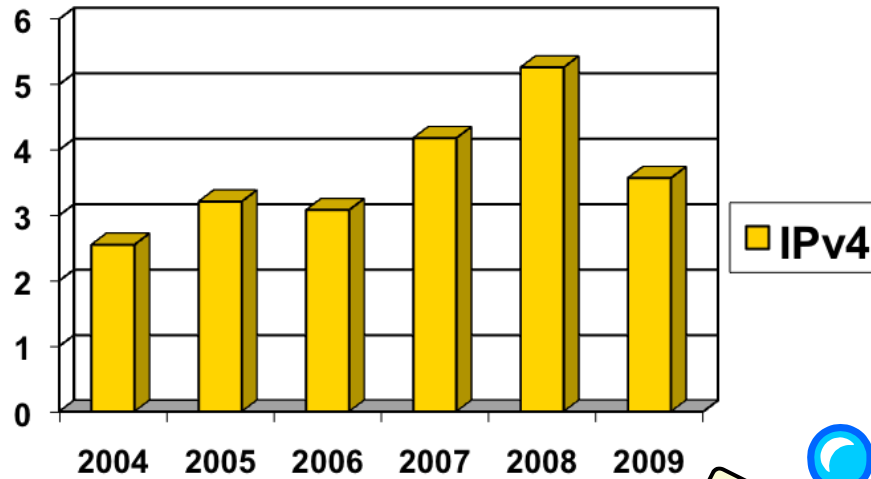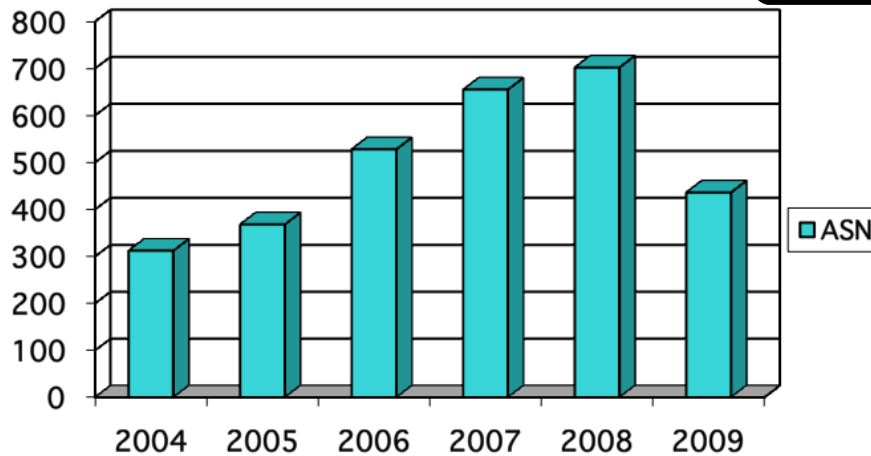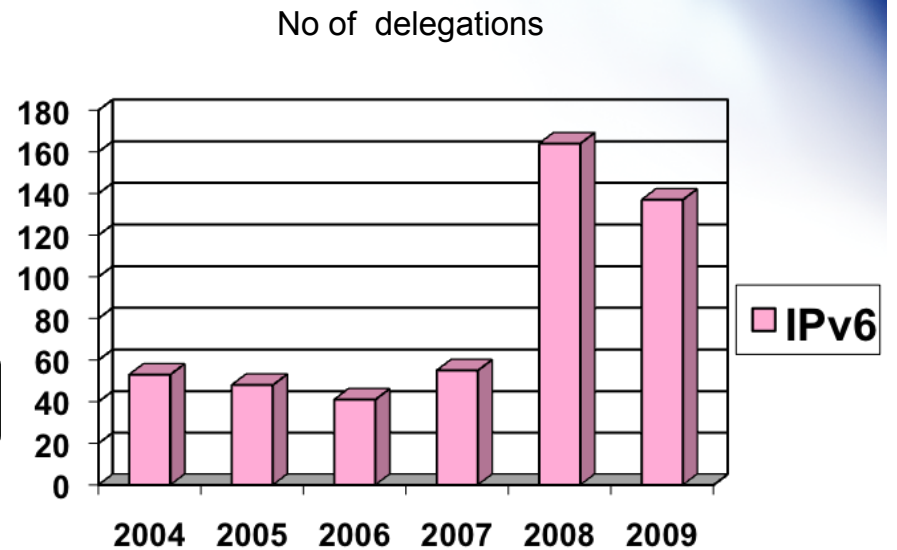# APNIC Update

RIPE 59

October 2009

Overview

- APNIC Services Update
- APNIC 28 policy outcomes
- APNIC Members and Stakeholder Survey
- Next APNIC Meetings

Resource Delegations (1 Oct 09)

No of /8 delegated

No of /32 delegated

No of delegations

IPv4

IPv6

ASN

Resource Services

APNIC Service Levels

- *Membership* now over 2,000 members
- July 2009 was the largest month on record for *new membership* applications/approvals
- APNIC now averages 1,400+ per month *Helpdesk* enquiries, a growth of over 55% in the last year
- The number *of allocations of address space* has grown slightly from an average of 100 per month to 105 in 2009.

APNIC 28 policy outcomes

Proposal	Title	Overview
Prop-050 Reached consensus	IPv4 address transfers	This policy proposes removing APNIC policy restrictions on the transfer of registration of IPv4 address allocations and IPv4 portable address assignments between current APNIC account holders.
Prop-073 Reached consensus	Simplifying allocation/ assignment of IPv6 to APNIC members with existing IPv4 addresses	This proposal directs the APNIC Secretariat to automatically assess and provide IPv6 resources to APNIC members that currently hold IPv4 resources in the APNIC registry but who do not hold IPv6 resources in the APNIC registry.
Prop-074 Reached consensus	Internet Assigned Numbers Authority (IANA) Policy for Allocation of ASN Blocks (ASNs) to Regional Internet Registries	According to the current Global Policy for Allocation of ASN Blocks to Regional Internet Registries, IANA will cease to make any distinction between 16-bit and 32-bit only ASN blocks by 31 December 2009, when making allocations to RIRs. This proposal is to extend this date by one year, to 31 December 2010.

For more information http://www.apnic.net/policy/proposals

APNIC 28 policy outcomes

Proposal	Title	Overview
Prop-075 Reached consensus	Ensuring efficient use of historical AS numbers	This is a policy proposal to recover unused historical AS numbers for eventual reassignment to other APNIC account holders.
Prop-077 Did not reached consensus	Proposal to supplement transfer policy of historical IPv4 addresses	This policy proposal seeks to supplement current policy for the transfer of historical Internet resources, by requiring recipients of transferred historical IPv4 address space to justify its use or subjected to the justification criteria of transfer policy of current IPv4 resources.
Prop-078 Did not reached consensus	Reserving /10 IPv4 address space to facilitate IPv6 deployment	This proposal seeks to ensure some small blocks of IPv4 space will remain available for a long time to ease the co-existence of IPv4 and IPv6 and to facilitate IPv6 deployment.
Prop-076 Did not reached consensus	Requiring aggregation for IPv6 subsequent allocations	This is a proposal to make it a condition that LIRs aggregate subsequent IPv6 allocations that they receive from APNIC

For more information http://www.apnic.net/policy/proposals

Current Priorities in Services and Activities

1. Research and development activities (for example: network monitoring and measuring, routability testing)
2. Support network engineering education in the Asia Pacific region
3. Support of IPv6 deployment
4. Expand training activities in scope, geographical coverage and online options
5. Increase the support of the community's efforts to adopt IPv6
6. Streamline resource requests and allocation processes
7. Further development of resource certification to support better routing security
8. Expand network monitoring, reporting
9. Develop web services for automated data exchange with external systems
10. Deploy more DNS root servers in the Asia Pacific region

Research and Development

- APNIC's Resource Certification services
  - Resource Certification added to MyAPNIC portal as a production service since September 2008
  - Further work in user tools and service enhancements
  - Support for standardization activities in the IETF in the Routing Security area
- BGP dynamics and scalability
- DNS measurement activity
- IPv6 deployment metrics

Education and Training

- Focus on network engineering education in the region

- APNIC Network Lab expansion with IPv6 Test Bed for practical experience in deployment scenarios

- Collaboration with Team Cyrmu to assist with facility expert security training in AP region

- E-learning and Self-paced learning

IPv6 Promotion

- Coordinating and promoting IPv6 activities across the whole of APNIC region

Current activities

- Launch of ICONS IPv6 Wiki
- IPv6 messages and materials
- IPv6 Workshop for APEC TEL WG

Process Engineering

- Streamlining resource requests and allocation processes
  - New MyAPNIC features
    - Request for initial resources
      - Easy step-by-step guide
    - Request for subsequent resources
      - Automatic utilisation calculation
  - Improved, integrated membership sign-up & resource request form

Network Monitoring

- Test Traffic Measurement (TTM)
  - Sponsorship of 12 Asia Pacific Nodes
  - Deployment of Test Traffic Measurement (TTM) devices at root server locations
    - Pakistan (in operation)
    - Hong Kong (shipped)
    - Bangladesh (shipped)
    - India (being built)
    - Taiwan (being built)
    - Philippines, and many more…

- 'Day In the Life of the Internet' Project (DITL)
  - Provided over 478 gigabytes of data on DNS packetflows

DNS Delegated Zone Services

- Develop web services for automated data exchange with external systems
  - Secure channel for updating member reverse delegations
  - Will be used to link member DNSSEC signed zones to APNIC DNSSEC signed zones

DNS Root server deployment

– Root server deployed in Taiwan
– Current planning for Mongolia later in 2009

Next APNIC meetings

- APNIC 29 in conjunction with APRICOT 2010
- Kuala Lumpur, 23 February – 5 March 2010
- Participate remotely via webcast, audio streaming, live transcripts.
- More info at
  http://www.apricot2010.net/

Next APNIC meetings

- APNIC 30
  - August 2010
  - Bangkok, Thailand

Questions?