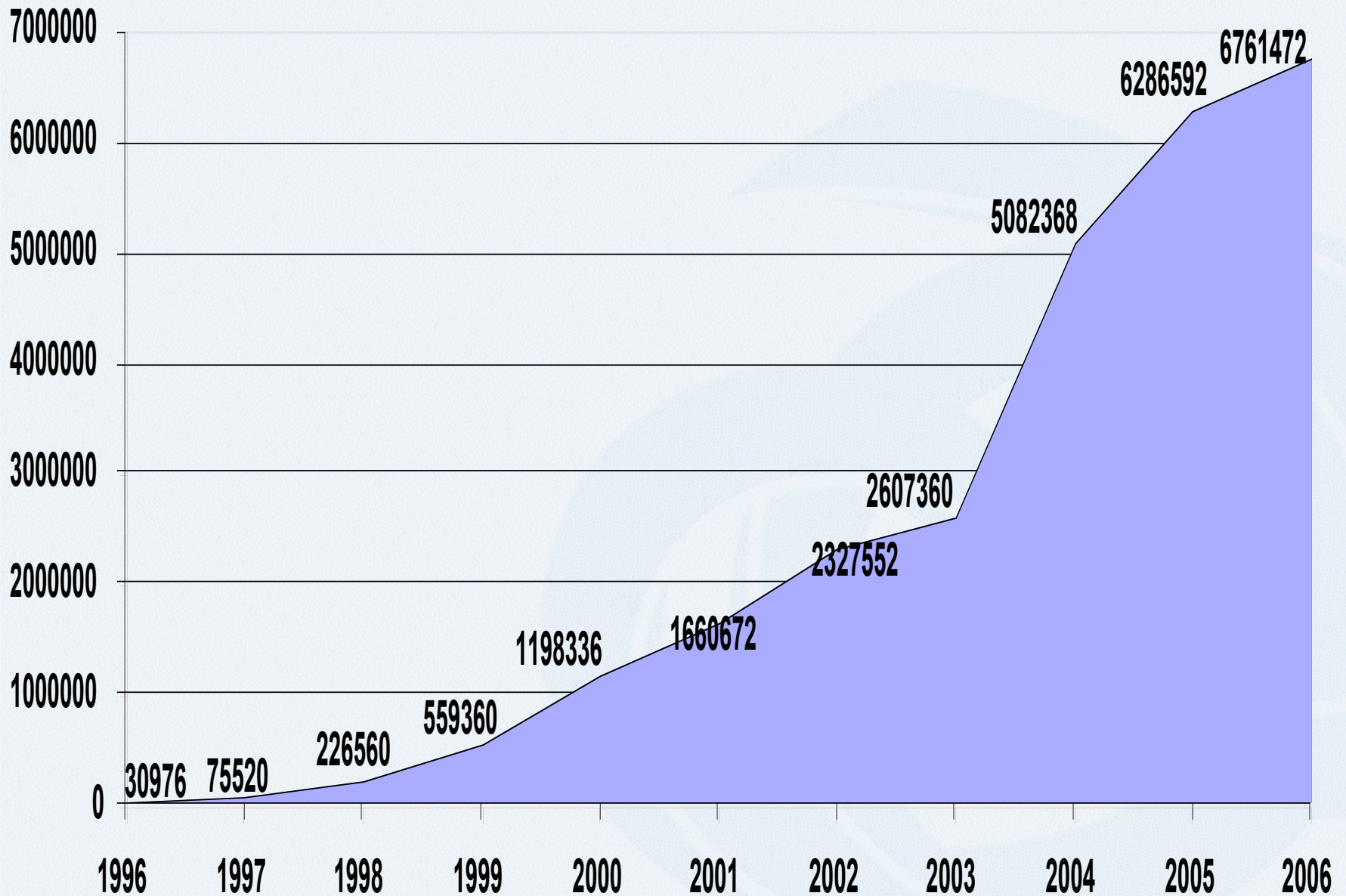
Cumulative membership growth in SA

Asia Pacific Network Information Centre

APNIC



Cumulative IPv4 growth in SA

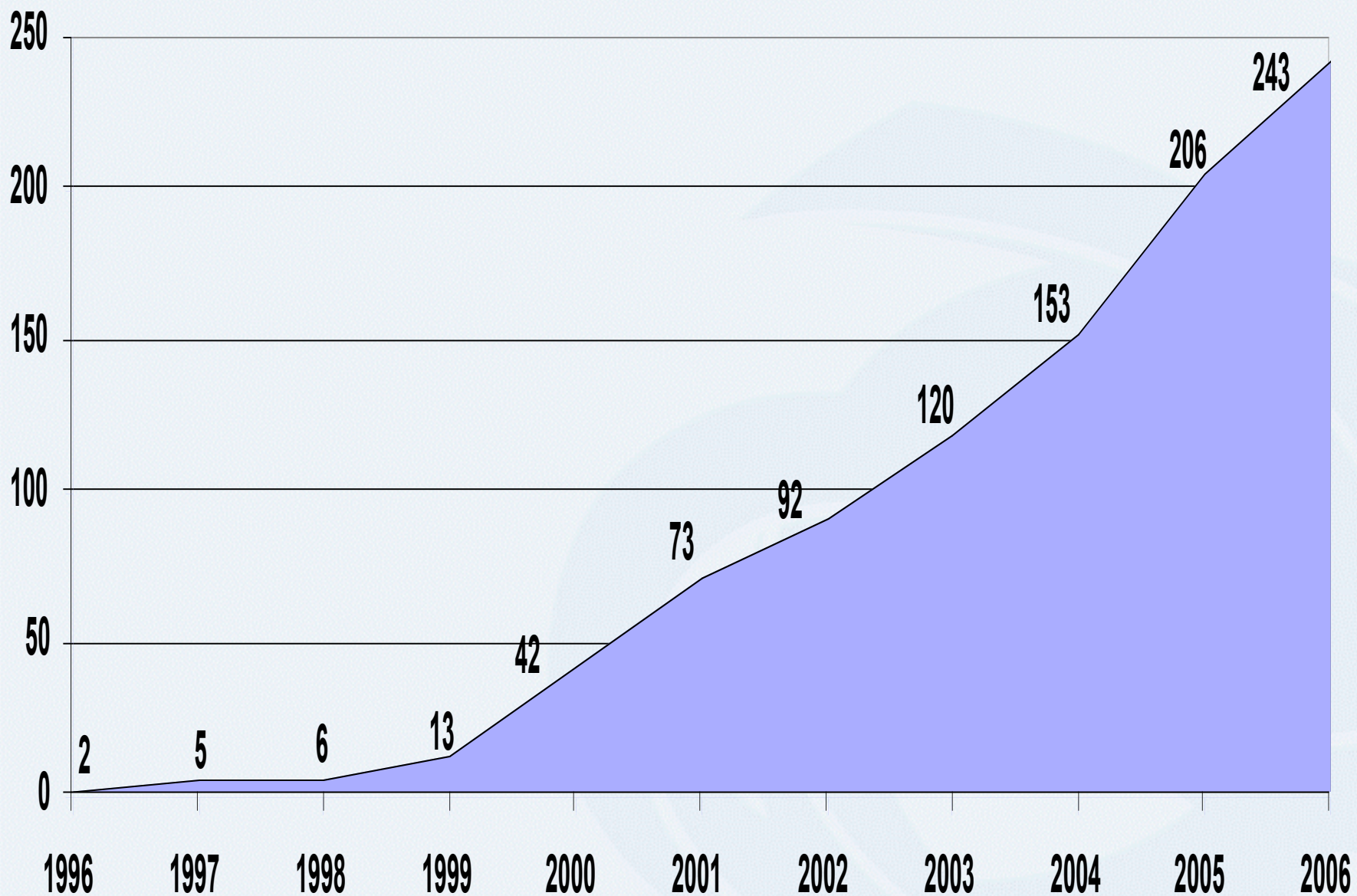


IPv6 delegations in SA

Economy	Number
BD	1
IN	10
PK	3
Total	14

Data valid as of 15 July 2006

Cumulative ASN growth in SA



Collaboration

- MoUs with industry
 - ISPAs
 - ISPAB, ISPAI, LISPA, ISPAN, ISPAK
 - SANOG
 - NIXI
- Key areas of collaboration
 - Promoting infrastructure development
 - Exchange of information
 - Training program



Critical infrastructure deployments



Recent training activities in SA

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	IRM E	8 Aug	Delhi
SANOG 6	16-23 Jul	Thimphu	DNS <small>workshop</small>	10-12 Aug	Hyderabad

- Other training options:
 - Webcast
 - eLearning

Questions?



“What is APNIC” The movie...

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- **Benefits of attending APNIC OPM**
- Policy development process
- Participation at APNIC OPMs

Next presenter : Champika Wijayatunga

- Background
 - Senior Training Specialist
- Topics
 - Benefits of attending APNIC Open Policy Meeting
 - Participation at APNIC OPMs
 - Fellowships
 - How to influence the policy making
 - Remote participation



Have you been to a APNIC meeting before?

Did you know that fellowships are available?



Overview

- Professional & career development benefits
- Educational benefits
- Understand the APNIC OPM processes
- Business benefits
- Social benefits



Professional & career benefits

- Stay abreast with developments in Internet and network technologies
- Acquire & develop new skills
- Learn hot tips on network operations & management



Educational benefits

- Attend
 - Workshops
 - Tutorials
 - Presentations

- Exchange Information & knowledge with
 - Other network operators
 - Vendors
 - Academics
 - Researchers



Understand the OPM processes

- Meeting activities
 - Member meeting & keynote address
 - SIGs (Special Interest Groups)
 - EC elections
 - BOFs (Birds of Feather)
 - Present & listen to proposals & reports
- Provide your input on matters important to you

Business benefits

- Developing contacts & partnerships
- Business development
- Sponsorship opportunities
- Low cost training by industry experts
- Learning hot tips reduces operational costs
- Access to APNIC helpdesk

Social benefits

- Make new acquaintances
- Renew ties with old acquaintances
- Meet APNIC staff and EC
- Meet industry experts
- Exposure to different Internet cultures
- Attend social events
- Newcomers programme for first time attendees

What do APNIC meetings look like?



What do APNIC meetings look like?

Presentations



Workshops/Tutorials



Reports / Proposals



Discussions / Clarifications



OPM Movie

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Next presenter : Savenaca Vocea

- Background
 - Policy Development Manager
- Topics
 - How policies impact your business?
 - Why do we need policies?
 - How are policies developed?

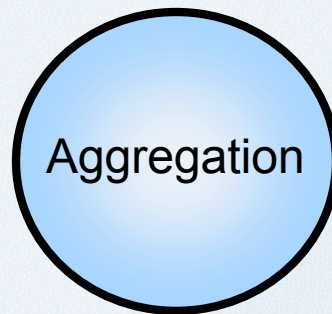
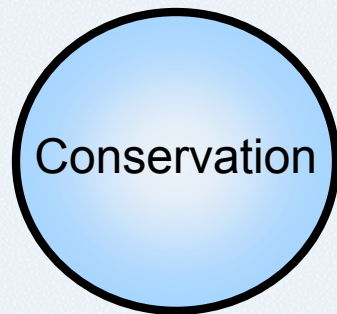
APNIC Policy can impact your
business... positively

Why you should participate?

- Business reasons
 - Policies affect your business operating environment and are constantly changing
 - Ensure your 'needs' are met
- Responsibility as APNIC member
 - Understand the current policies for managing your IP address space
- Educational reasons
 - Learn and share experiences
 - Stay abreast with Internet 'current best practice'

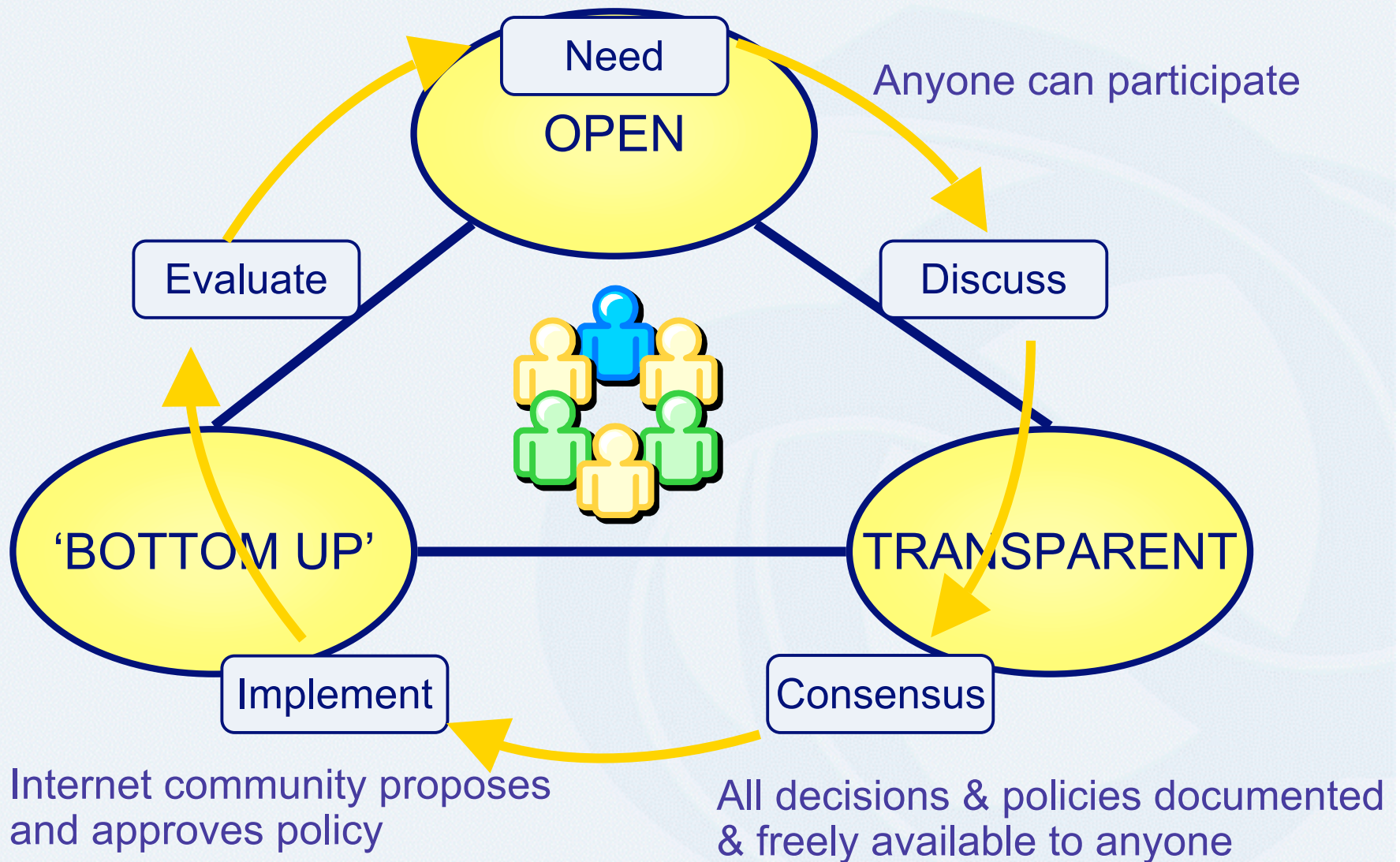
Policy in the APNIC region

- Policy goals
 - Lessons learnt from past



- Who creates policy?
 - *You* as part of the Internet community
 - Policy changes are also driven by changes in industry
- Policy development open to all

Policy development cycle



The policy development process

Need Discuss Consensus Implement



How to participate?

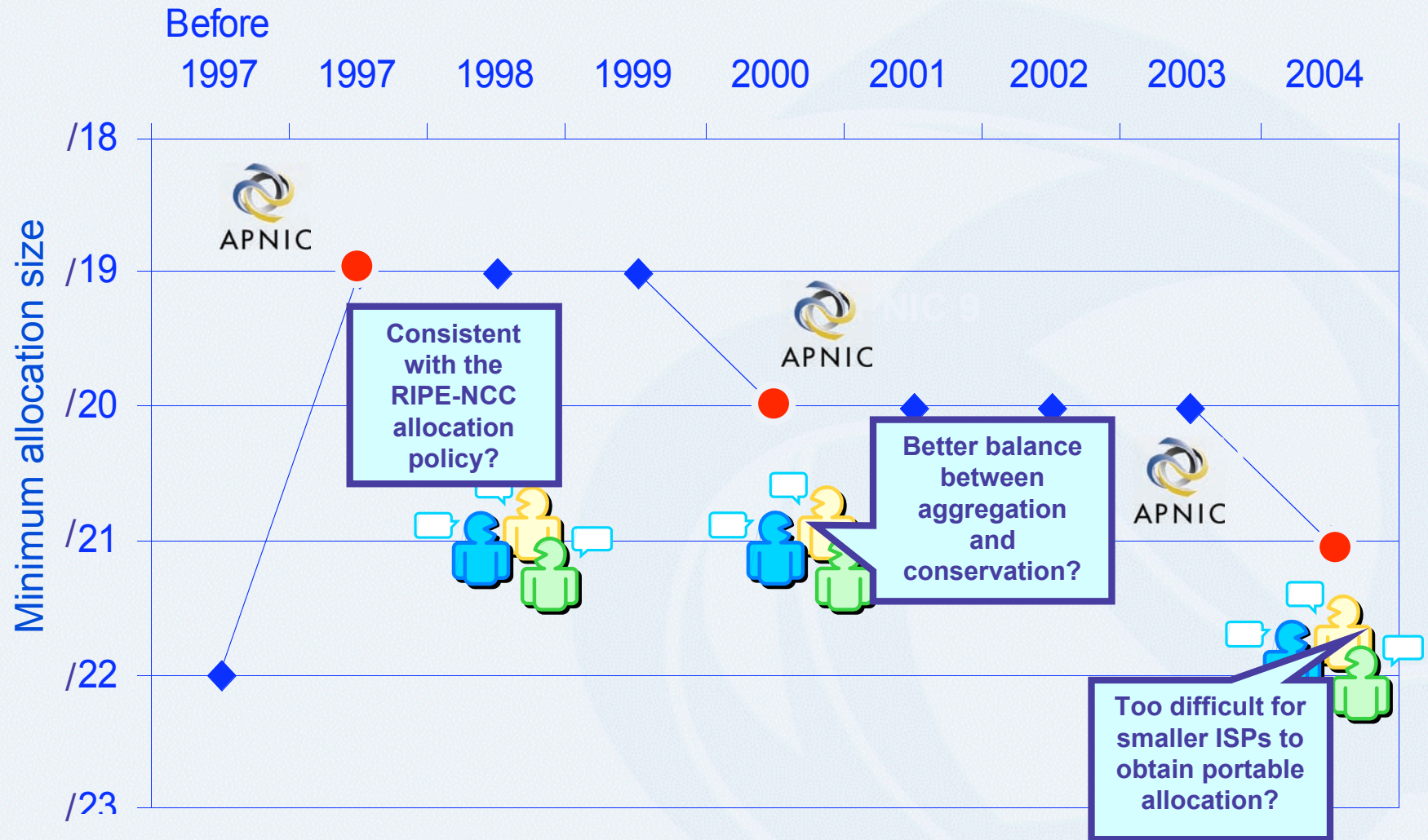


Case studies

Case 1: Changes to the minimum allocation size

- 1998
 - Your IPv4 request for a /21 would have been declined
 - Why ?
 - Must satisfy criteria for a /19 minimum allocation
 - Instead you would have to go to your upstream
- Problem!!
 - Small independent networks were having problems obtaining IP addresses from their upstream ISPs
- Solution
 - Policy modified via policy development process
 - Criteria changes and lowering of minimum allocation size

Case 1 – IPv4 allocation size



Case 2: Minimum IPv6 allocation size

- IPv6 min allocation changed from /35 to /32
 - Discussed global-ipv6, Dec 2001
 - Implemented July 2002
- Motivation
 - /32 sufficient for first deployment
 - Ease of reverse DNS delegation

Internet policy - what about you?


- Have an awareness of current discussions
 - Operational
 - SANOG, IETF, RIR meetings, ICONS, etc
 - Policy
 - Internet resource management
- Participate in APNIC meetings
 - Get involved in discussions
 - Create policies that work for you

Facilitating the process

- Policy development facilitation
 - APNIC secretariat is first contact
 - SIG chairs check suitability
 - Discussion in appropriate mailing list
 - Discussion in upcoming SIG and AMM
 - Decision by consensus
- Want a policy change?
 - Discuss with peers
 - Have your say
 - Secretariat happy to assist if needed



Policy page



APNIC

- MyAPNIC
- Info & FAQ
- Services
- Training
- Meetings
- Membership
- Policy
- Internet community
- Search
- Home

APNIC policies and policy development

Asia Pacific Network Information Centre

You're here: [Home](#) » APNIC policies and policy development

Quick Links

APNIC policies and policy development

APNIC's policies are developed by the membership and the broader Internet community through a bottom-up process of consultation and consensus.

APNIC policies	Policy development
<ul style="list-style-type: none">◦ Major policies◦ Corporate documents◦ Translated policies◦ Draft documents◦ Compare APNIC policies to other RIR policies	<ul style="list-style-type: none">◦ How APNIC policies are developed◦ APNIC policy proposals◦ Special Interest Groups (SIGs)◦ Birds of a Feather (BoF)

Why policies are important

IP addresses and AS numbers are shared resources, available for use by anyone who needs them. APNIC policies ensure that these resources are distributed fairly and consistently across the whole Asia Pacific region.

But over time, technology improvements change the needs of the Internet community. If APNIC's policies don't meet your needs, you can propose changes to existing policies or suggest new policies.

How you can participate

Anyone can submit a policy proposal using the online [policy proposal form](#). Policies are discussed at face-to-face [APNIC Open Policy Meetings](#), which are held twice per year. If you can't attend APNIC meetings in person, you can always [participate remotely](#). Between meetings, policies are discussed on APNIC's public [mailing lists](#).

Recent policy changes

[prop-030-v001](#) Deprecation of ip6.int reverse DNS service in APNIC

[prop-025-v001](#) Proposal on IPv6 IRR service at APNIC

Upcoming policy changes


[prop-032-v002](#) 4-byte AS number policy proposal

Proposals at APNIC 22

[prop-035-v001](#) IPv6 portable assignment for multihoming

[prop-034-v001](#) IPv6 portable assignment for end user organisations

[prop-033-v001](#) End site allocation policy for IPv6

How policies are developed

[View the movie](#)

What's next?

- Subscribe to APNIC SIG mailing lists if you haven't done so
 - Follow the discussions
 - Become spokesperson/representative for your organisation in the policy process
 - Contribute to the community, share your thoughts
- Participate in discussions
 - Attend APNIC 22
 - Remotely using available access tools
 - Meet and discuss with APNIC staff



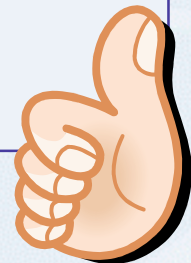
Policy Development Flash

Quiz



Who can be involved in policy development in the AP region?

- Anyone can be involved!
- APNIC members, members of the Internet community, or anyone interested in Internet policy!



Questions?



Guest speakers

- Philip Smith
- Gaurab Raj Upadhyaya
- Haris Shamsi

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Onsite participation

- You can participate as a speaker
 - Policy proposals, informational presentations or resource person
 - Complimentary registration
- Or as a regular attendee
 - APNIC meeting registration fee is subsidized for members
- Also as a fellow
 - Fellowships offered for both members and non members (SA economies fall into priority list)

Fellowships

- Why?
 - Enable Internet community in the developing economies of the AP region to attend APNIC meetings
- What?
 - Free registration for all tutorial and meeting sessions
 - Daily allowance for accommodation, meal and incidental expenses

Fellowships

Who?

- N/W providers in developing economies
Staff managing and operating networks

How?

- Residency in a developing economy of the AP
- Demonstrated ability to utilise the experience gained from APNIC meeting
- Offered on equal opportunity basis
- Previous recipients of SANOG, APRICOT, or past APNIC fellowship grants are not eligible

Remote participation



- Why?
 - You may not be able to physically participate
 - Time constraints
 - Budget constraints
- How?
 - Jabber chat
 - You can follow live transcripts of meeting sessions
 - Discuss issues with others in the chat room
 - Have your questions or comments read out and discussed at the meeting
 - Webcasts / Video streaming

The case for IPv6:

A presentation by Geoff Huston

APNIC meeting website is your
reference point

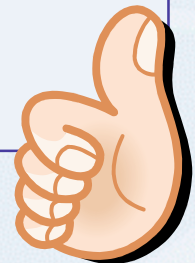
<http://www.apnic.net/meetings/>

Quiz



What remote participation options are available APNIC meetings?

- Webcast
- Live transcripts
- Jabber chat



Questions?



ICONS online quiz results

Summary

- What is APNIC?
- Importance of SA in APNIC region
- Policy process
- How & why to participate in APNIC OPM

Welcome to APNIC 22



22nd APNIC Open Policy Meeting

4 - 8 September 2006 Kaohsiung - TAIWAN

