

APNIC Update

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Member Briefing, Dhaka 25 May 2013

Overview

- Membership support
- Resources delegation
- IPv4 transfer support
- APNIC Training
- IPv6@APNIC
- Information Society Innovation Fund (ISIF)
- APNIC Conferences

APNIC's Vision

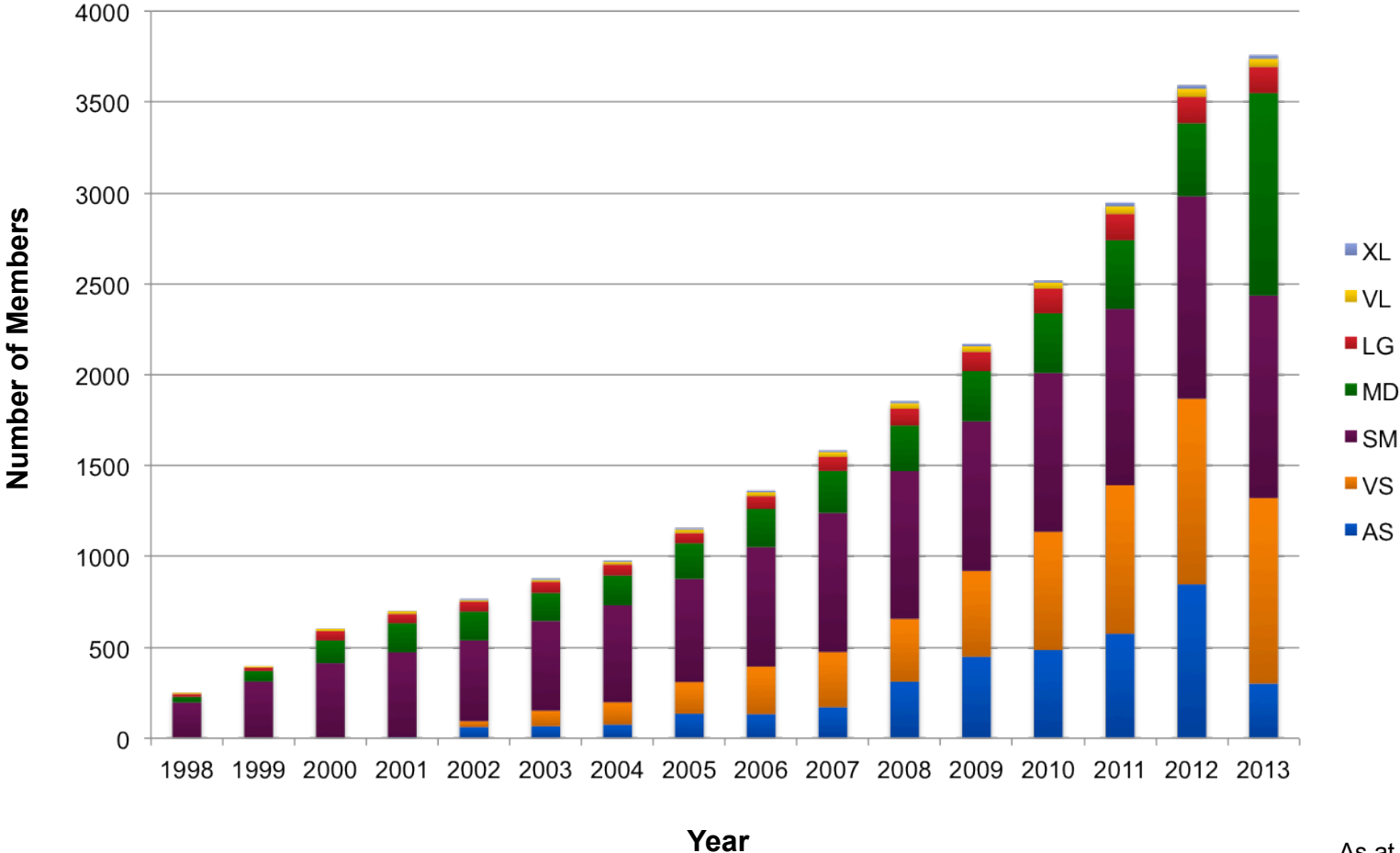
A global, open, stable, and secure Internet that serves the entire Asia Pacific community.

How APNIC achieves this?

- Serving Members
- Supporting the Asia Pacific region
- Collaborating with the Internet community

Membership Support

Membership Growth



As at 30 April 2013

MyAPNIC

- Secure online website for Members

www.apnic.net/myapnic

- You can use it to manage your resources
 - Whois registration (customer assignments, IRTs, maintainers, etc)
 - Reverse delegation (domain objects)
 - DNSSEC (domain objects)
- You can use it to manage your contacts
 - Organization address
 - Emails
 - Authorized staff contacts, for example, billing or technical
- We welcome your feedback

www.helpdesk@apnic.net

Member Services Helpdesk

- Available Monday to Friday, 09:00 – 21:00 (UTC +10)
- Prioritized services for APNIC Members
- Please mention your account name in all correspondence to APNIC

- Email contact

helpdesk@apnic.net

- Phone contact

+61 7 3858 3188

- Online chat

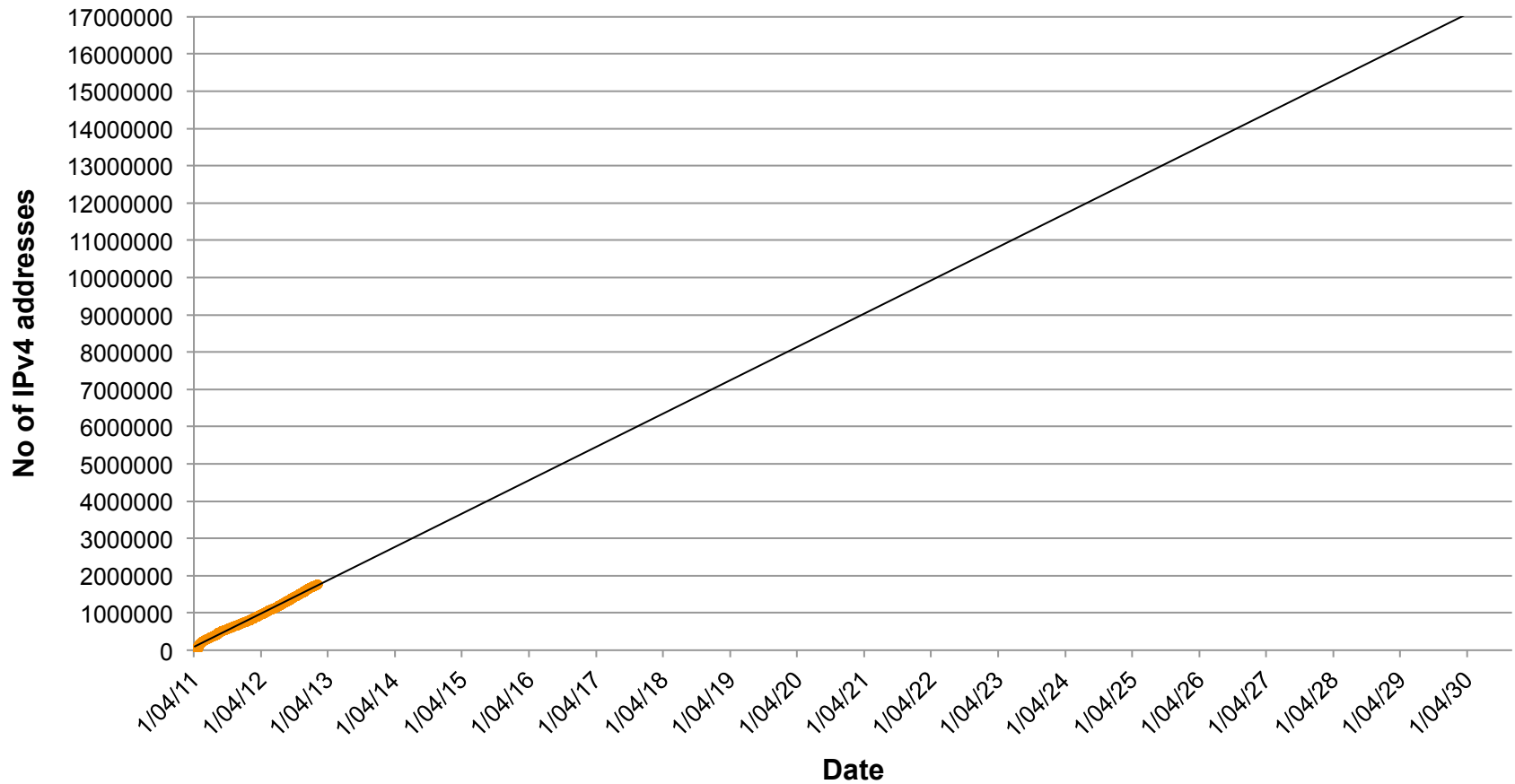
www.apnic.net/helpdesk

Resources Delegation

Final /8 IPv4 Delegations

- Still need to meet the final /8 policy criteria
- Minimum /24 and up to a maximum /22 per account
- Not enough IPv4 for your customers?
 - Recommend to your customers to approach APNIC for IPv4 delegations
 - Consider an IPv4 transfer
 - Deploy IPv6

IPv4 Last /8 Delegation Trend



IPv4 Transfer Support

IPv4 Transfer Services

- Transfers between APNIC account holders
 - Resources must be held in APNIC accounts
 - Recipient accounts must demonstrate the need to receive the transfer
- Inter-RIR transfers
 - Currently between the ARIN and APNIC regions
 - Must meet relevant policy criteria
 - Source initiates the transfer via the respective RIR
- Minimum transfer size: /24
- IPv4 transfer fee applies
 - A 20% transfer fee is charged according to the size of the block that is being transferred
 - Payable by the recipient, or by the source if transferred out of the APNIC region

IPv4 Transfer Services

- Pre-approval service, with opt-in anonymous listing
- Broker listing; four registered so far
www.apnic.net/transfer-brokers
- Mailing list to enable the source and recipients of IPv4 address transfers and IPv4 brokers to discuss topics relevant to transfers
apnic-transfers@apnic.net
- Public transfer log
<ftp://ftp.apnic.net/public/transfers/apnic>

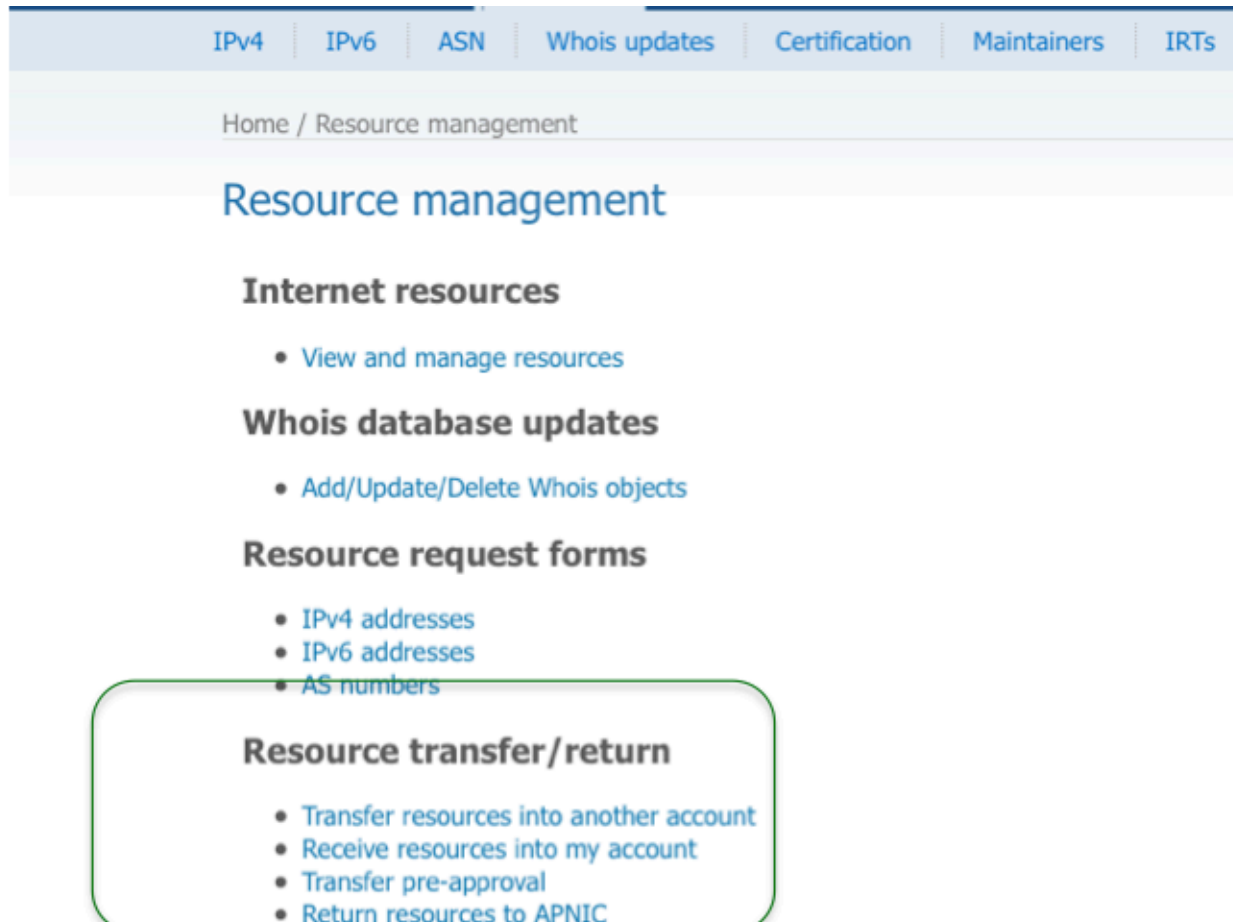
Inter-RIR Transfers

- Completed transfers: eight from ARIN to APNIC (Nov 2012 – April 2013)
- Transfer time (including evaluation): one – two weeks
- Successfully transferred live network
 - ARIN-managed resources transferred into the AP region, to be managed by APNIC
- ARIN and APNIC stats overlap one day after the transfer due to the time zone difference

IPv4 Pre-Approval Service

- Get your need for more IPv4 approved before you locate your source of transfer
 - Lodge the form via MyAPNIC
 - Once approved, it is valid for 24 months
- Advantage: the recipient does not need to provide transfer justification again, once the transfer source is located and the transfer size is approved

MyAPNIC - IPv4 Transfers



The screenshot shows the MyAPNIC website interface. At the top, there is a navigation bar with links for IPv4, IPv6, ASN, Whois updates, Certification, Maintainers, and IRTs. Below this is a breadcrumb trail: Home / Resource management. The main heading is "Resource management". Underneath, there are several sections:

- Internet resources**
 - [View and manage resources](#)
- Whois database updates**
 - [Add/Update/Delete Whois objects](#)
- Resource request forms**
 - [IPv4 addresses](#)
 - [IPv6 addresses](#)
 - [AS numbers](#)
- Resource transfer/return**
 - [Transfer resources into another account](#)
 - [Receive resources into my account](#)
 - [Transfer pre-approval](#)
 - [Return resources to APNIC](#)

The "Resource transfer/return" section is highlighted with a green rounded rectangle.

MyAPNIC - IPv4 Pre-approval

Home Resources Administration Training Tools

IPv4 IPv6 ASN Whois updates Maintainers IRTs Correspondence Sub-accounts

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

IPv4 Listing Service

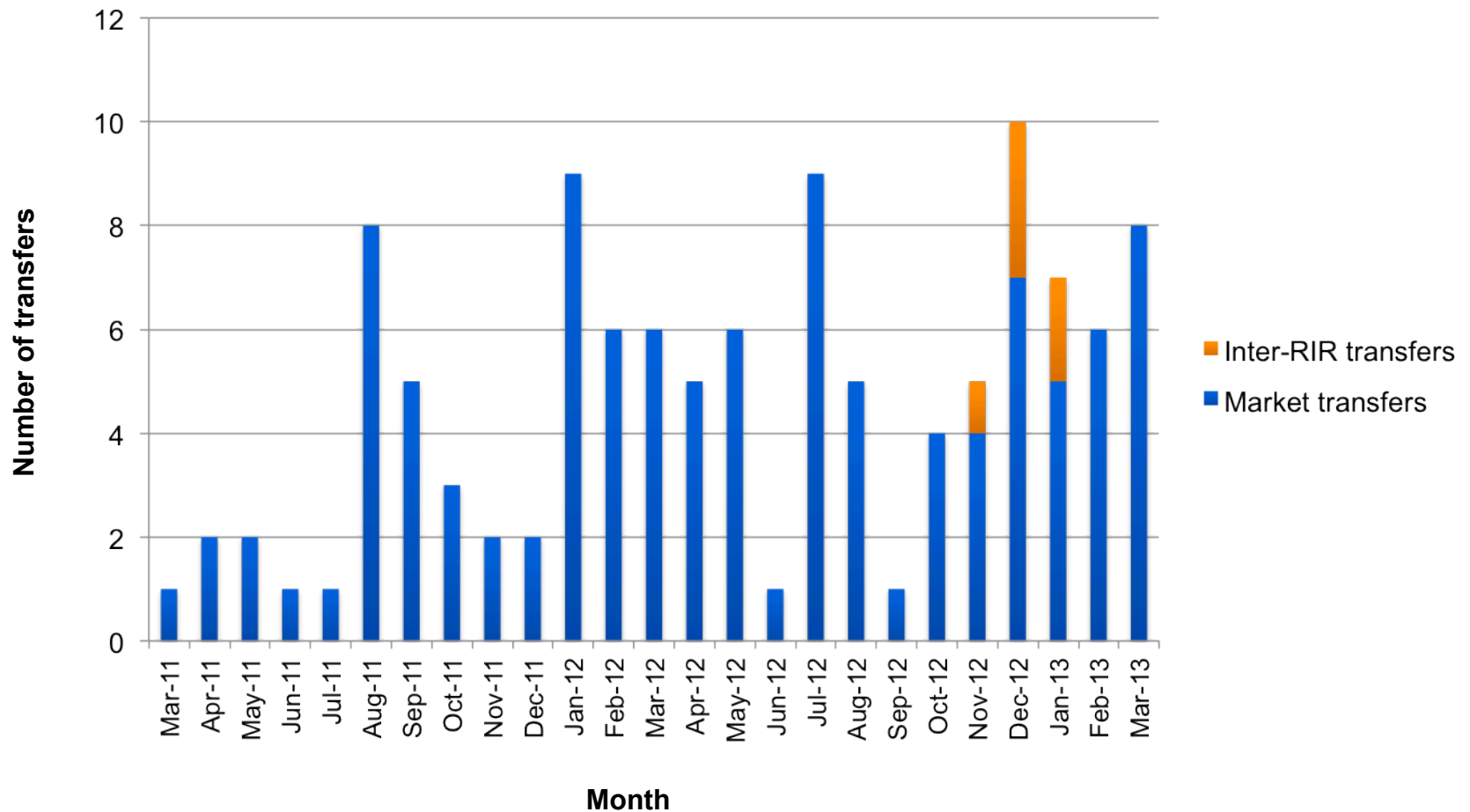
- Allows the approved need for IPv4 transfers to be listed on APNIC's website
 - Opt-in anonymous listing of pre-approvals
 - Prefix sizes are listed
- Allows the holders of unused IPv4 to initiate contact via APNIC
 - APNIC sends the contacts details of the holders to Members

www.apnic.net/transfer

Listing Service Table

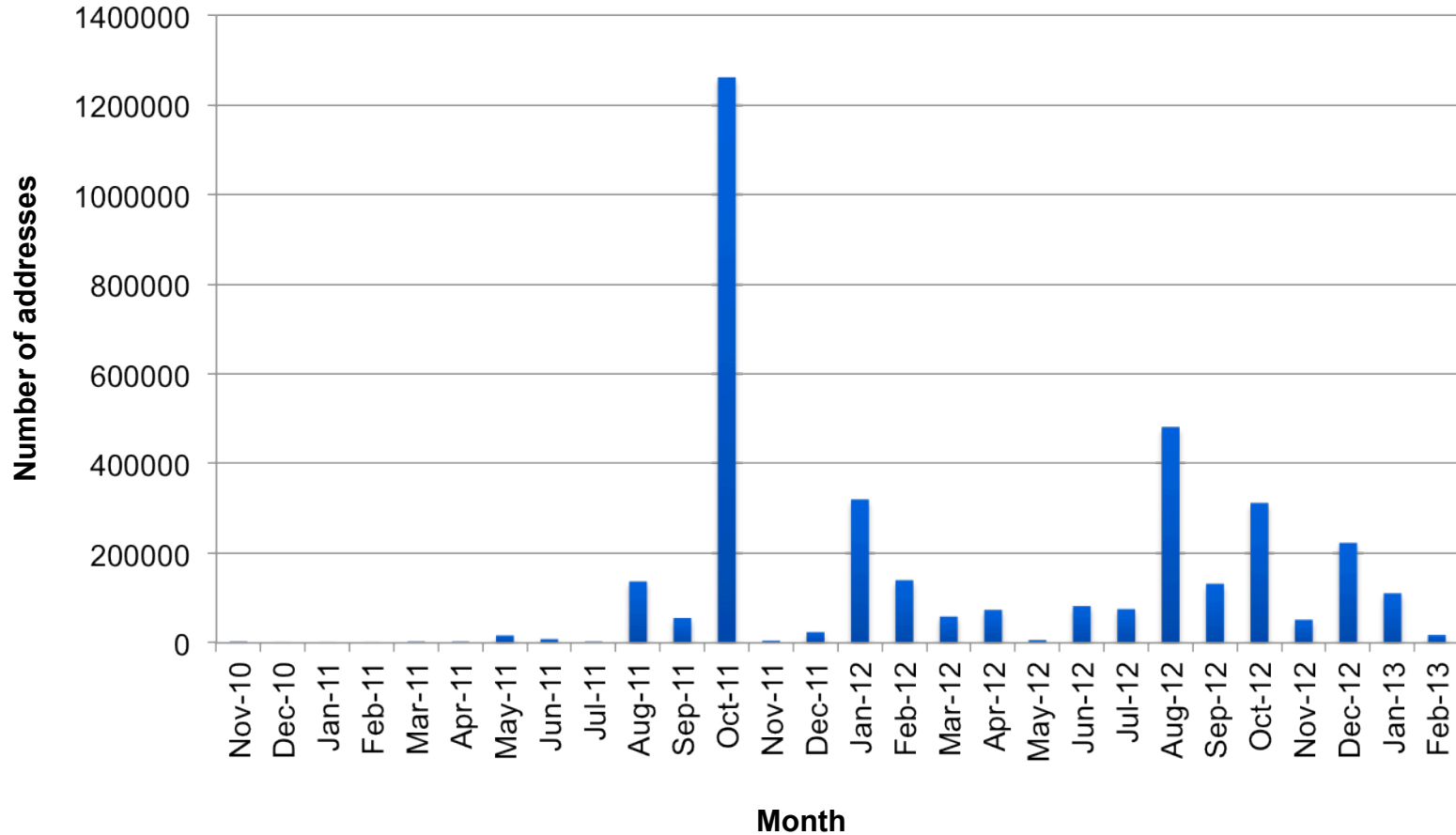
Pre-approval ID	Pre-approved Size	Economy	Expire Date	Contact
2	/17	IN	28 Aug 2013	Contact
3	/20	IN	11 Sep 2013	Contact
4	/21	AU	18 Sep 2013	Contact
5	/16	JP	25 Sep 2013	Contact
7	/20	MY	3 Oct 2013	Contact
8	/16	IN	4 Oct 2013	Contact
9	/20	IN	12 Oct 2013	Contact
10	/20	AU	24 Oct 2013	Contact
11	/19	AU	5 Nov 2013	Contact
13	/18+/19	IN	22 Nov 2013	Contact
14	/21	SG	29 Nov 2013	Contact
15	/22	LA	10 Dec 2013	Contact
17	/18	IN	17 Dec 2013	Contact
18	/16	MY	20 Dec 2013	Contact
20	/20	MY	18 Jan 2014	Contact

IPv4 Market Transfers



As at 30 April 2013

IPv4 Market Transfer Size



As at 30 April 2013

APNIC Training

Training

- New training website

training.apnic.net

- View the updated training schedule
- Increased focus on IPv6 deployment, for example, IPv4 to IPv6 transition technology; IPv6 workshop

- eLearning

- One-hour modules
- Delivered weekly in three time zones
- First Wednesday of every month: IPv6 eLearning day

training.apnic.net/elearning

Training

- Face-to-Face
 - Extensive hand-on exercises
 - Remote Training Lab to enable participants to build and configure networks
 - Lab upgraded in 2011 to resemble the topology of an ISP with multiple operation regions
- Partnerships
 - The APNIC Training Team collaborates with several partners in developing and sharing course material, and hosting or sponsoring events.

IPv6@APNIC

IPv6@ APNIC

- One-click IPv6
 - All Members with IPv4 can get IPv6 immediately without submitting an application
- Kickstart IPv6
 - Streamlined process for potential Members to receive IPv6 immediately
- IPv6 training and education
 - eLearning and workshop
- Monitoring IPv6 deployment
 - APNIC Labs

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 by economy
 - Readiness data at end-user level for various intergovernmental organizations and economies
- IPv6 preference by AS Number
 - Measures IPv6 client capability by autonomous system
- IPv4 address report
 - Measuring IPv4 free pool address exhaustion

www.labs.apnic.net

www.blabs.apnic.net

APNIC Policies 2013

APNIC Policies in 2013

- Reached consensus at APNIC 34
 - prop-101: Removing multihoming requirement for IPv6 portable assignments
 - Prop-104: Clarifying demonstrated needs requirement in IPv4 transfer policy
 - Both implemented in February 2013
- Outcome at APNIC 35
 - prop-106 : Restricting excessive IPv4 address transfers under the final /8 block (Abandoned)
 - prop-105 : Distribution of returned IPv4 address (Modification of prop-088) (Returned to author for further development)
- Get engaged and involved
 - Subscribe to the APNIC policy mailing list

www.apnic.net/policy

Information Society Innovation Fund (ISIF)

ISIF

- A grants program aimed at stimulating creative solutions to ICT development needs in the Asia Pacific region
- Member of the Seed Alliance for Internet Development and digital innovation with Frida (Lacnic) and Fire (AFRINIC)
- Objectives:
 - Encourage innovative approaches to the extension of Internet infrastructure and services in the Asia Pacific region
 - Foster innovation and creative solutions to development problems by supporting new and creative uses of ICT applications
- Financial support for up to AUD 30,000 is allocated
- Call for applications will be announced shortly
- ISIF Asia Awards (AUD 3,000 support) open until 24 May!

www.isif.asia/faq

APNIC Conferences

Upcoming Conferences

- APNIC 36: Xi-an, China
 - 20 to 30 August 2013
 - Workshops and Conference
 - Celebrating APNIC's 20th anniversary

conference.apnic.net/36



- APRICOT 2014 Bangkok, Thailand
 - 18 to 28 February 2014 (includes APNIC 37)

Remote Participation at Conferences

- Live low- and high-bandwidth video/audio tools
- Live transcript
- Live presentations
- You can contribute by asking questions or making comments – “chat” option
- Access archives – slides, video, transcript

Questions?

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