

IPv4 transfer, what's new?

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Overview

Current IPv4 Delegation practice

IPv4 sourcing strategy in AP

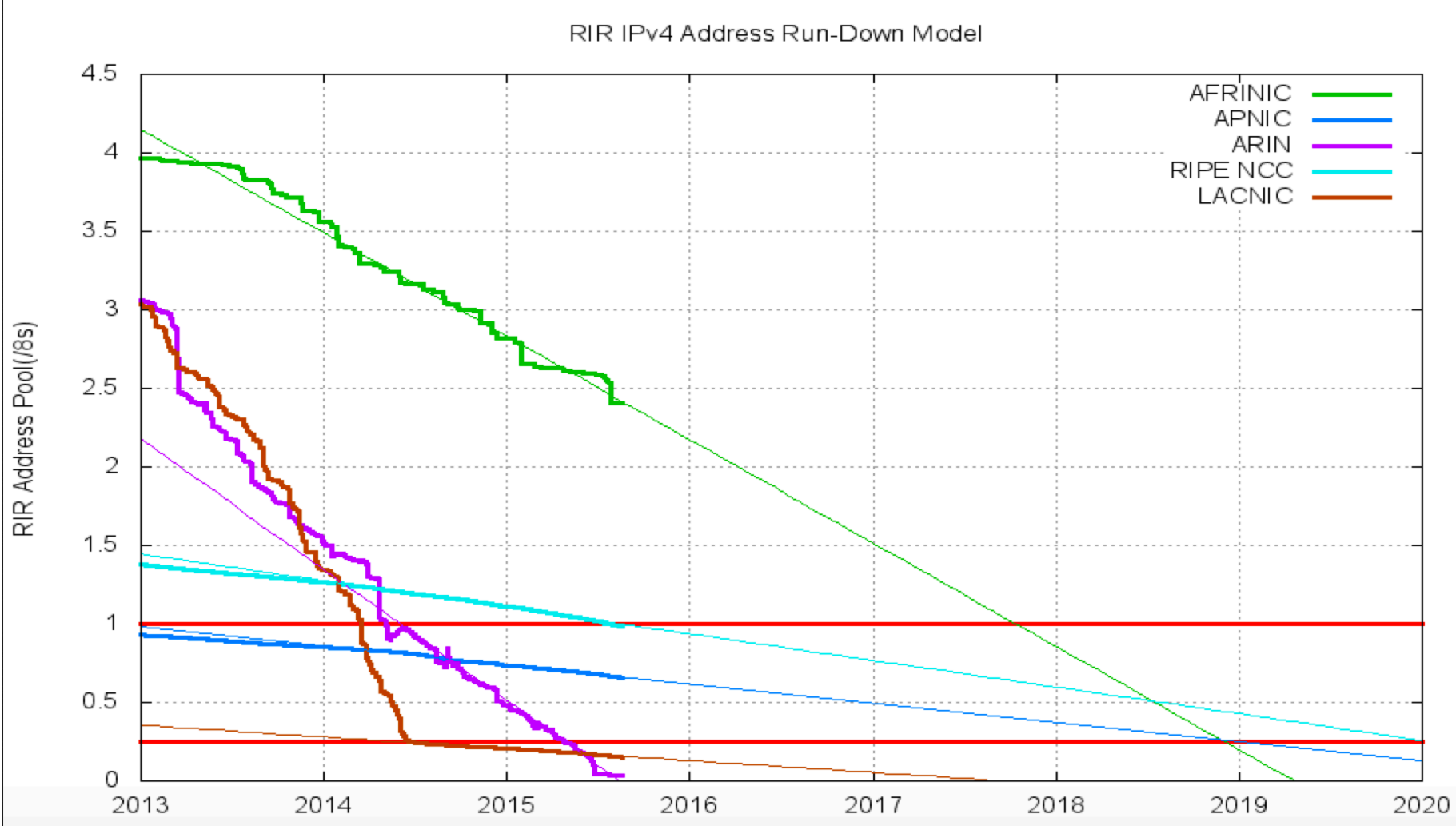
IPv4 transfer trends

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

Current IPv4 Delegation Policy and Practice

- APNIC: Maximum /22 from final /8 (103/8) plus /22 from recovered pool for each Member
- RIPE NCC: Maximum /22 from the final /8 pool for each Member
- ARIN: Unmet requests waitlisted until address availability. Each Member can only have one request in the queue. Current available size is /24 in Aug 2015
- LACNIC: Maximum /22 for each Member every 6 months
- AFRINIC: No change to IPv4 allocations process

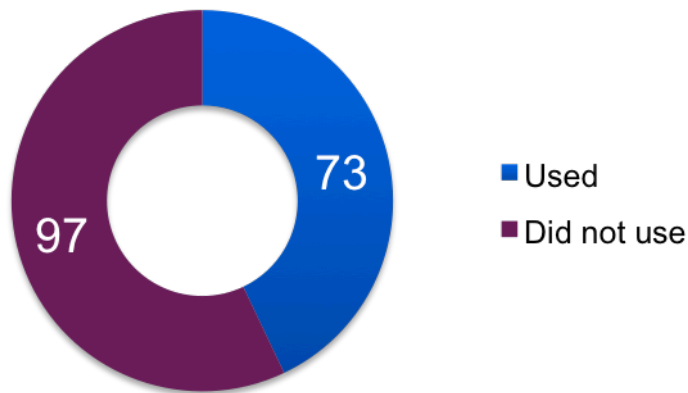
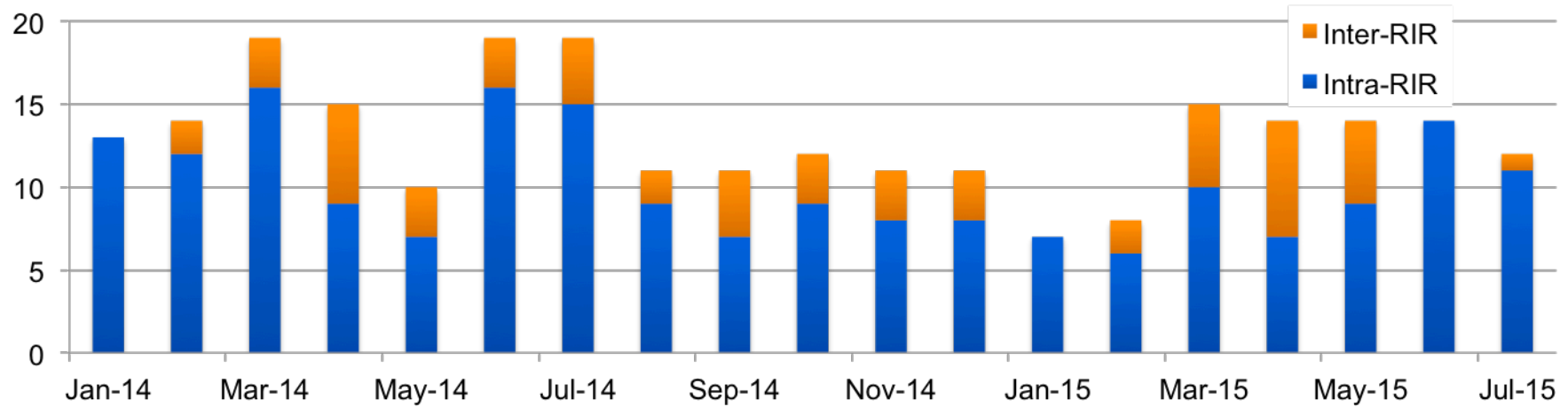
IPv4 Address Exhaustion



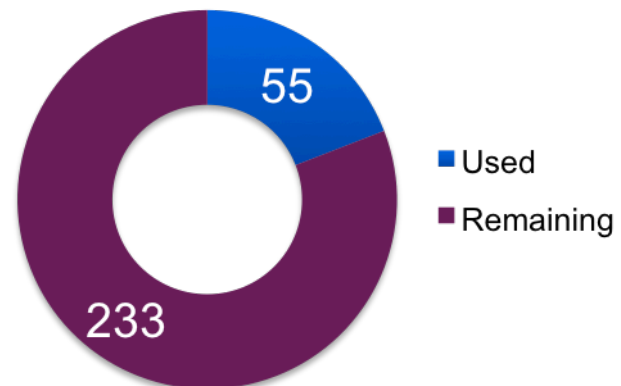
IPv4 address transfer recap

- Transfer is allowed through:
 - Merger & acquisition
 - Needs based market transfer
- Needs based market transfer
 - The recipient (or buyer) must show evidence of need before a transfer can be registered by APNIC
 - Policy designed by the community to prevent hoarding

IPv4 Transfers



Using listing service



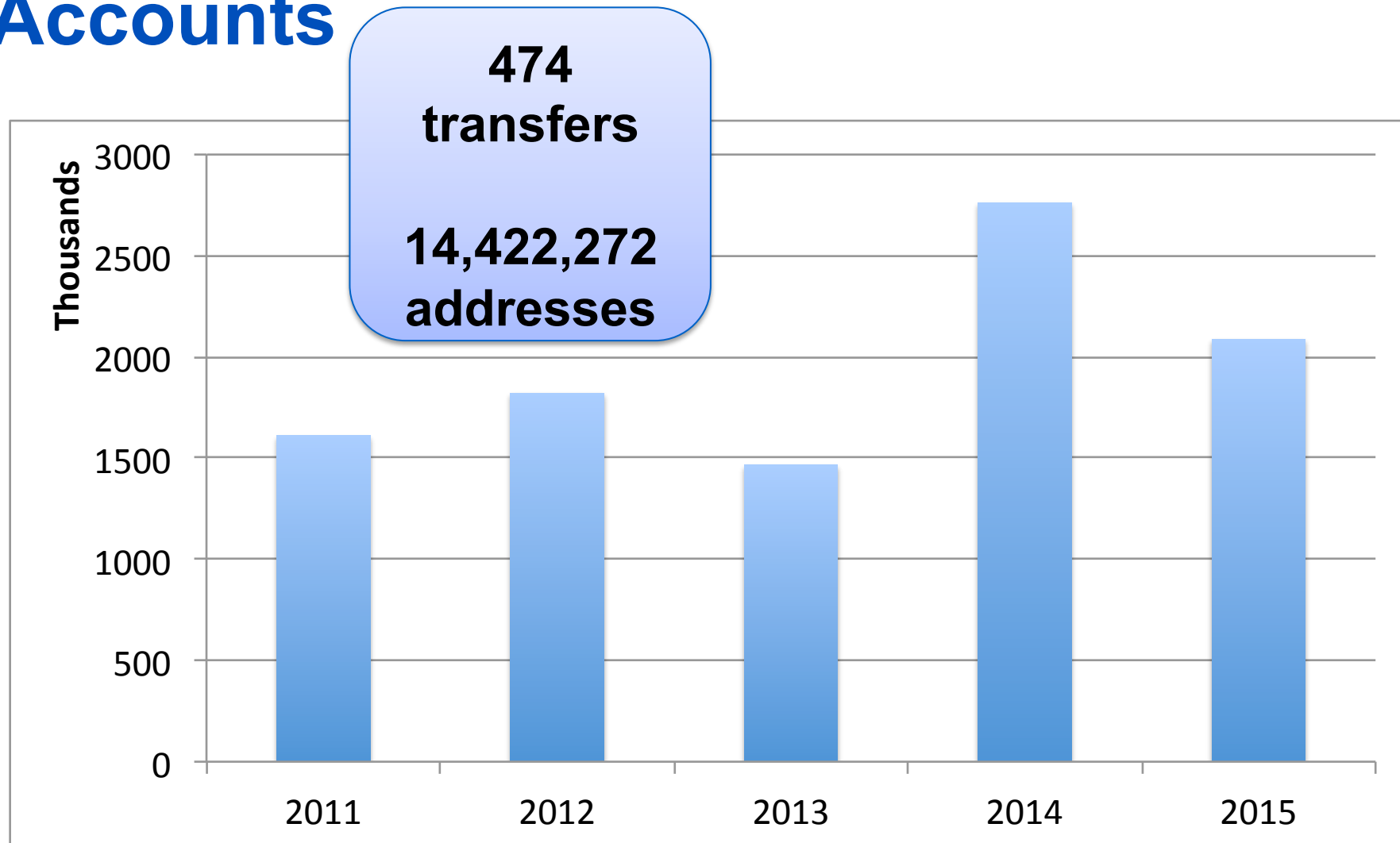
Pre-approval usage

As at 31 July

IPv4 sourcing strategy in AP

- If needing a large number of IPv4 addresses, consider market transfer by following these steps:
 1. Get pre-approval from APNIC
 - List on <https://www.apnic.net/pre-approval-listing>
 2. Find a source (seller or broker)
 - Check apnic-transfer@apnic.net mailing list
 3. Execute the transfer and register it at APNIC
- Have broker contract/agreement with a number of brokers
 - Agreed to comply with APNIC and other RIR policies to help people find address space
 - <http://www.apnic.net/transfer-brokers>

Market Transfers Between APNIC Accounts

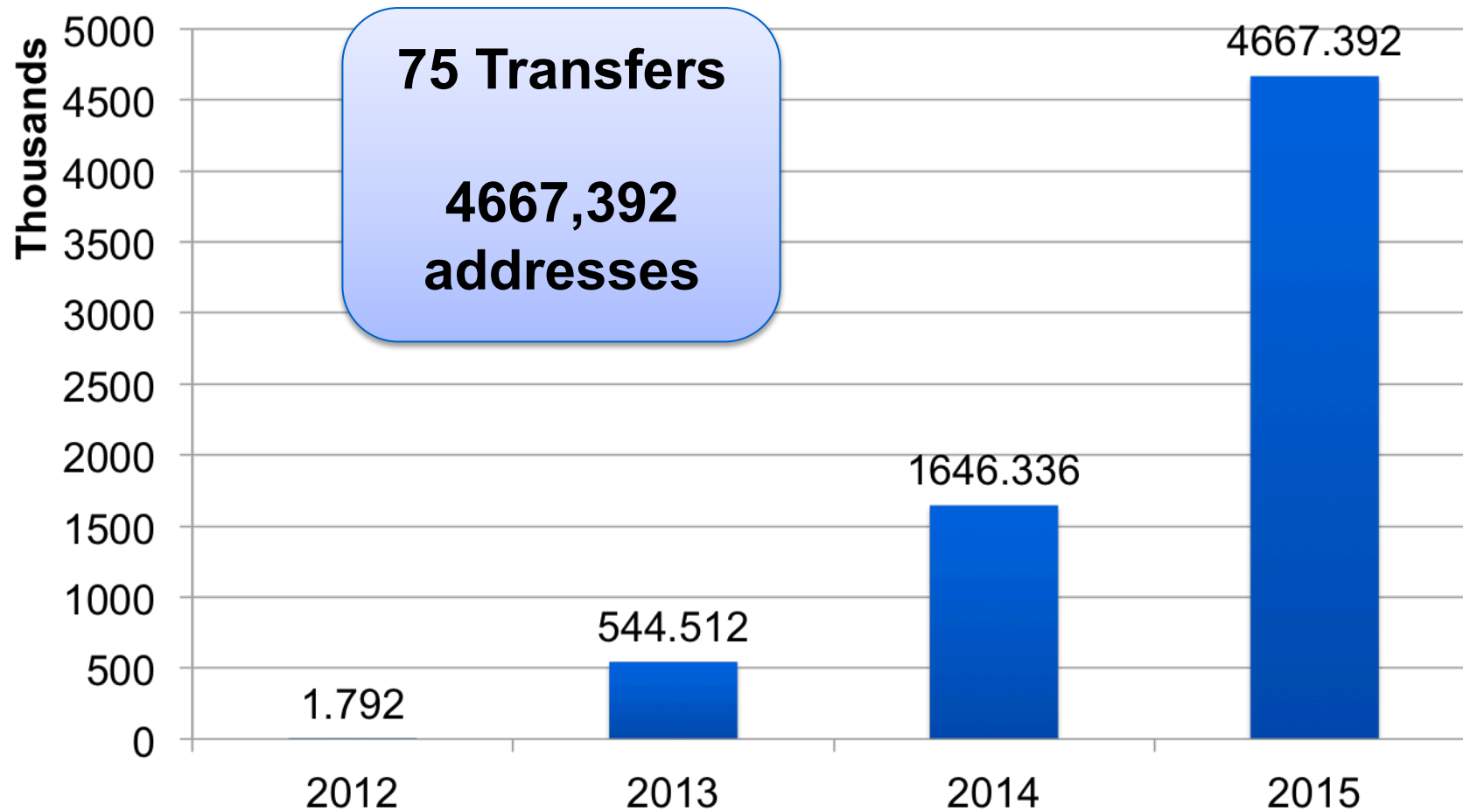


As at 15 August

Which RIR allows IPv4 inter-RIR Transfers?

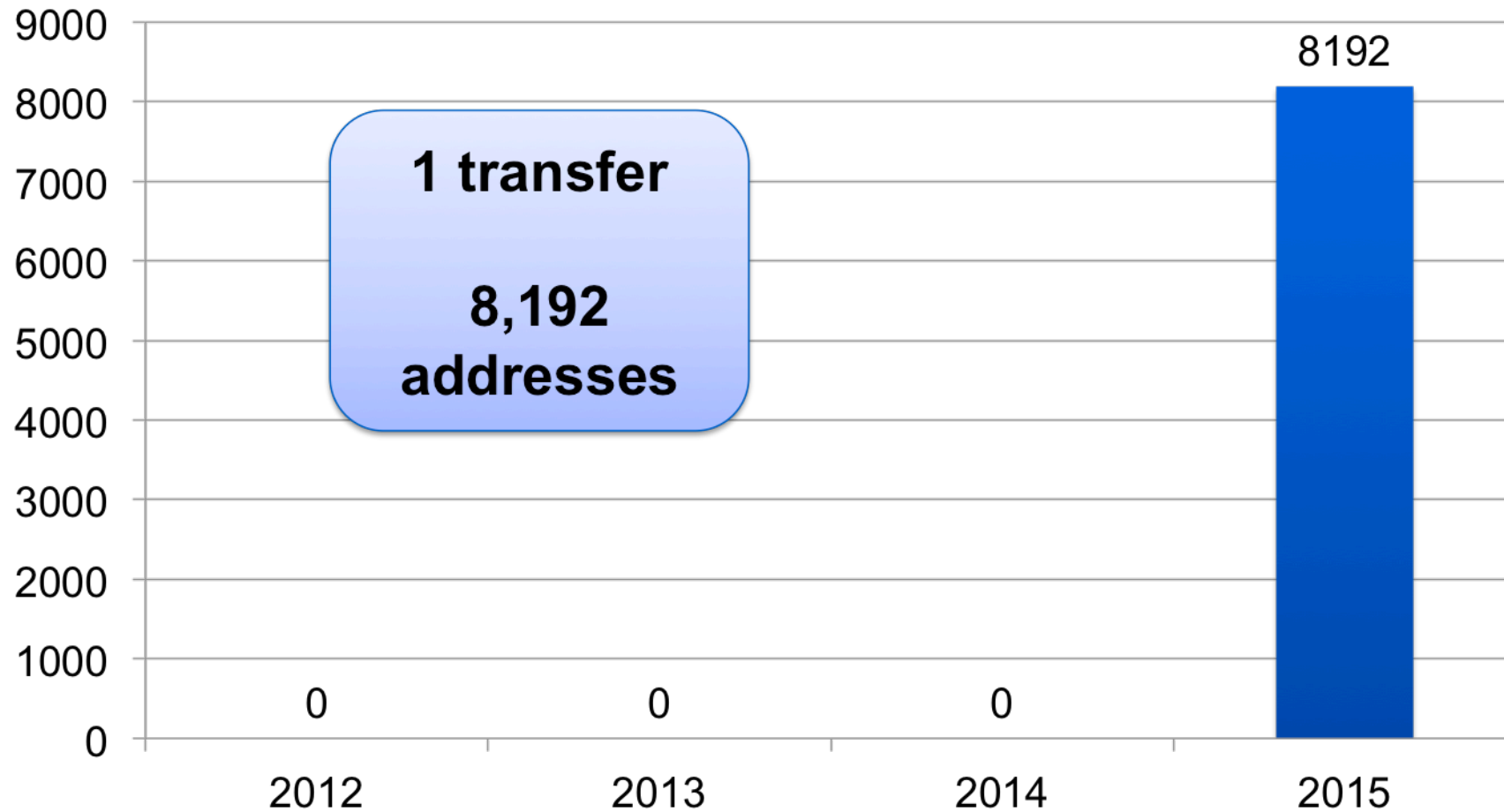
- APNIC and ARIN implemented inter-RIR IPv4 transfer policy
 - Majority of IPv4 transfers from ARIN to APNIC region
 - Only one transfer from APNIC to ARIN region so far
- RIPE NCC will implement inter-RIR IPv4 transfer policy
 - End of August 2015
- LACNIC has a policy proposal to allow incoming inter-RIR transfers under discussion
- AFRINIC has a policy proposal about Out-Of-Region Use of AFRINIC Internet Number Resources under discussion

Inter RIR transfer – From ARIN to APNIC



As at 15 August

Inter RIR transfer – From APNIC to ARIN

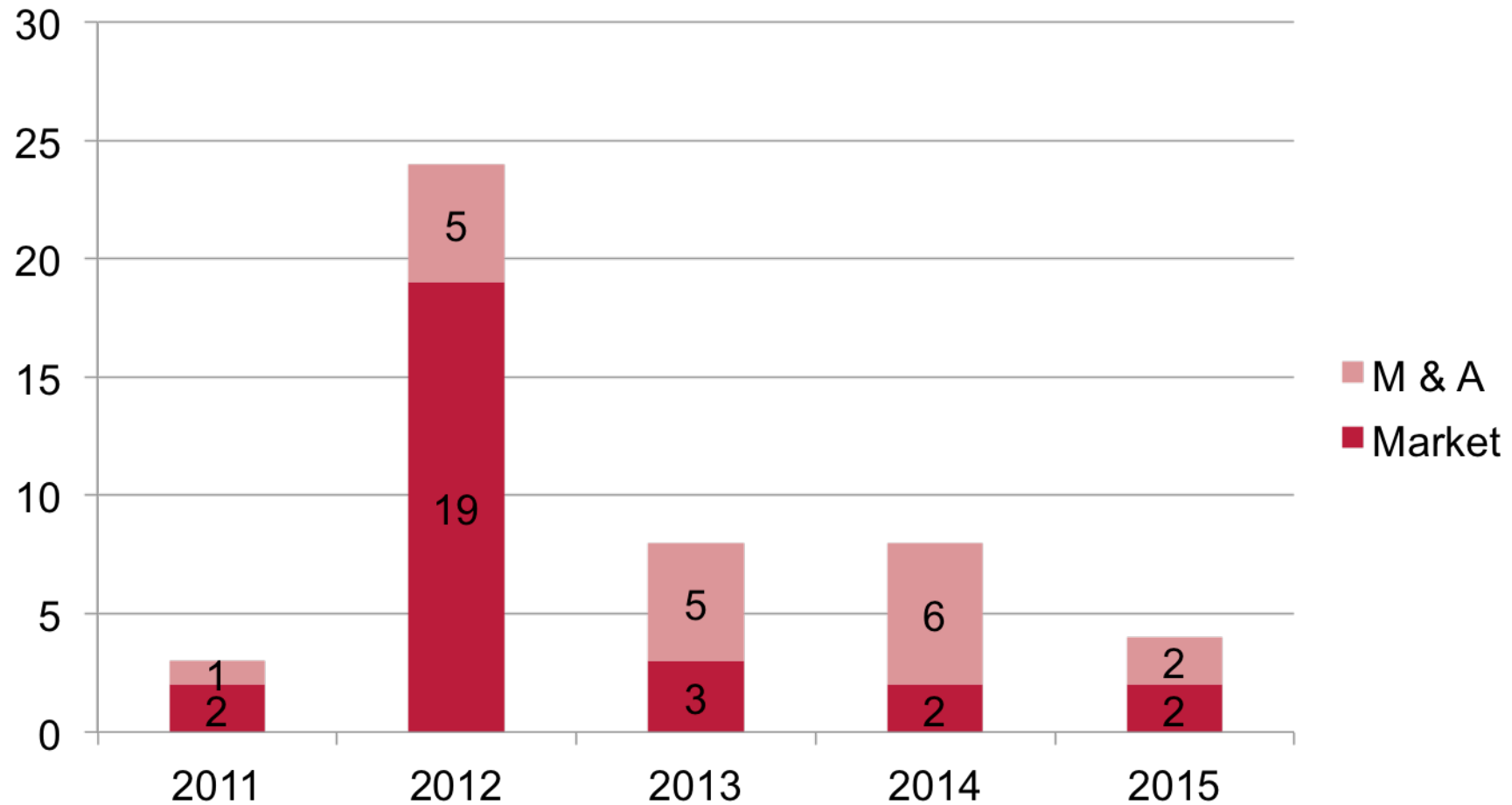


As at 15 August

IPv4 Transfer trends

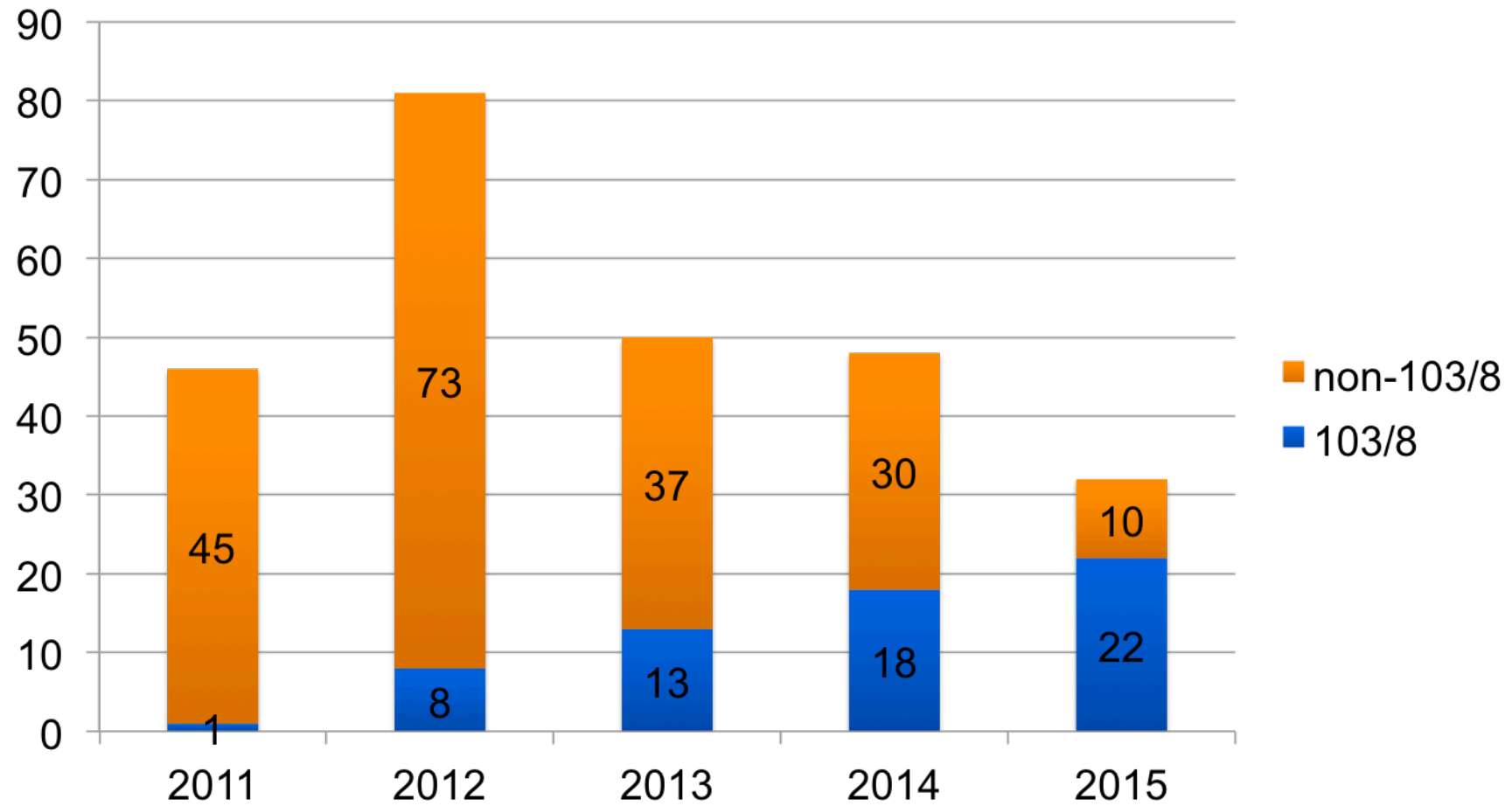
- Final /8 policy implemented April 2011
 - No policy restrictions on transfers
- Needs base evaluation implemented November 2011
 - prop-96
- Transfer fees implemented in 2013
 - Began questioning transfers within one year
- Current IPv4 evaluation practice
 - IPv4 delegations based on one-year requirement
 - Requestors asked to confirm not to transfer IPv4 address space within one year

103/8 delegations transferred within a year



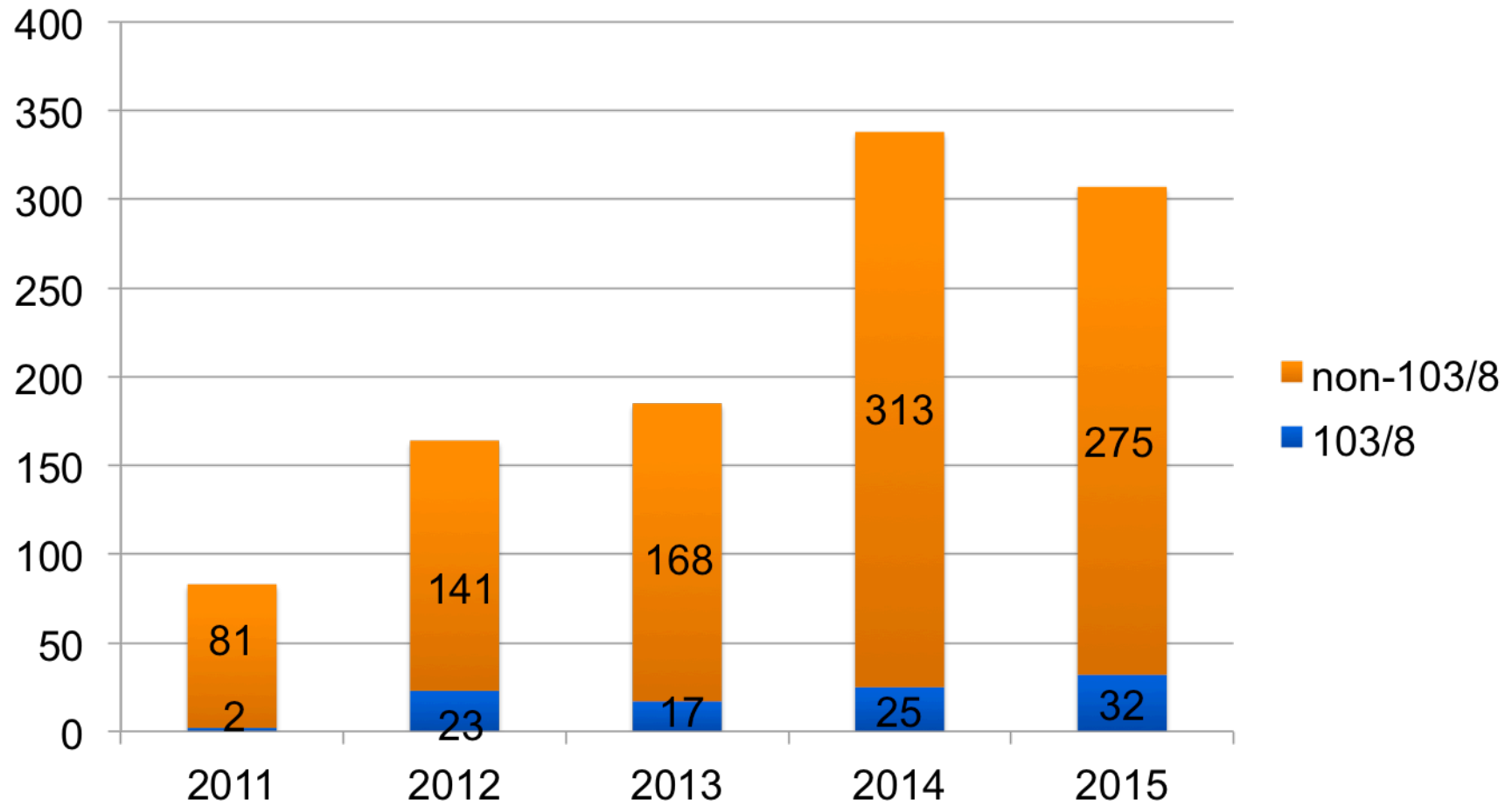
As at 15 August

M & A transfer requests



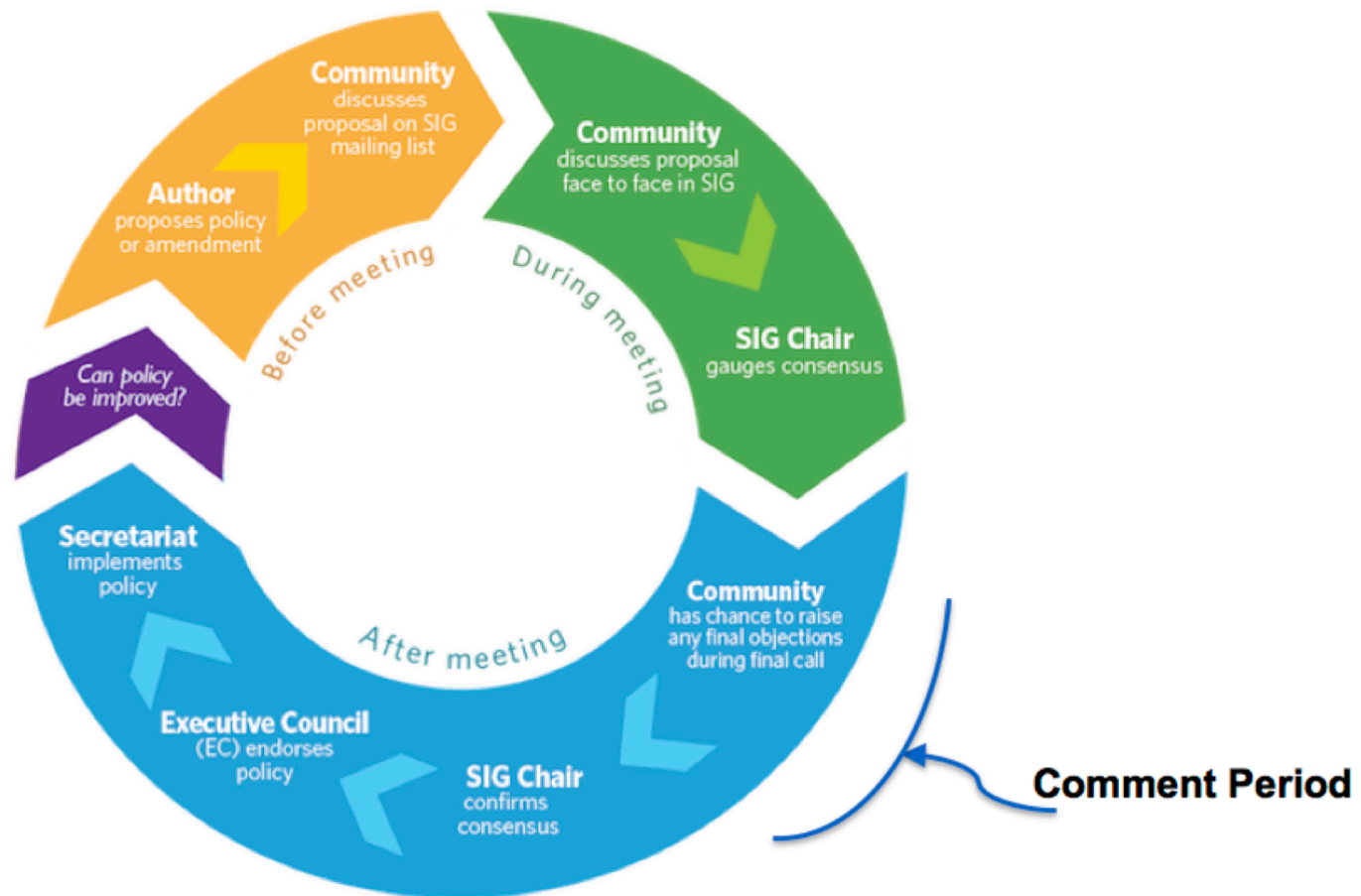
As at 15 August

Market transfer requests



As at 15 August

Get involved in the policy process



You're Invited!

- APNIC 40: Jakarta, Indonesia from 3 - 10 Sept 2015



- APRICOT 2016: Auckland, New Zealand
 - 15 – 26 February 2016
 - Hope to see you there!

Thank you

elly@apnic.net

APNIC

