

APNIC Update IPv4 & IPv6 Stat

SANOGVIII

15 September 2011

Nurul Islam Roman

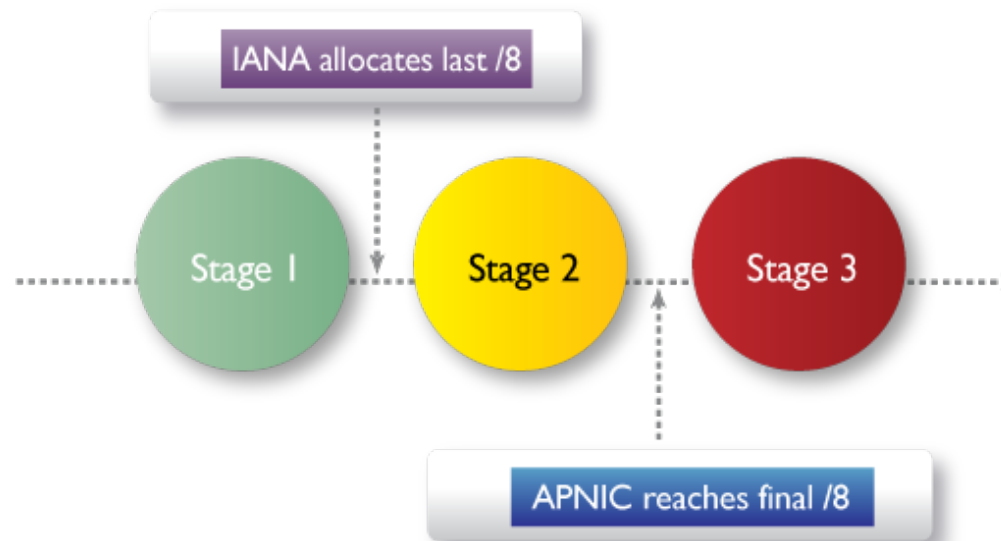
Technical Training Officer, APNIC

Overview

- Resource Services update
- APNIC policy updates
- 2011 Member and Stakeholder Survey
- Upcoming Meetings

Resource Services

- IPv4 exhaustion
 - Now in stage 3, as of 14 April 2011

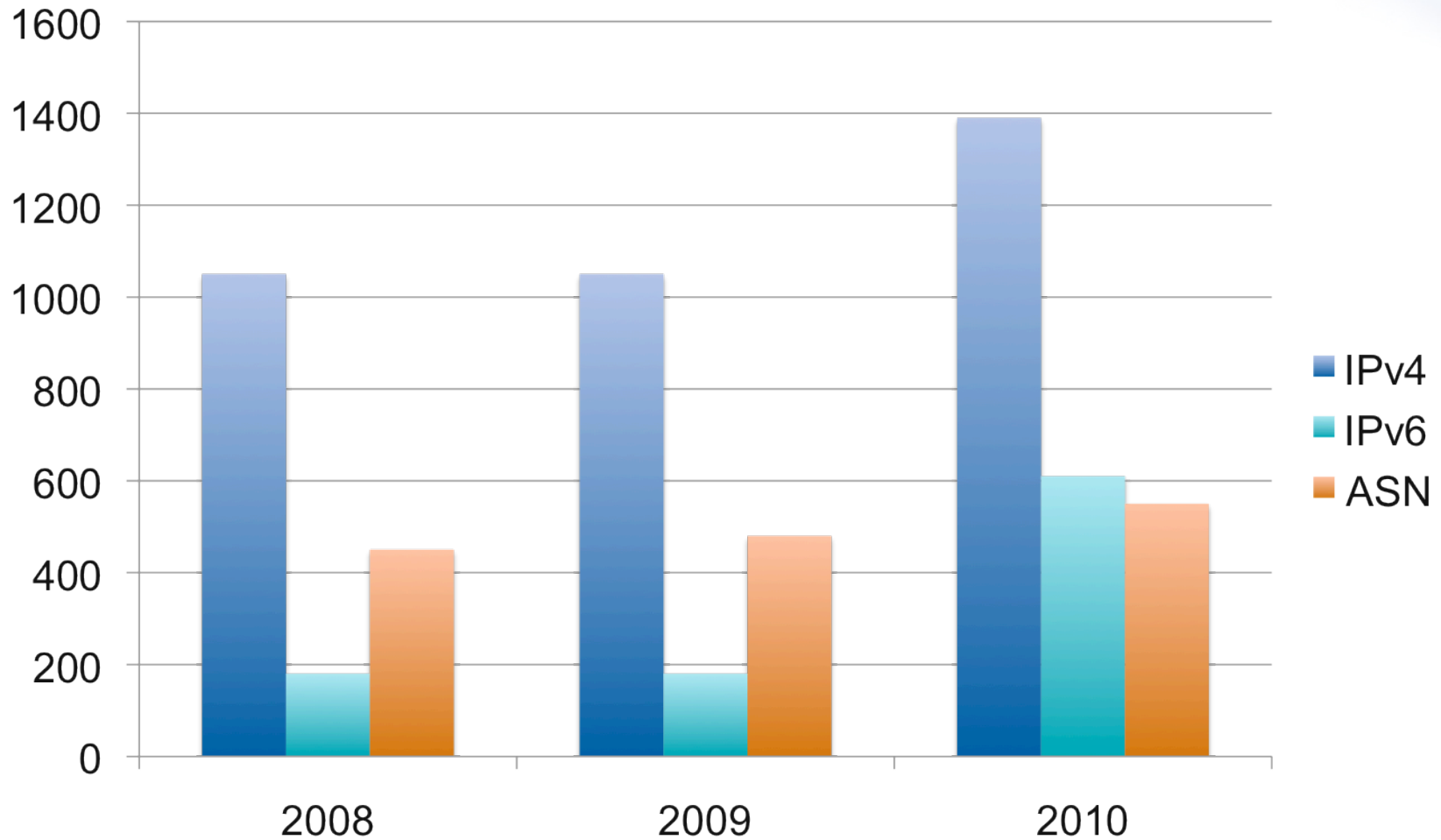


- IANA handed out APNIC's last /8 block, **103/8**, on 3 February 2011



Resource Delegations

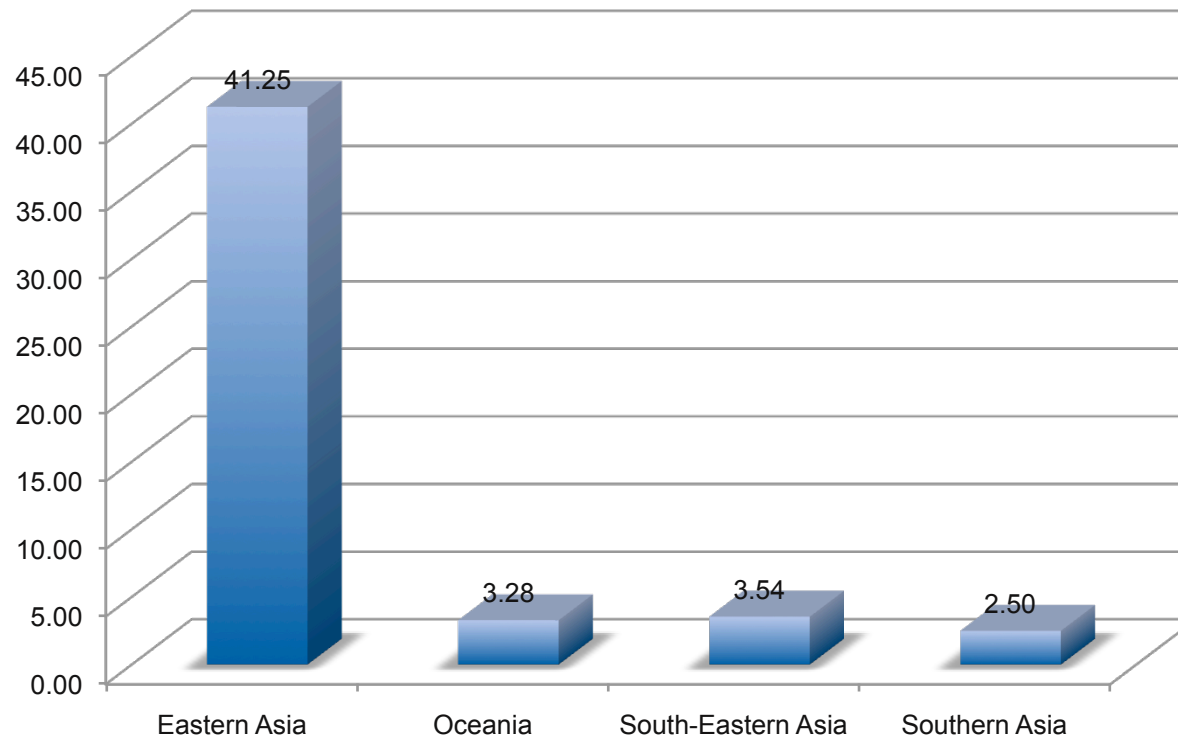
IP address & ASN delegation count





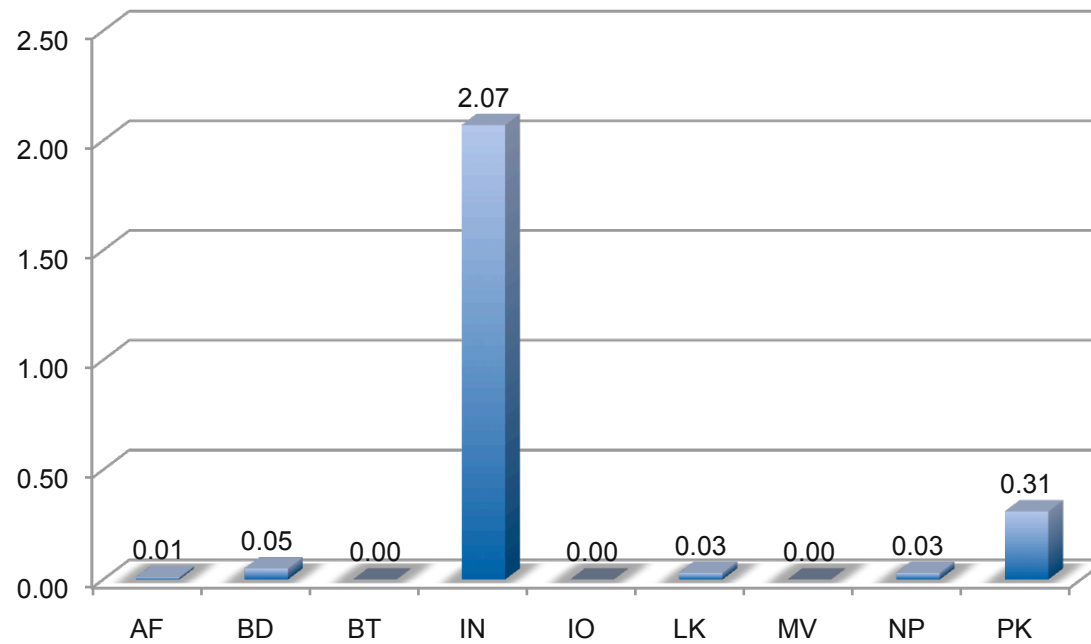
Resource Services

IPv4 delegation in sub region [/8 unit]



Resource Services

IPv4 delegation in south asia region [/8 unit]



Resource Services

- 2010 IPv6 delegations more than tripled
 - 650 delegations in 2010
 - Strong response to “Kickstart IPv6” with over 402 new applications
 - Members with existing IPv4 allocations or assignments may instantly qualify for an IPv6 block



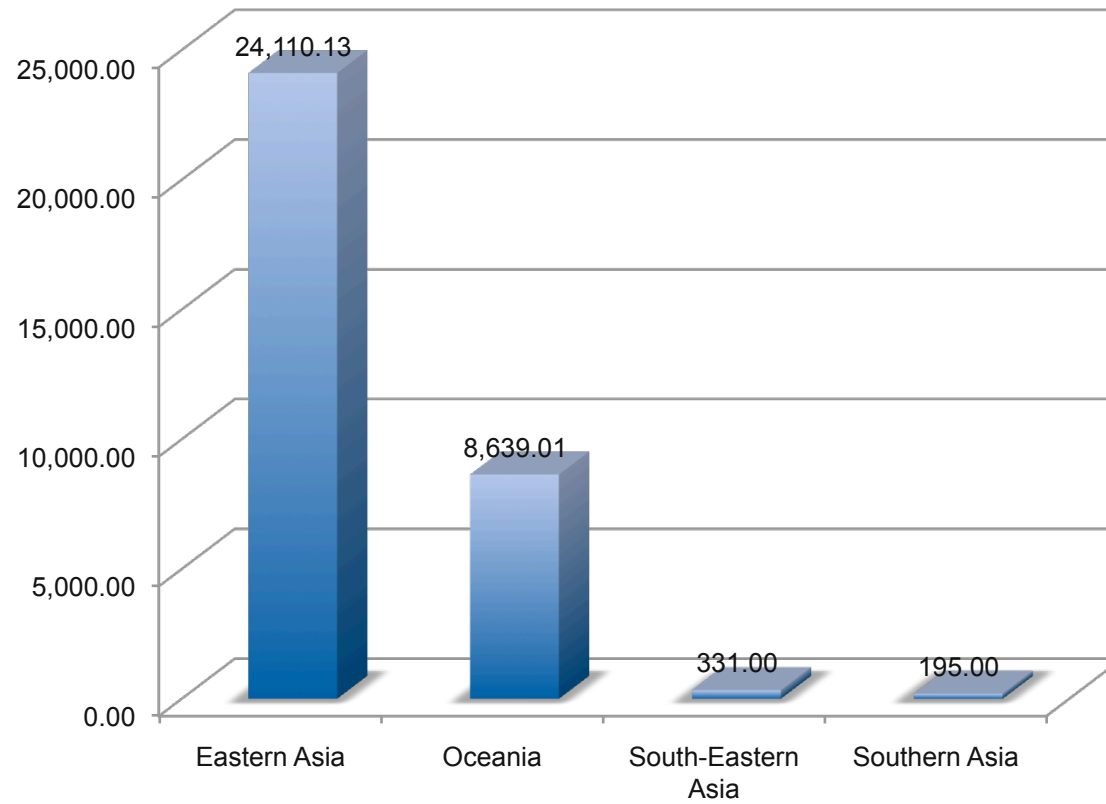
Kickstart your IPv6 network!

[Click here to find out how to get your IPv6 block](#)



Resource Services

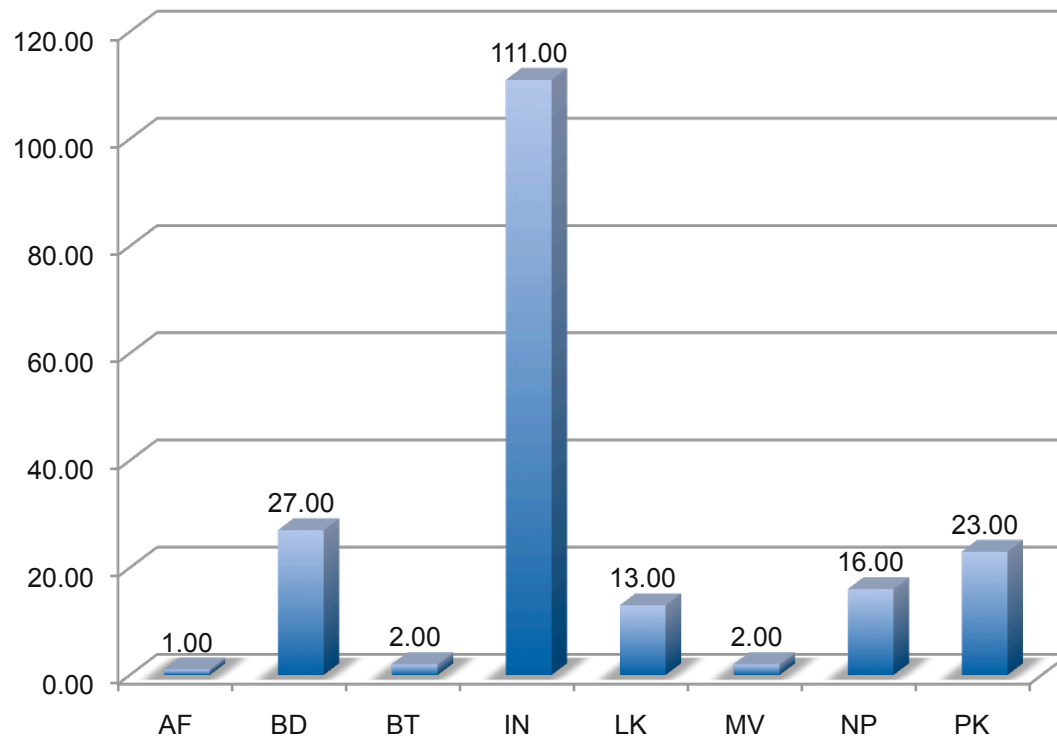
IPv6 delegation in sub region [/32 unit]





Resource Services

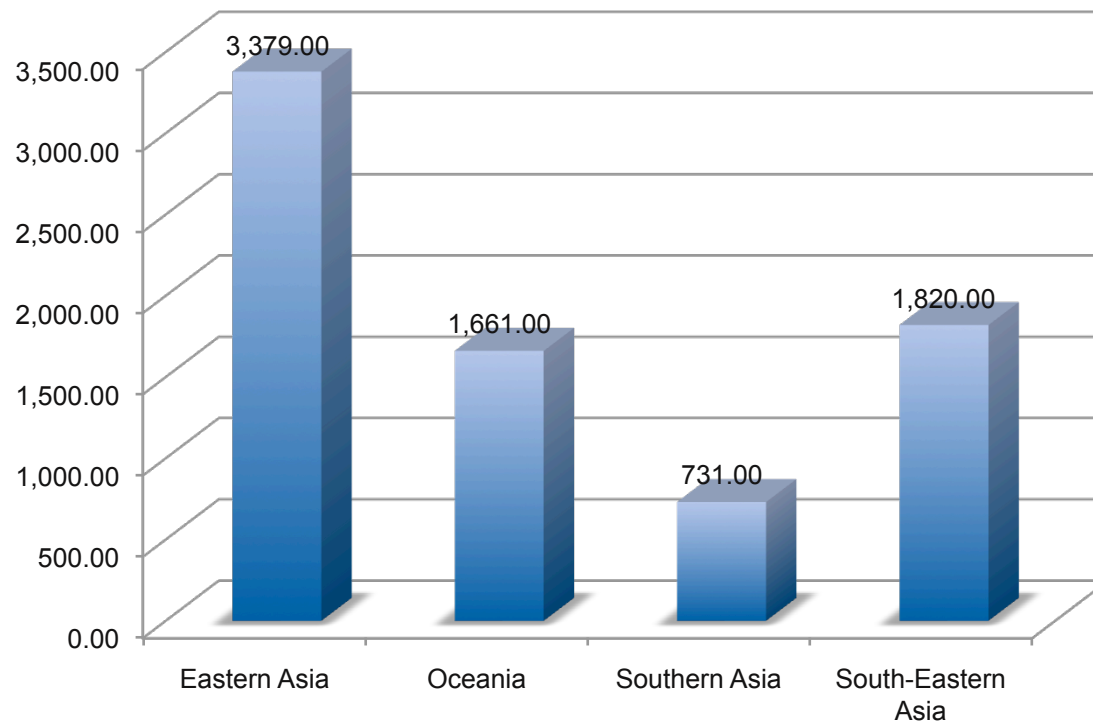
IPv6 delegation in south asia region [/32 unit]





Resource Services

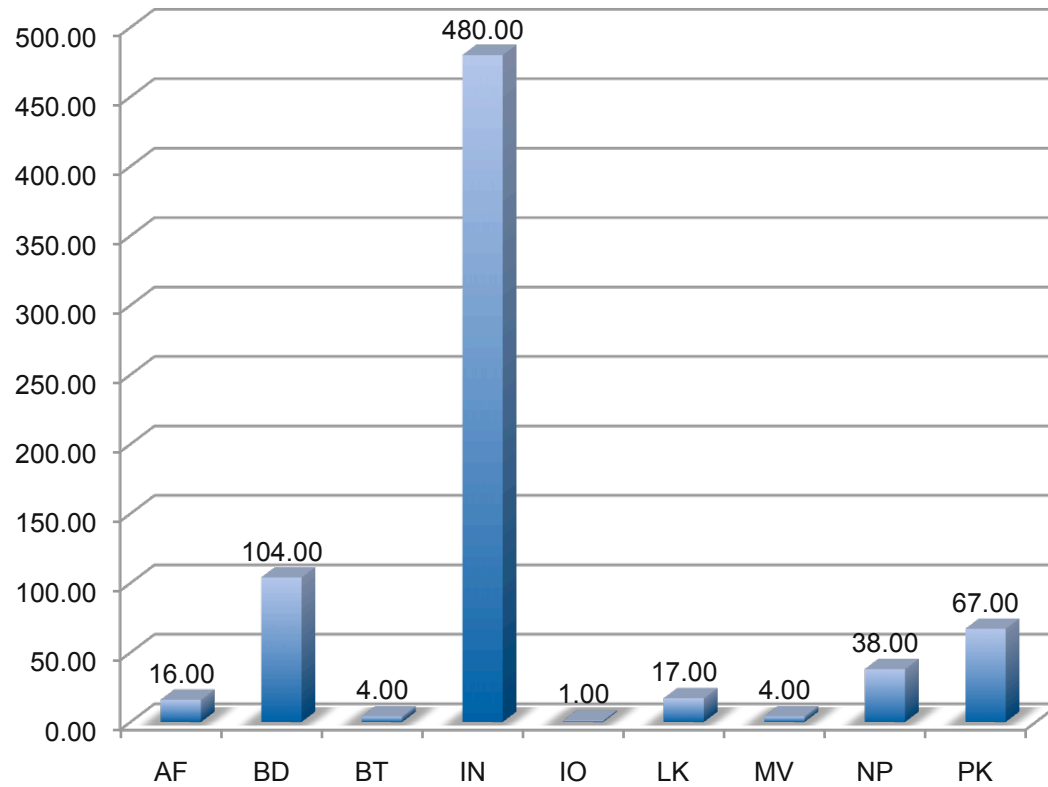
ASN delegation in sub region





Resource Services

ASN delegation in south asia region



Policy Update

Implemented recently

Proposal	Title	Overview
Prop-095	Inter-RIR IPv4 address transfer proposal	Permit IPv4 transfers between APNIC account holders and organizations with relationships with other RIRs, as long as the other RIR also has an inter-RIR transfer policy
Prop-083	Alternative criteria for subsequent IPv6 allocations	Permit current APNIC account holders with networks in multiple locations but without a connecting infrastructure to obtain IPv6 resources for each location.

Policy Update

Reached consensus at APNIC 32

Proposal	Title	Overview
Prop-096	Maintaining demonstrated needs requirement in transfer policy after the final /8 phase	Recipients to continue to need to justify a need for the resources into the final /8 phase.

Policy Update

**Returned to the mailing list for further discussion
(Did not reach consensus in APNIC32)**

Proposal	Title	Overview
Prop-100	National IP Address Plan - Allocation of country-wide IP address blocks	This proposal calls for a large block of IPv6 addresses to be allocated to an Indian NIR when it becomes operational.
Prop-099	IPv6 Reservation for Large Networks	This proposal extends the IPv6 request process to allow large ISPs to request multiple prefixes within a single, contiguous, reserved space
Prop-098	Optimizing IPv6 allocation strategies	The proposal is to remove HD-ratio as the defining usage rate indicator and to align allocations on nibble boundaries.

Member Survey

- 2011 Member and Stakeholder Survey conducted by Prof. Ang Peng Hwa on behalf of the APNIC Executive Council
- Overall, membership generally satisfied with APNIC services. Rated 8.09 out of 10.
- 794 valid responses from 47 economies
 - Increase of 32% from previous surveys
 - 40% support IPv6, but interestingly, only 20% have the budget for it

Member Survey – Top Ten

A.1.1. Overall, the services provided by APNIC are satisfactory.	8.09
A.1.3. APNIC communicates in a way that meets my needs.	7.83
A.2.4. APNIC should provide 24/7 Helpdesk operation for critical services.	7.79
A.3.1. The APNIC Helpdesk provides timely and appropriate responses for billing and administration enquiries.	7.76
A.2.3. The APNIC Helpdesk provides timely and appropriate responses to technical and service enquiries.	7.74
B.4.3. APNIC should establish more partnerships to support training and education for organizations in need.	7.71
A.2.8. APNIC should spend more effort informing network operator communities on routability/reachability issues.	7.67
A.2.2. APNIC resource allocation services (IPv4, IPv6 and ASNs) are adequate in response time and relevance.	7.63
B.1.3.1. The APNIC Whois Database operates at a high level of quality, usability and reliability.	7.63
B.1.3.2. The APNIC Reverse DNS service operates at a high level of quality, usability and reliability.	7.63

Member Survey – Bottom Ten

B.5.5. There are suggestions that a Government-Advisory Committee, similar to ICANN's, be formed for APNIC. Do you agree?	6.28
B.5.1. Should governments in the Asia Pacific region be more involved in APNIC?	6.35
A.1.4. APNIC should provide support in more languages than it currently supports.	6.37
B.1.1.2. APNIC needs a Policy Development Process that allows policies to change more frequently.	6.49
B.4.7. APNIC eLearning contents are relevant to my organization.	6.60
B.5.2. APNIC's current level of engagement with governments in the Asia Pacific region is fine.	6.61
B.4.2. I am satisfied with the cost of APNIC training.	6.70
A.2.7. APNIC should provide consultancy services specific to individual Member's needs on a user-pays basis.	6.84
B.1.2.2. The remote participation options (video and audio streams, live session transcripts, chat rooms and archived media) at APNIC Meetings are easy to use.	6.93
A.3.2. The APNIC fee structure is reasonable and justified.	6.97

Next Meeting – APNIC 33

27 February - 2 March 2012,
New Delhi, India



Following Meetings

- APNIC 34, TBD
- APNIC 35, 20 February – 1 March 2013, Singapore (with APRICOT)



APNIC

Asia Pacific Network Information Centre

Thank you!

