

APNIC Update 2014

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APNIC

Issue Date: [31 March 2014]

Revision: [1]



Overview

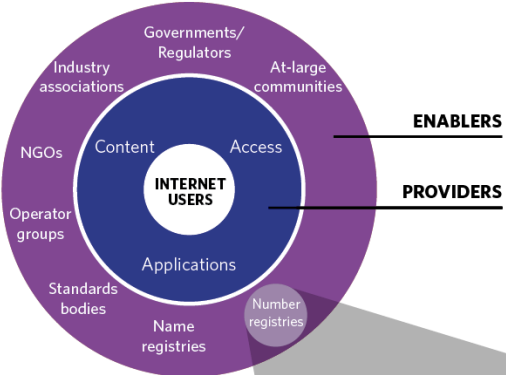
Serving APNIC Members

Supporting Internet development
in the Asia Pacific region

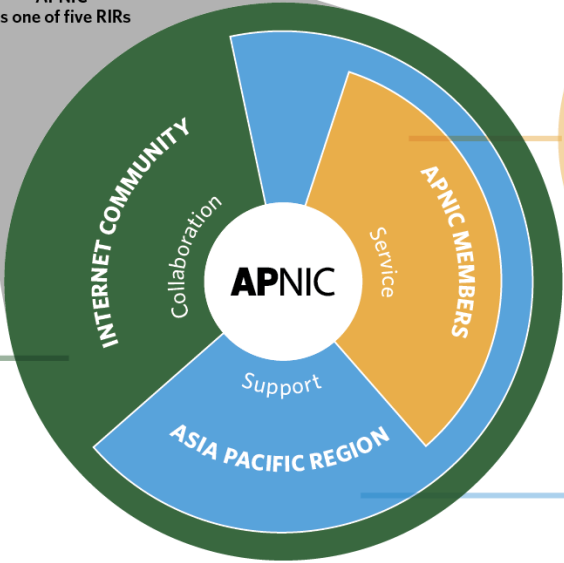
Collaborating with the Internet
community

APNIC's Vision:
*“A global, open,
stable, and
secure Internet
that serves the
entire Asia Pacific
community”*

APNIC in the Internet ecosystem



APNIC is one of five RIRs



APNIC's Mission

- **Function as the RIR** for the Asia Pacific, in the **service** of the community of Members and others
- Provide Internet registry services to the highest possible standards of **trust, neutrality, and accuracy**
- Provide **information, training, and supporting services** to assist the community in building and managing the Internet
- Support **critical Internet infrastructure** to assist in creating and maintaining a robust Internet environment
- Provide **leadership and advocacy** in support of its vision and the community
- Facilitate **regional Internet development** as needed throughout the APNIC community

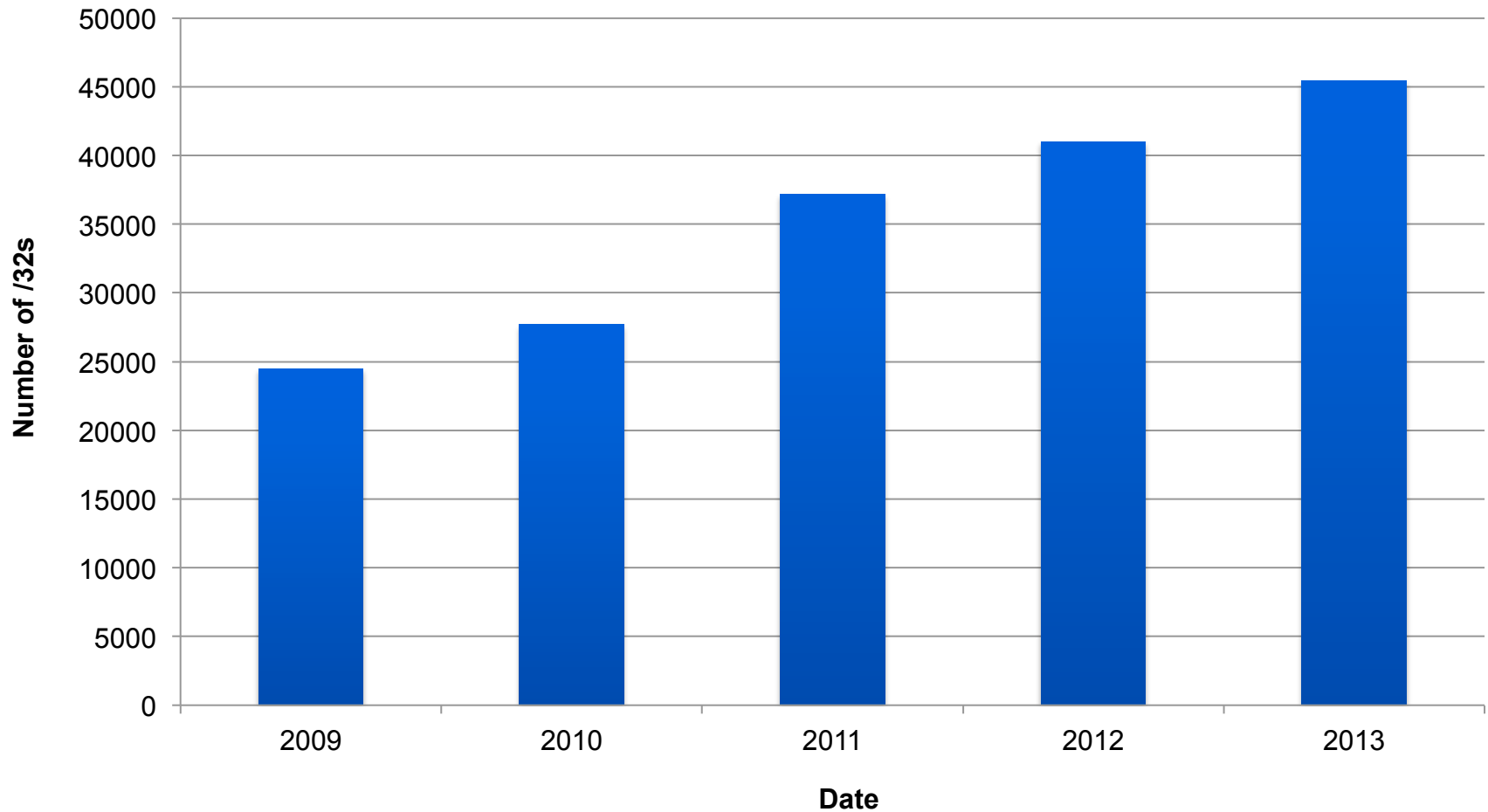
Serving APNIC Members

- IPv6 statistics
- IPv4
 - Last /8 statistics
 - Market transfer statistics
- ASN statistics
- Membership growth
- Services update
 - Whois
 - MyAPNIC updates

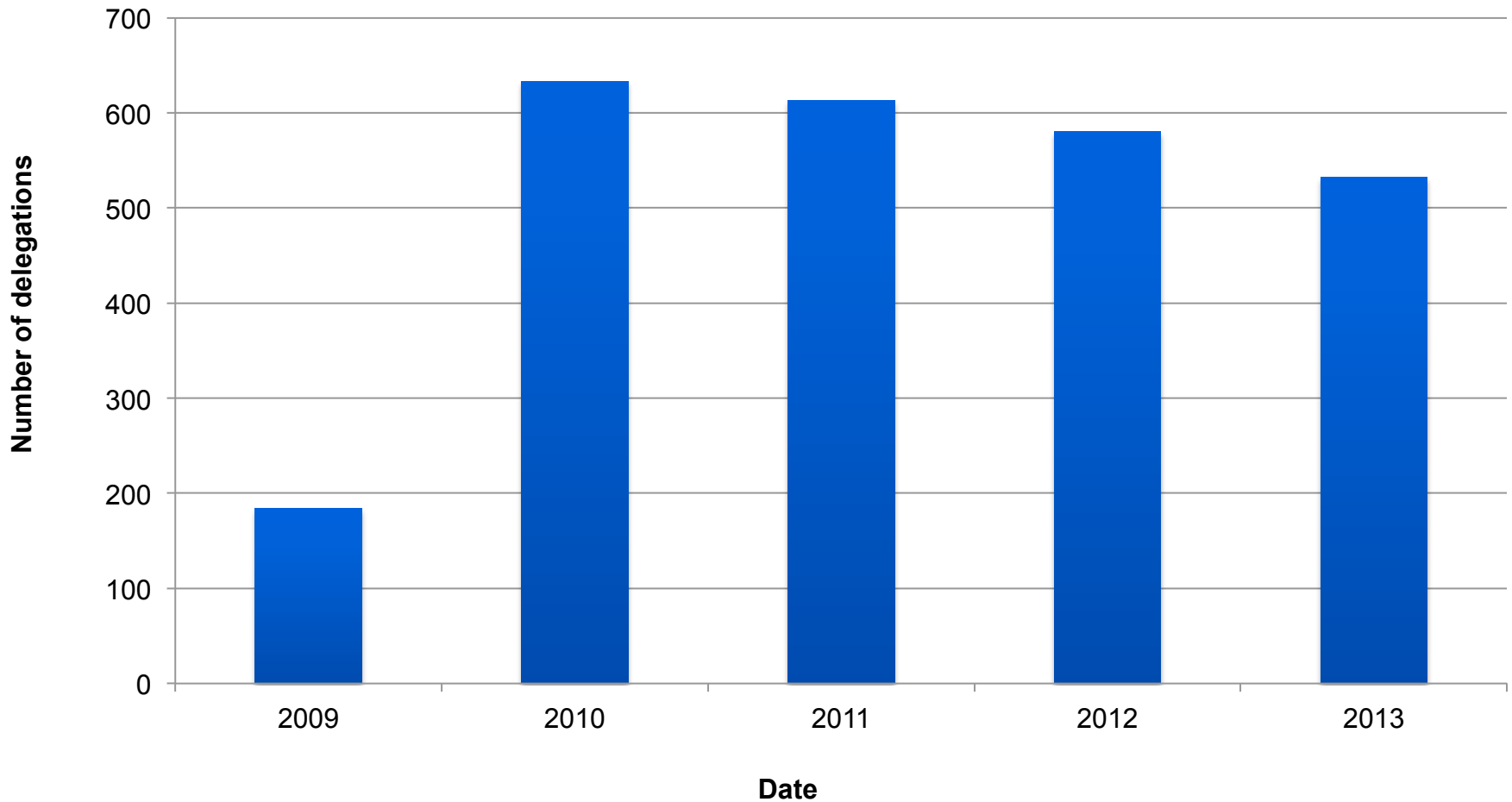
“Function as the RIR for the Asia Pacific, in the service of the community of Members and others”

“Provide Internet registry services to the highest possible standards of trust, neutrality, and accuracy”

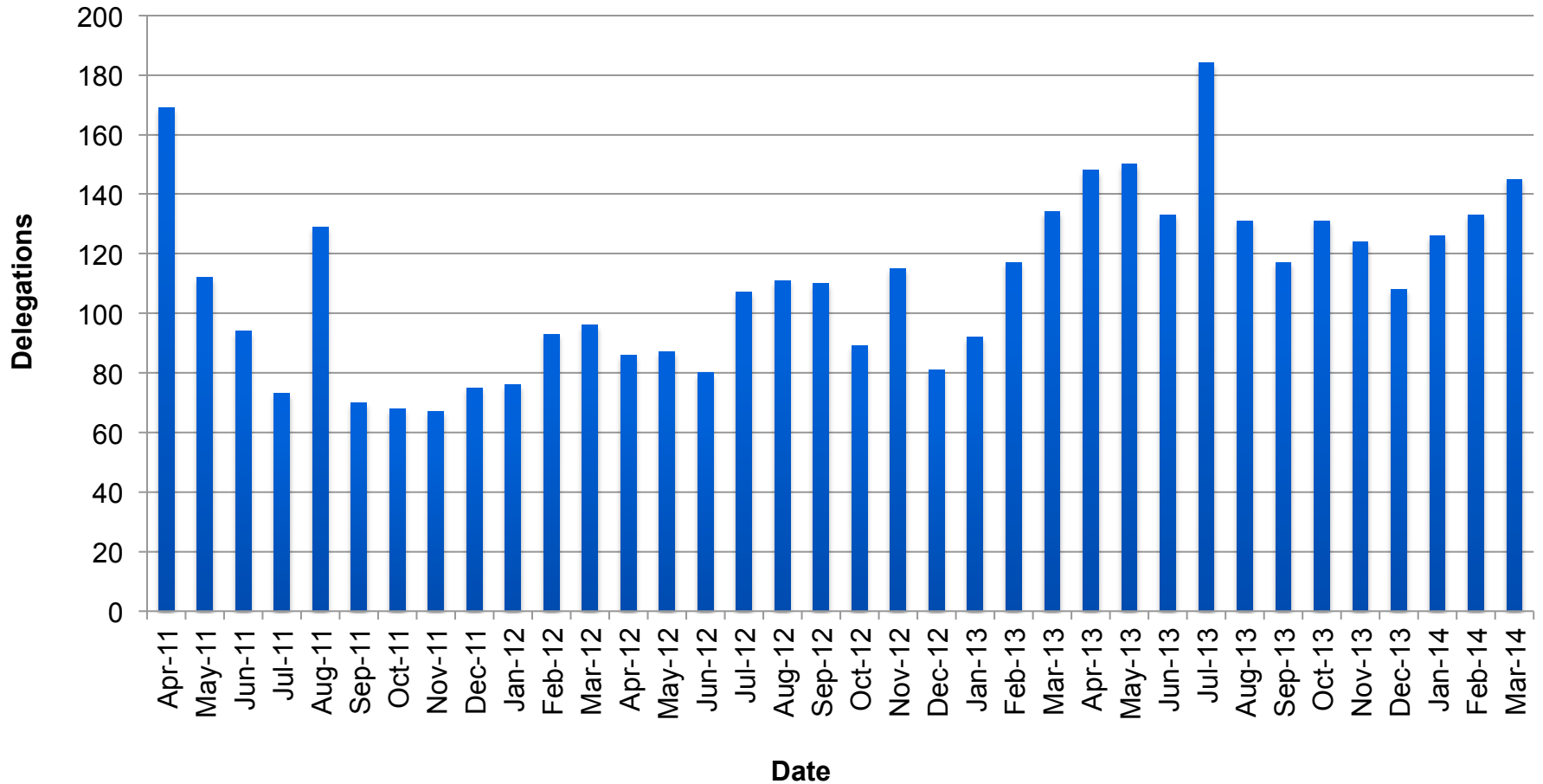
Cumulative IPv6 Delegations (/32s)



IPv6 Delegations by Year

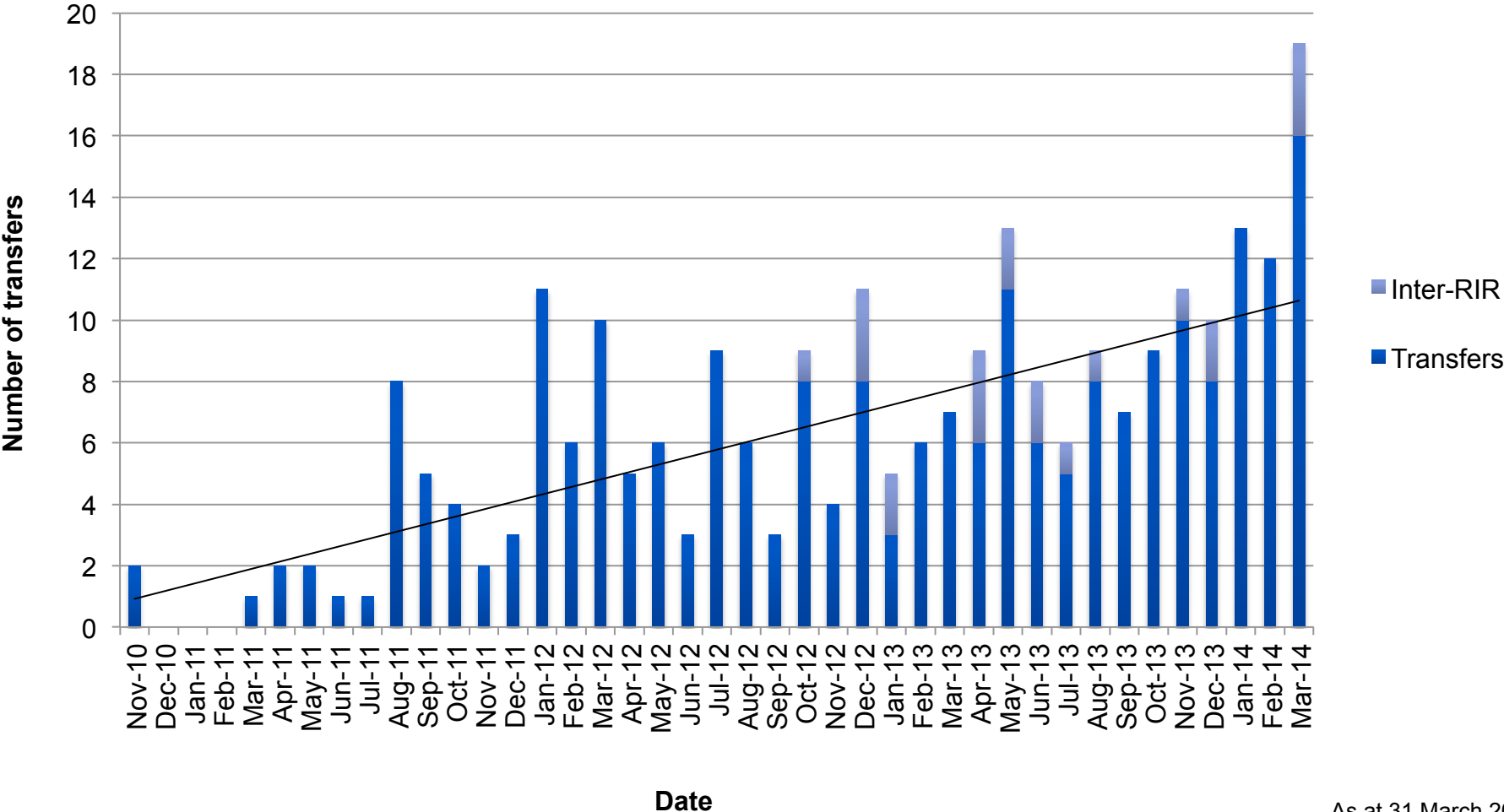


IPv4 Last /8 Delegations



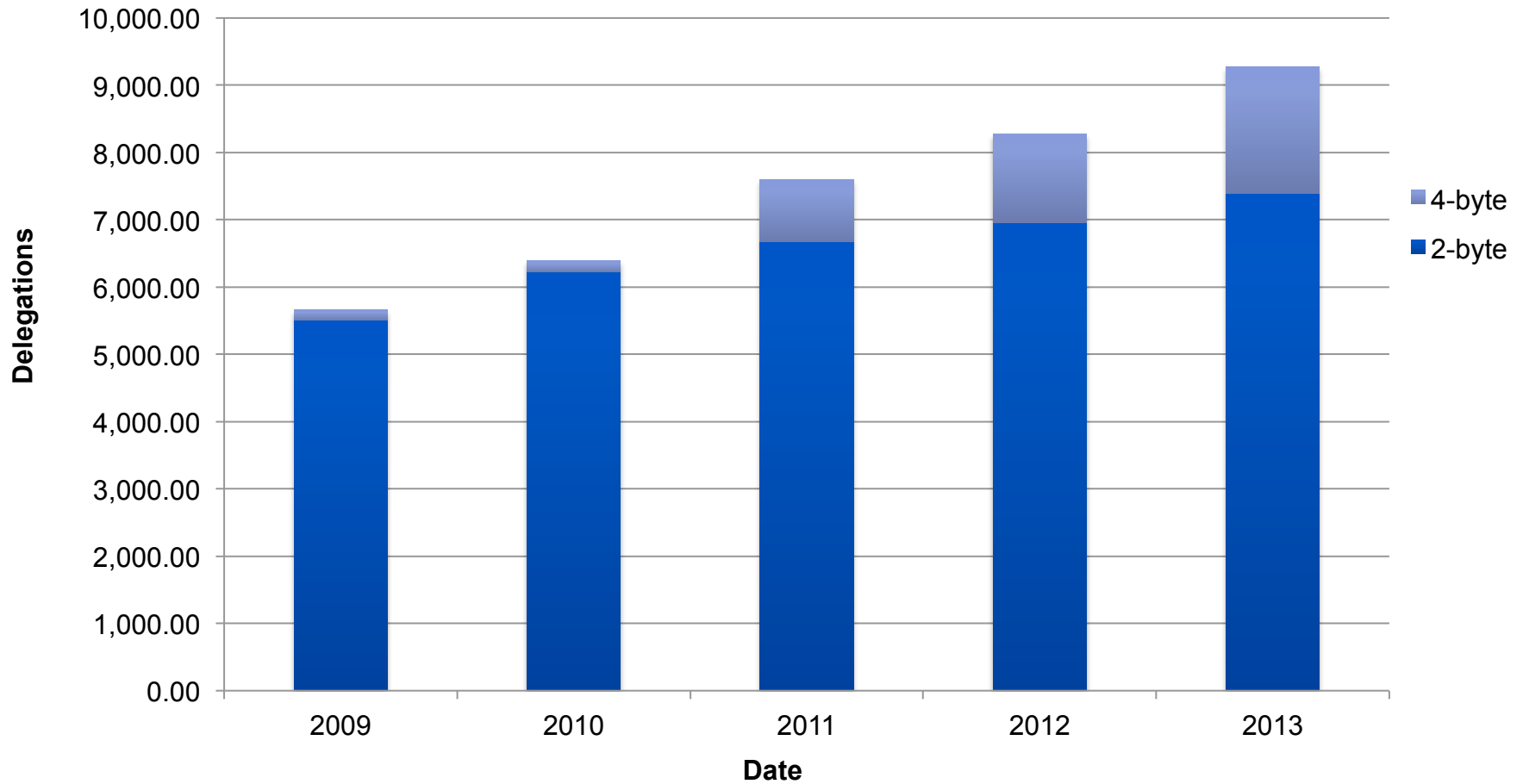
As at 31 March 2014

IPv4 Market Transfers

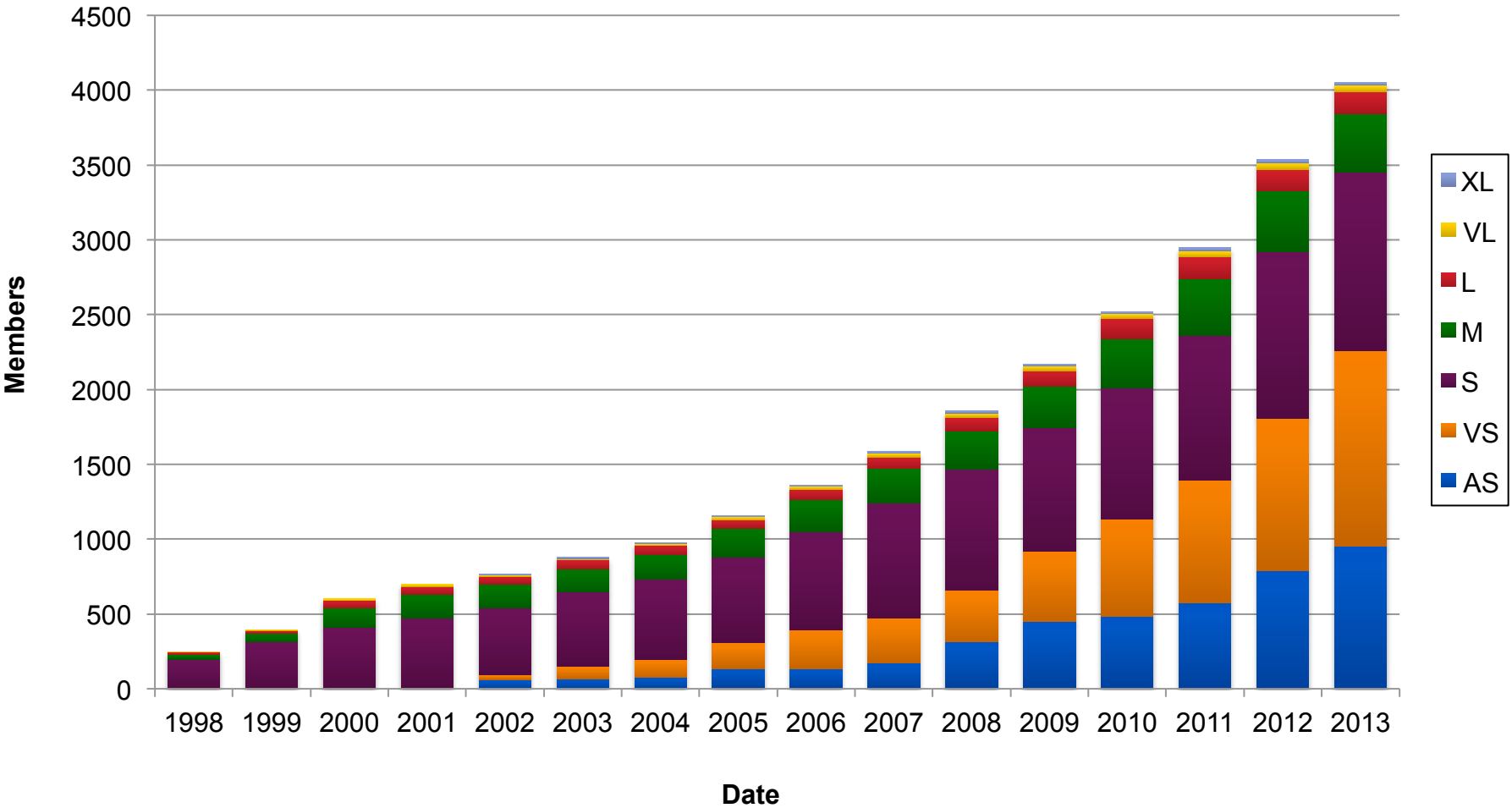


As at 31 March 2014

Cumulative ASN Delegations



Membership Growth



Whois Updates

New features

- 'geoloc' and language attributes
- 'whowas' functionality

RDAP

- WEIRDS
- Pilot service available
- Contribution to RIPE whois server

MyAPNIC Improvements

Referral application

Bulk feature for IRT added

Interface improvements

Supporting Internet Development in the Asia Pacific Region

- Policy development
- IPv6 support
- Training
- APNIC Events
- Infrastructure capacity building
- Information Society Innovation Fund (ISIF Asia)

“Provide information, training, and supporting services to assist the community in building and managing the Internet”

“Support critical Internet infrastructure to assist in creating and maintaining a robust Internet environment”

“Facilitate regional Internet development as needed throughout the APNIC community”

Policies in 2013

Implemented

- prop-108: Suggested changes to the APNIC Policy Development Process

Pending Implementation

- prop-107: AS Number transfer policy proposal
- prop-105: Distribution of returned IPv4 address (Modification of prop-088)

Policy Proposals at APNIC 37

- prop-111: Request-based expansion of IPv6 default allocation size
 - Proposal did not reach consensus at the Policy SIG and was returned to the author for further development
- prop-110: Designate 1.2.3.0/24 as Anycast to support DNS Infrastructure
 - The proposal reached consensus at the Policy SIG, but failed to reach consensus at the AMM
 - Returned to mailing list for further consideration
- prop-109: Allocate 1.0.0.0/24 and 1.1.1.0/24 to APNIC Labs as Research Prefixes
 - The proposal reached consensus at the Policy SIG and again at the AMM
 - Sent to the mailing list for a further four-week comment period

IPv6 Support

Outreach

- ASEAN ICT SMEs Conference, Hanoi
- IPv6 Event by ISOC HK, Hong Kong
- ICANN 49, IPv6 Roundtable, Singapore
- Global IPv6 and Next Generation Summit 2014, Beijing
- APEC TEL 49

APIIPv6TF

- Asia Pacific IPv6 Task Force
- APNIC continues to provide Secretariat services
- Met at APNIC 36 and APRICOT 2014/APNIC 37

IPv6 for Decision Makers

- White paper published
- www.apnic.net/ipv6-decision-makers

www.apnic.net/ipv6

Training

IPv6

- Continuing focus on IPv6 deployment

Hands-on

- Extensive exercises in virtual and physical training labs

eLearning

- Every Wednesday is IPv6 day; 179 hours training provided

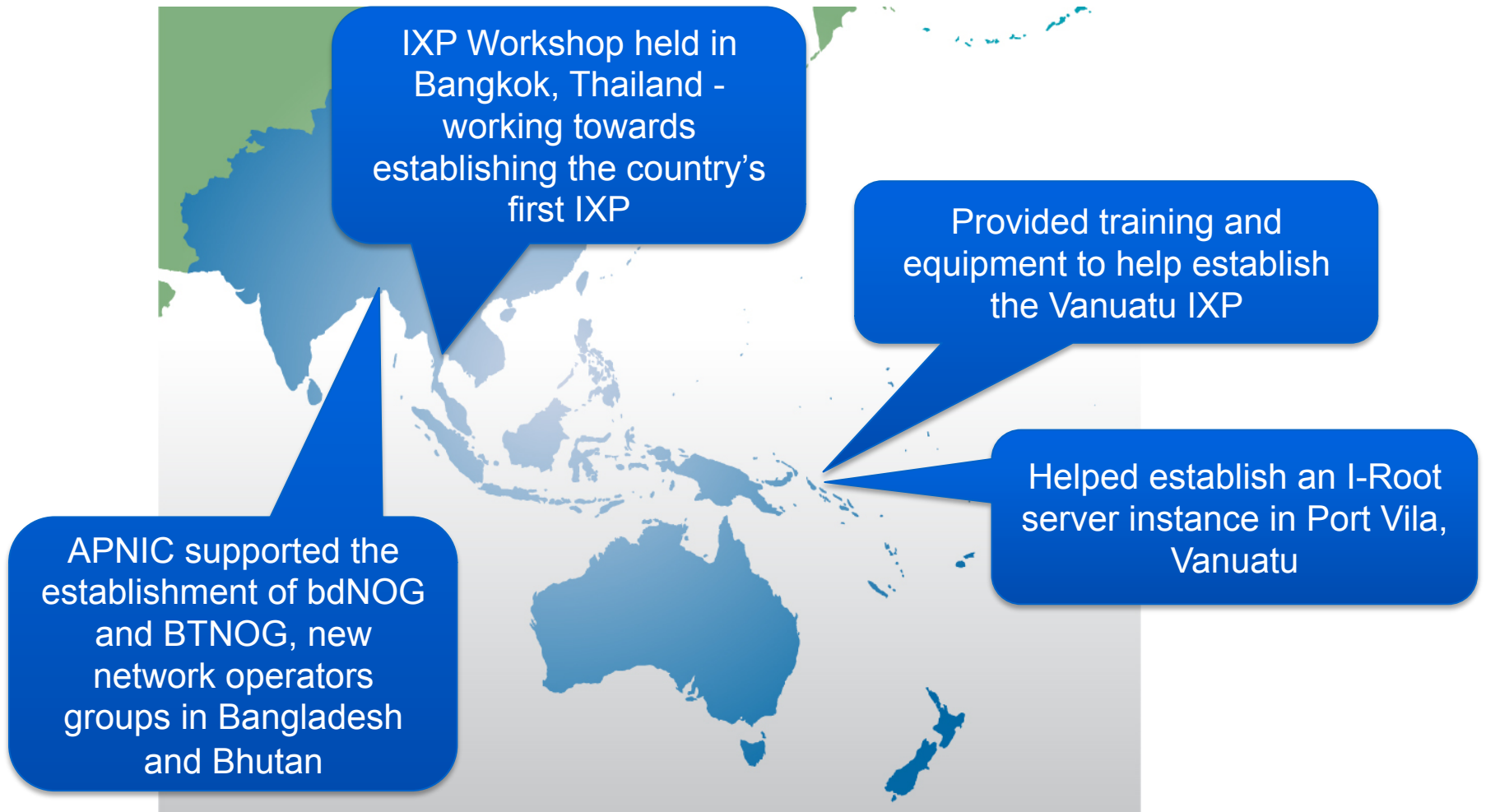


APNIC Events

- APNIC 36: Xi'an, China
 - Total on-site delegates: 251
 - Total remote participants: 409
- APRICOT 2014/APNIC 37: Petaling Jaya, Malaysia
 - Total on-site delegates: 466
 - Total remote participants: 262
- NEW: APNIC Regional Meetings (ARM)
 - Free one-day events
 - ARM 1 with MyNOG 3 in Kuala Lumpur on 29 November 2013
 - ARM 2 - in conjunction with Internet20PH on 4 April 2014 in Manila



Infrastructure Capacity Building



ISIF and Seed Alliance

ISIF Asia

- Small grants and awards
- AUD 1.3m over 3 years (IDRC, Canada)
- So far, AUD 1.2m to 38 projects in 17 economies
- 2014 Call for Grants: 11 projects selected for implementation in 2014

Seed Alliance

- Joint project of ISIF (APNIC), Frida (LACNIC), FIRE (AFRINIC)
- AUD 1.5m over 3 years (Sida, Sweden)

Collaborating with the Internet Community

- APNIC Labs
- Strategic Engagement
- Internet cooperation

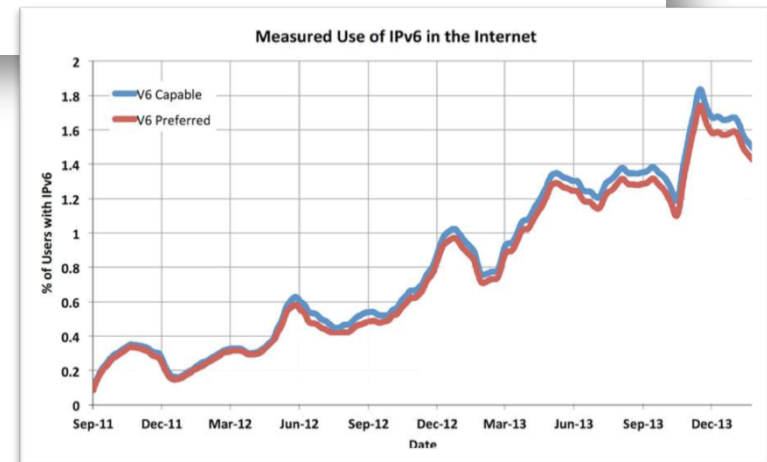
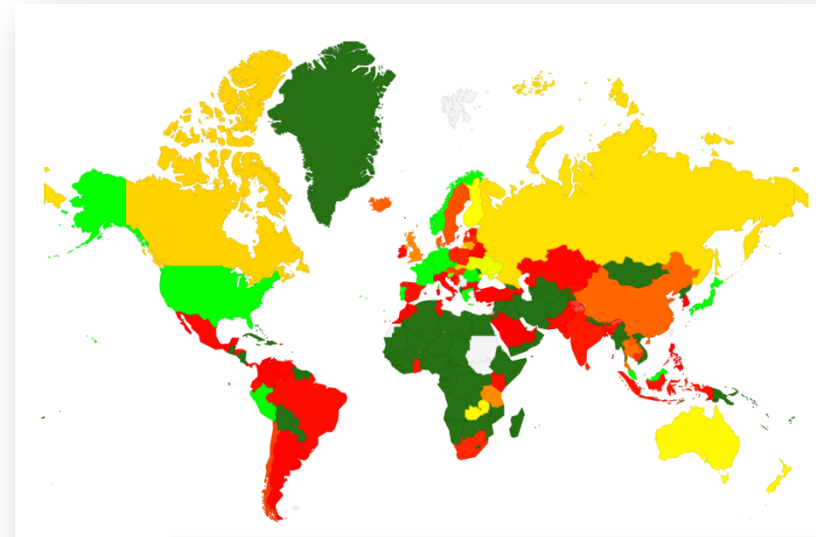
“Provide leadership and advocacy in support of APNIC’s vision and the community”

APNIC Labs

- Measurement activities
 - IPv6 readiness by economy and ISP; IPv6 performance
 - Repurposed IPv6 measurement for DNSSEC validation by economy and ISP
 - Tracking growth of routing table in IPv4 and IPv6
 - RPKI use across the Internet
- Long-term investigation exercise into evolving nature of dark traffic in both IPv4 and IPv6
- Internet number resource reporting and analysis

labs.apnic.net

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Strategic Engagement

Technical community

- NOGs, NIR OPMs, I*, CERTs, ISOC Chapters, PACINET, PICISOC, PTC

Governmental

- APEC-TEL 47 and 48, ITU WTPF, APT, WSIS+10, ITU Connect Asia Pacific Summit, ITU Telecom World 2013

IGF

- National IGFs (Nethui, auIGF), APriIGF
- Bali IGF - significant support given for fundraising and logistics

IANA Oversight Transition

- October 2013: Internet's technical organizations signed Montevideo Statement calling for globalization of ICANN and IANA functions
- January 2014: APNIC EC endorsed statement
- March 2014: US Government announced IANA functions will be transferred to global Internet community
- Open community discussion process on IANA transition underway
- For resources and to join the discussion on the mailing list:

www.apnic.net/ianaxfer



You're Invited!

- APNIC 38: Brisbane, Australia, 9-19 September 2014



- APRICOT 2015: Fukuoka, Japan
 - 24 February to 6 March 2015
 - With APNIC 39 and APAN 39

conference.apnic.net

THANK YOU



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