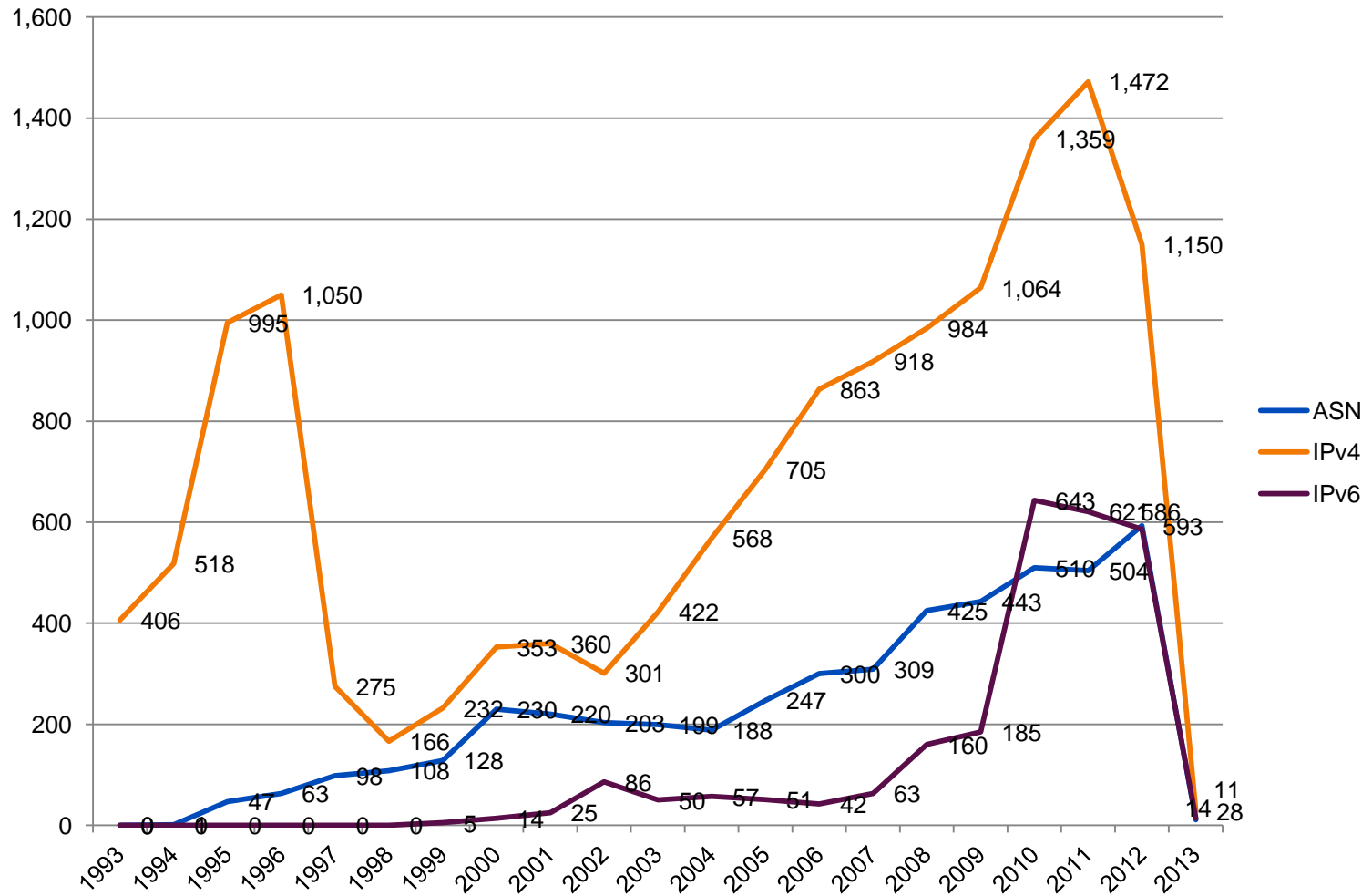# APNIC Update

Srinivas (Sunny) Chendi

Senior Community Engagement Specialist, APNIC
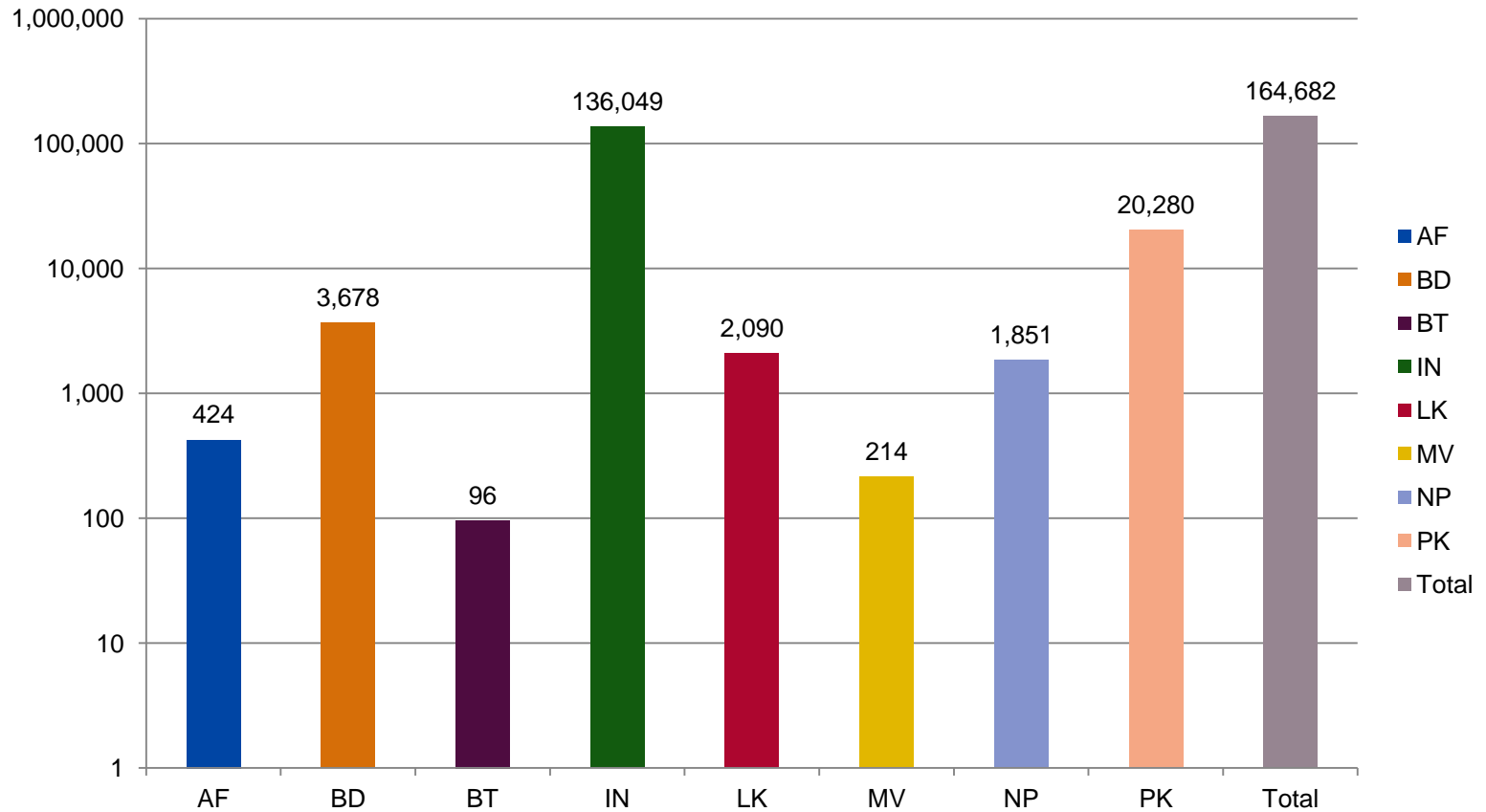
SANOG XXI 28 January 2013

Resource Delegations
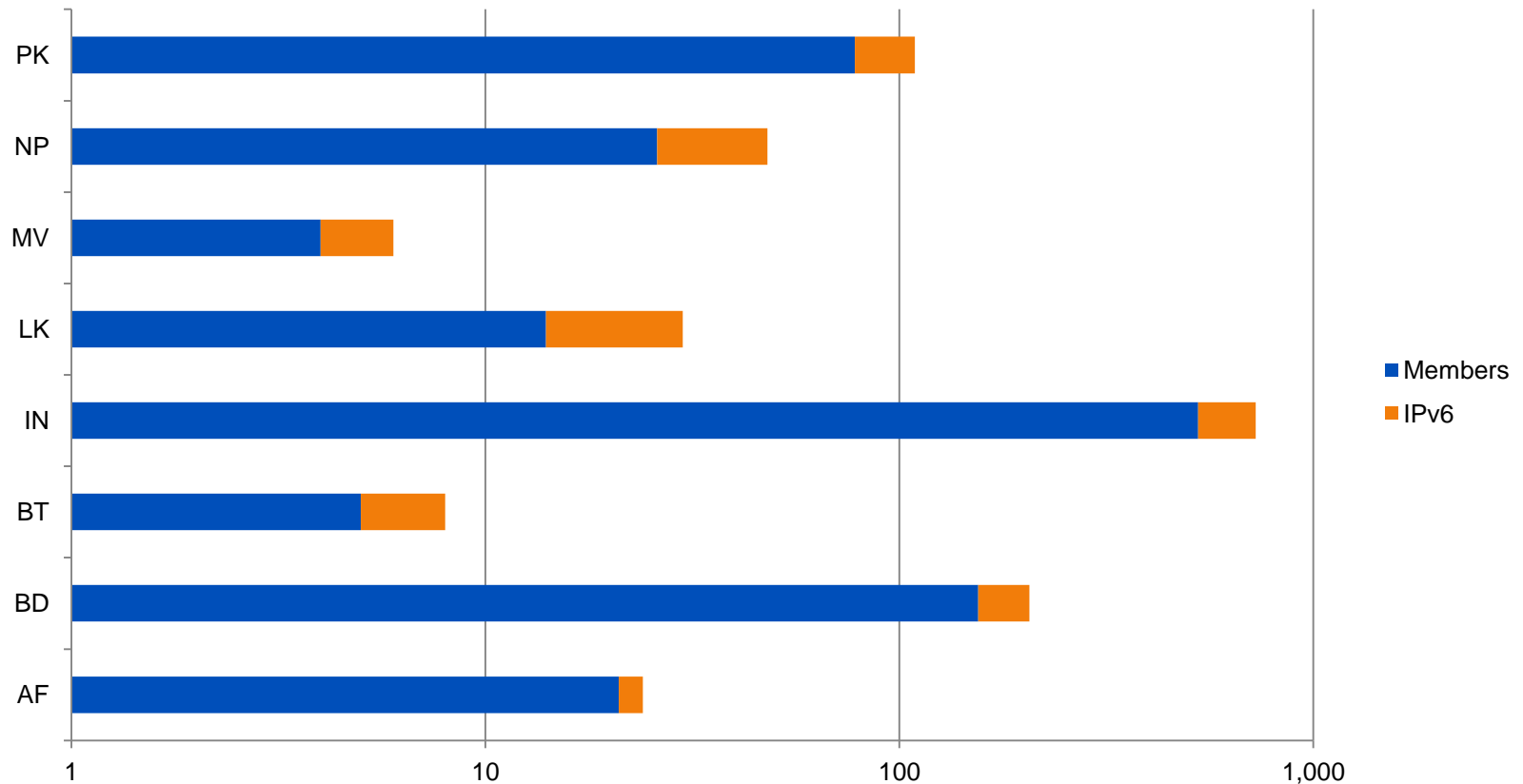
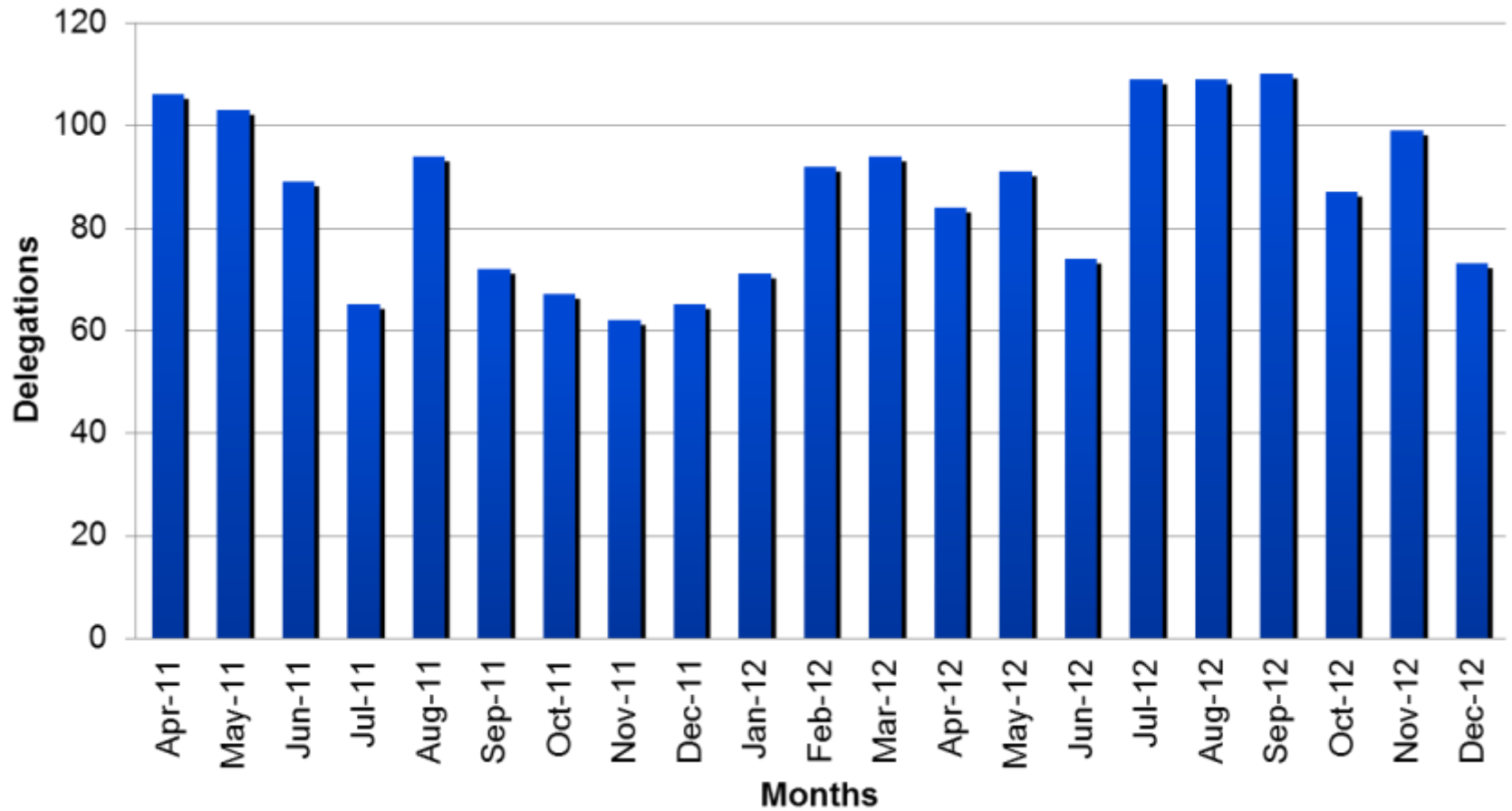# Total IPv4 Delegations - South Asia

In /24s as of 11 January 2013

Total IPv6 Delegations – South Asia

as of 11 January 2013
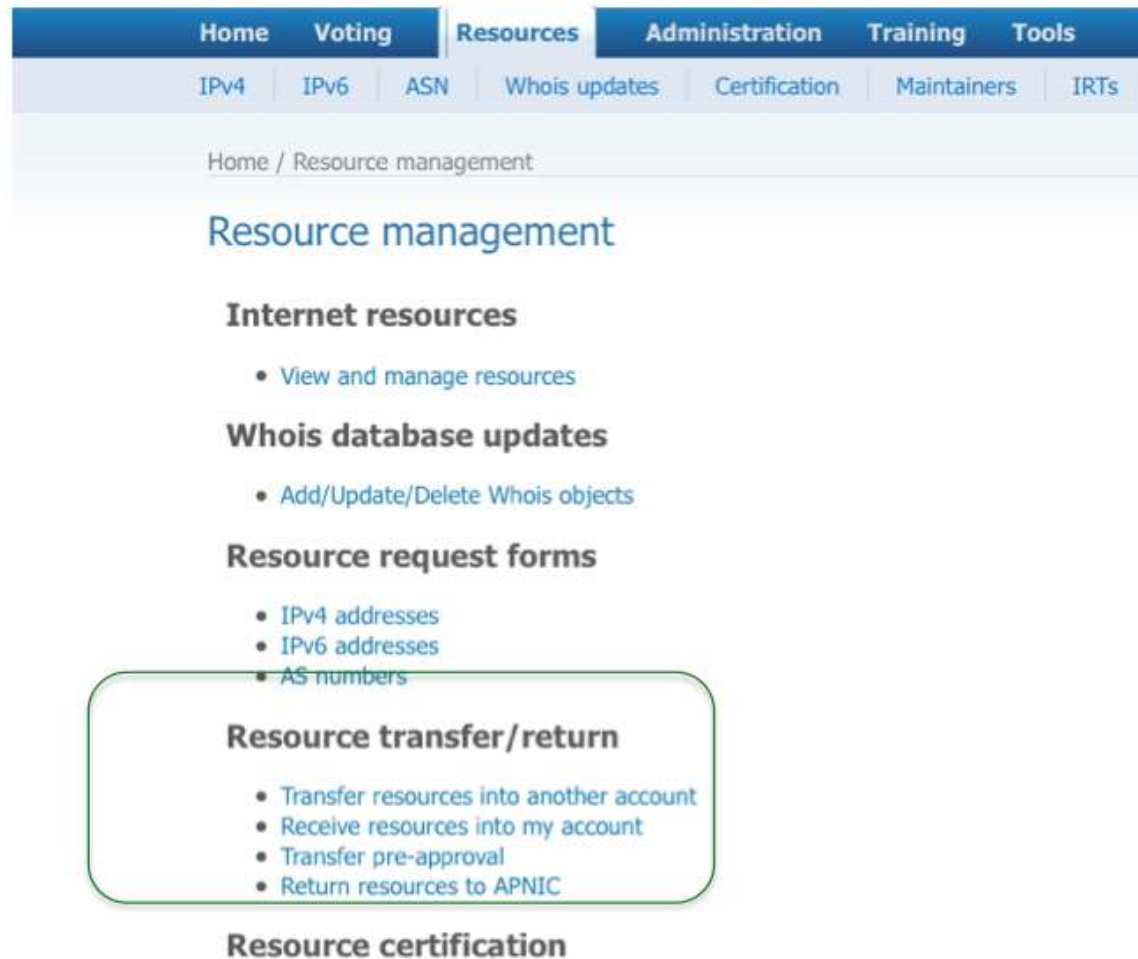
Final /8 Delegation

IPv4 Transfers

- Inter-RIR transfers now available
  - Currently between ARIN and APNIC regions
  - Transfer fee applies
  - Recipient must be able to demonstrate a need for addresses under normal APNIC allocation policies

- Agreed Inter-RIR transfer procedure by all RIRs
  - Jointly created by the respective Resource Services Managers

- IPv4 Transfers Listing Service
  - Pre-approved recipients list available
  - Opt-in anonymous listing
  - Source can contact recipient before a transfer is initiated

www.apnic.net/transfer

Inter-RIR Transfer Summary

- Submit pre-approval request via MyAPNIC for evaluation

- Consider using APNIC IPv4 Transfer Listing Service after receipt of approval
    - http://www.apnic.net/pre-approval-listing

- Locate and reach agreement with source of IPv4 addresses outside of AP region

- Source initiates IPv4 transfer via respective RIR
    - Additional info: http://www.apnic.net/transfer

Supporting IPv4 Transfers

IPv4 Pre-approval

Home / Resource management / Transfer pre-approval

Transfer pre-approval

Your account already has a valid pre-approval:

- Approval date: 2011-11-20
- Expiry date: 2012-11-20
- Prefixes available: /17, /18, /19 and /20

Only complete this form if your IPv4 requirements have changed.

Next

Training

- Continuing focus on IPv6 deployment
  - Comprehensive face-to-face and eLearning sessions

- eLearning
  - One-hour modules
  - Delivered weekly in three time zones
  - New schedule for 2013

- Face-to-Face
  - Extensive hands-on exercises
  - Remote Training Lab to enable participants to build and configure networks
    - Lab upgraded in 2011 to resemble topology of an ISP with multiple operation regions

www.apnic.net/training

APNIC Labs

- IPv6 Capability Tracker
  - Google Analytics tracking tool to enable website operators to measure client IPv6 capabilities

- Measuring IPv6
  - Measuring the end-to-end capability of IPv6 clients per economy
  - Readiness data at end-user level for various intergovernmental organizations and economies

- IPv6 preference by AS Number
  - Measures IPv6 client capability per autonomous system

- IPv4 address report
  - Measuring IPv4 free pool address exhaustion

www.labs.apnic.net

www.blabs.apnic.net

APNIC Policies in 2012

- Implemented:
  - prop-102: Sparse allocation guidelines for IPv6 resource allocations
  - Implemented 20 August 2012

- Withdrawn by author:
  - prop-099: IPv6 reservation for large networks

- Abandoned:
  - prop-098: Optimizing IPv6 allocation strategies (simplified)

- Reached consensus at APNIC 34:
  - prop-101: Removing multihoming requirement for IPv6 portable assignments
  - Prop-104: Clarifying demonstrated needs requirement in IPv4 transfer policy

- Withdrawn by author at APNIC 34:
  - prop-103: A final IP address policy

Information Society Innovation Fund

- A grants program aimed at stimulating creative solutions to ICT development needs in the Asia Pacific region

- Now part of the Seed Alliance for Internet development and digital innovation
  - Joint effort with LACNIC (Frida) and AfriNIC (Fire), with generous support from the IDRC and possible funding from SIDA

- New round of funding launched in 2012 with four new categories for both grants and awards:
  - Innovation on access provision
  - Innovation on learning and localization
  - Code for the common good
  - Rights

APNIC's Engagement with the ITU

- One of the first Internet organizations to join as a Sector Member

- Participated in different ITU World and Plenipotentiary Conferences
  - Engaging with the ITU membership on IP addressing matters

- Active contribution with the NRO to the ITU IPv6 Group
  - Group recently closed as no current concerns identified with existing allocation model

- Co-organization of IPv6 workshop and migration strategies with ITU Regional Office Centre of Excellence since 2011

APNIC

APNIC Survey

- Conducted by Professor Ang Peng Hwa, Singapore Internet Research Centre (SIRC) on behalf of the APNIC EC

- Received 1,333 valid responses from 67 economies
  - Valid responses were 67.9% higher than the previous Survey

- 70% of respondents reported high satisfaction vs 64% from the previous Survey

www.apnic.net/survey

APNIC Survey – Top Ten Priorities Future Planning

Priorities	Rating
Resource registration including APNIC Whois DB	5.59
Root server deployment in the region	5.49
Reverse DNS services	5.48
Internet community support	5.38
Training services	5.37
Research activities	5.32
Internet numbers resource transfers	5.25
Policy development facilitation	5.23
Internet number statistics	5.19
Secondary DNS services	5.17

Ratings from 1 to 7

Upcoming Conferences

- APNIC 35, Singapore
  - 20 February to 1 March 2013 (with APRICOT 2013)

- APNIC 36, Xi'an, China
  - 20 to 30 August 2013

Thanks

APNIC