

APNIC Update

ARIN 53

Paul Wilson

Strategic Plan 2024 – 2027



Registry

Allocate and register Internet number resources in the Asia Pacific region.



Development

Assist in the sustainable development and growth of the Internet in the Asia Pacific region.

Value Streams



Engagement

Encourage and support diverse community cooperation in building an open and stable Internet.



Capability

Provide comprehensive organizational support to to increase APNIC Secretariat value to the community.

Enablers

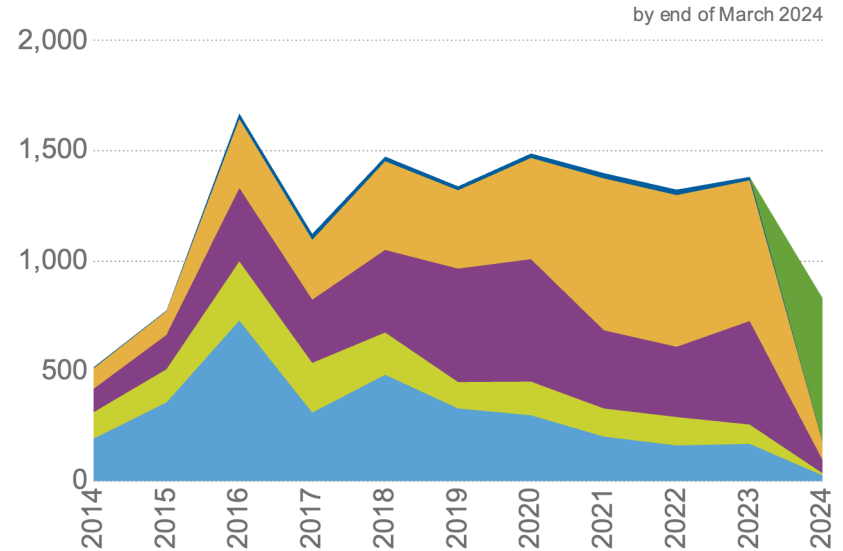
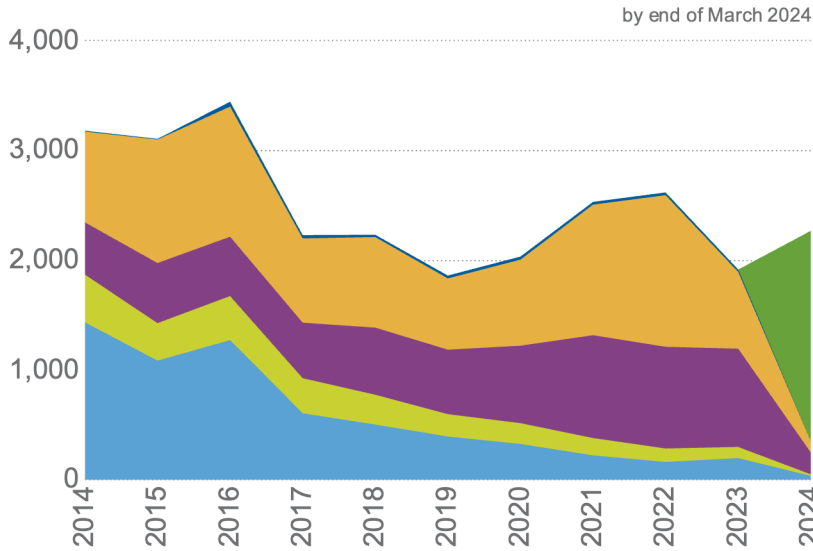
Resource delegations



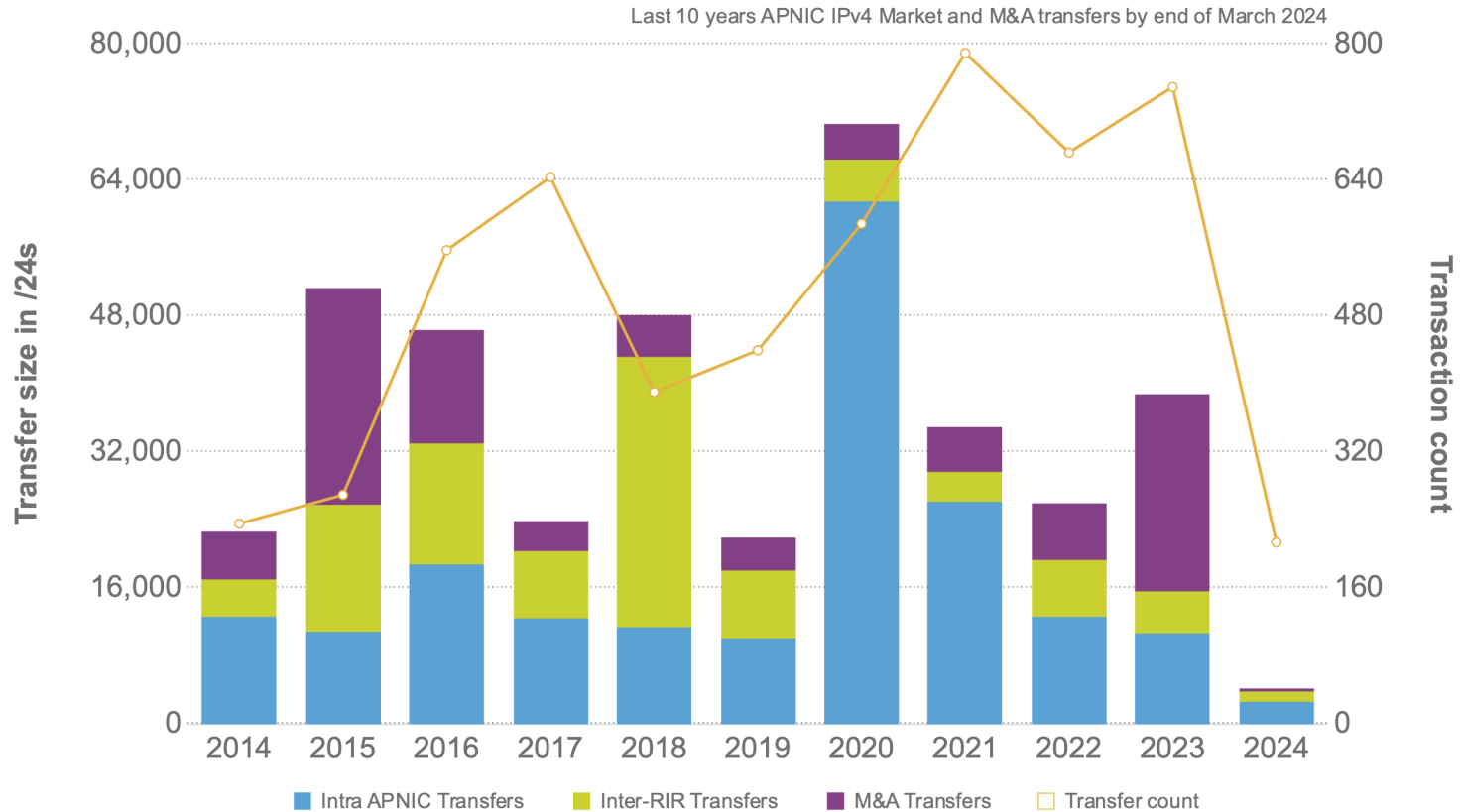
- Projection
- Out of region
- South Asia
- South-eastern Asia
- Oceania
- Eastern Asia

IPv4

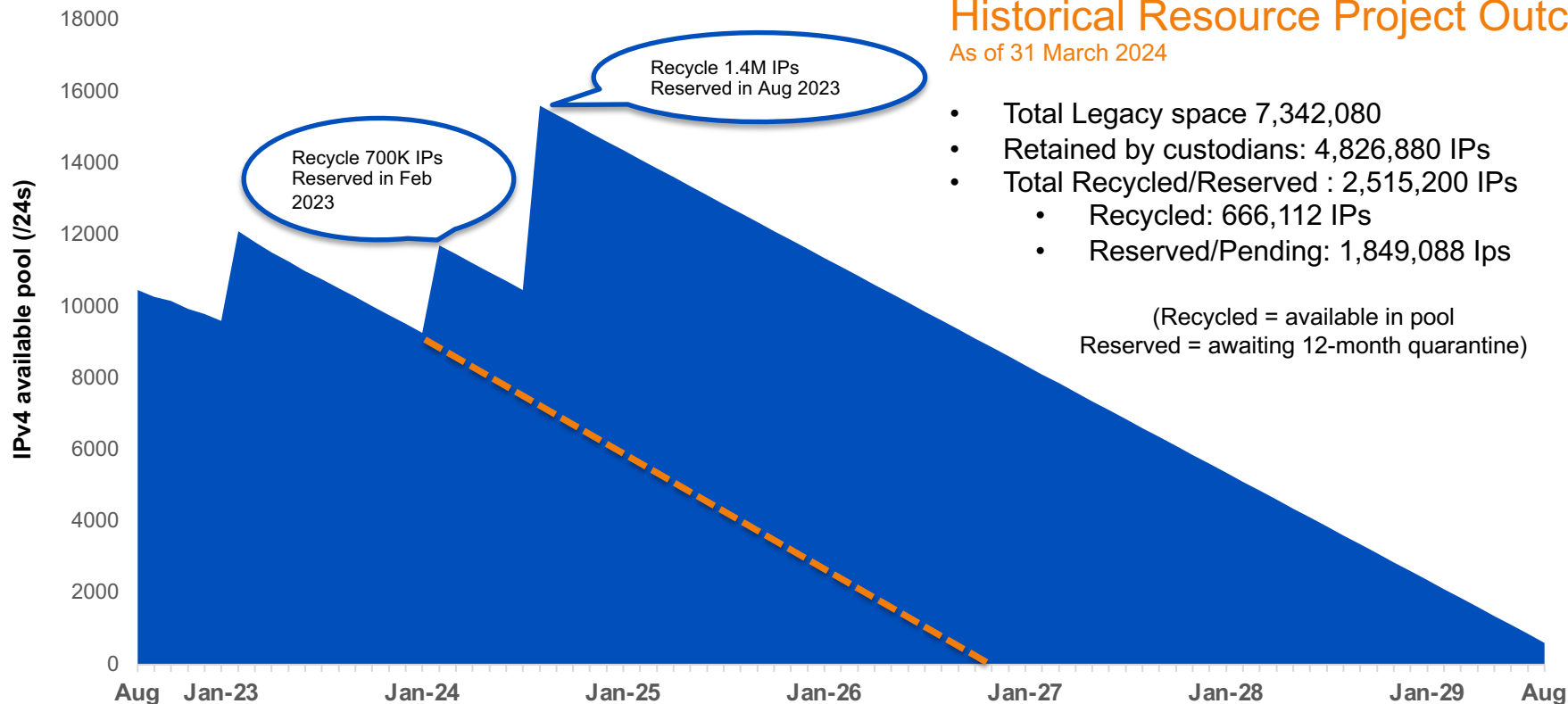
IPv6



Transfers



IPv4 available pool projection



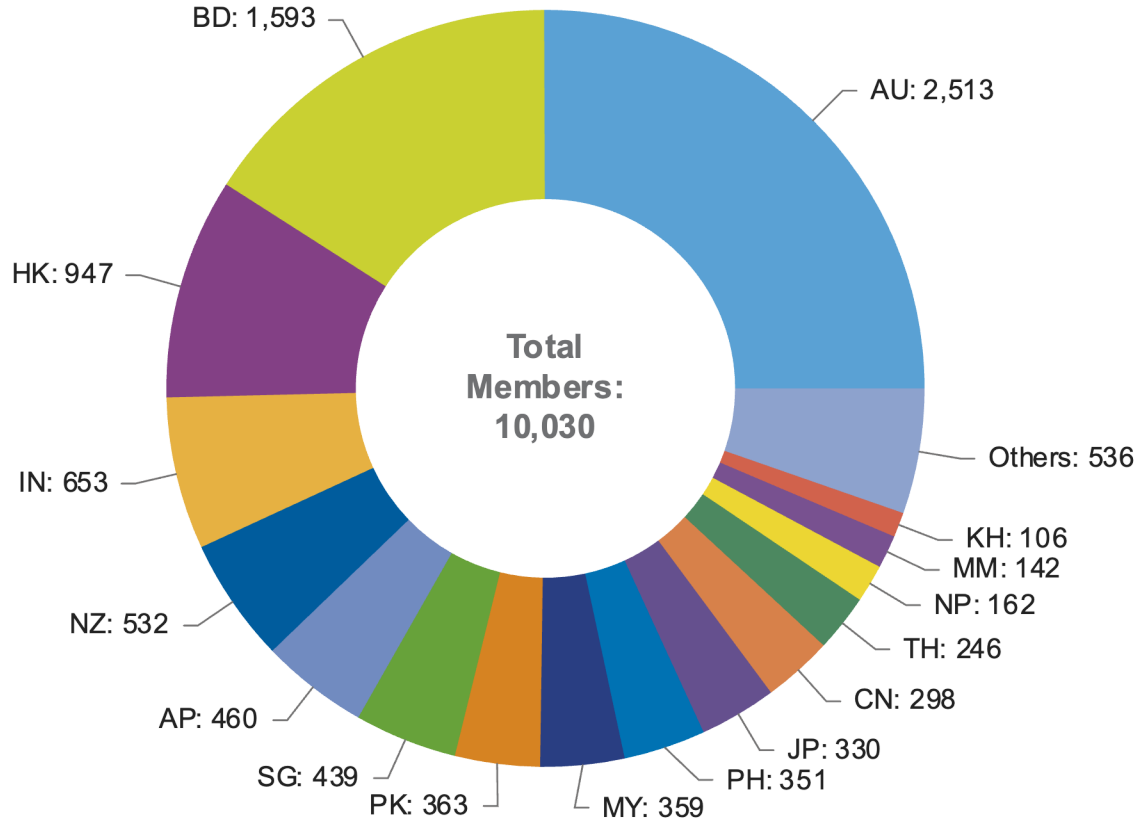
Historical Resource Project Outcome

As of 31 March 2024

- Total Legacy space 7,342,080
- Retained by custodians: 4,826,880 IPs
- Total Recycled/Reserved : 2,515,200 IPs
 - Recycled: 666,112 IPs
 - Reserved/Pending: 1,849,088 Ips

(Recycled = available in pool
Reserved = awaiting 12-month quarantine)

APNIC Membership



Product Roadmap – 2024

The screenshot displays the APNIC Product Roadmap interface. At the top, the APNIC logo is on the left, and the text 'Product Roadmap' is centered. To the right of 'Product Roadmap' are the years '2024', '2023', and '2022', with '2024' being the active year. A search bar with a magnifying glass icon and the word 'Search' is on the far right. Below the header, there is a 'Filters' dropdown menu. The main content area is divided into three columns. The first column is titled 'Next In Line' with a count of 12. It contains three project cards: 1. 'RPKI RSC Objects' with an 'Intended Outcome' of providing signing and validation functions, associated with 'APNIC Website' and '+ 2' items, and an 'OPEN' status. 2. 'NIR ASN Direct Assignments' with an 'Intended Outcome' of updating the NIR interface, associated with 'ARMS' and '+ 1' items, and an 'OPEN' status. 3. 'Automated Document Generation in MyAPNIC' with an 'Intended Outcome/Expected Impact' of accelerating document issuance. The second column is titled 'In Progress' with a count of 12. It contains three project cards: 1. 'Implement prop-155: IPv6 PI assignment for Associate Members' with an 'Intended Outcome/Expected Impact' of allowing Associate Members to apply for IPv6 Provider, associated with 'ARMS' and a 'WORK IN PROGRESS' status. 2. 'Expand suspicious traffic feature in DASH for Members not holding ASNs' with an 'Intended Outcome/Expected Impact' of providing information about suspicious traffic, associated with 'DASH' and a 'WORK IN PROGRESS' status. 3. 'Improve Member contact management in MyAPNIC' with an 'Intended Outcome/Expected Impact' of ensuring backend improvements. The third column is titled 'Done' with a count of 0 and contains a message 'No issues found.'

<https://roadmap.apnic.net>

Product Roadmap – 2023

APNIC

Product Roadmap

2024 **2023** 2022

Search

Filters

Done 33

▲ 0 □ 0

Migrate workflow code off end-of-life OS servers

This deliverable involves a comprehensive revamping and migration of workflow code from end-of-life operating system servers. It will entail migrating and updating legacy code, rewriting outdated segments to enhance efficiency and effectiveness of workflow processes. As part of the modernization, the updated code will be transferred to more suitable servers or alternative architectures, which will promote improved performance and longevity. The final phase will involve decommissioning older servers, effectively eliminating potential security risks and maintenance challenges associated with...

■ ARMS + 1

DONE

▲ 0 □ 0

Improve internal API authentication

This deliverable entails the enhancement of the current internal API authentication system in order to bolster security, optimize performance, and ensure data integrity. The work involves developing & refining mechanisms such as token-based authentication, OAuth, or API keys to verify the identity of users and systems making requests, thus preventing unauthorized access. The improvement may also cover aspects like implementing rate-limiting. This task is crucial for maintaining the privacy, trust, and overall operational efficiency of the system.

■ APNIC Login + 2

DONE

▲ 0 □ 0

WYSIWYG Editor for Orbit

This deliverable entails updating the post submission editor on Orbit to support additional formatting options, including the ability to add images and basic text formatting features. The goal is to improve the functionality of the "What You See Is What You Get" (WYSIWYG) editor, giving users a more powerful and intuitive tool to create rich and engaging content. By allowing more complex and visually appealing posts, this upgrade is intended to enhance user experience, increase user engagement, and promote a higher level of content diversity on the platform.

<https://roadmap.apnic.net>



Registry Products

Roadmap goals completed

- Pre-validate all RPKI changes to avoid errors
- Improve ASN delegation identity in whois and MyAPNIC

Additional goals completed

- prop-150 and -151 implemented
- ROA publication speed improvements
- Geofeed attribute added to whois objects
- Core registry operation updates

Roadmap goals in progress

- RSC object implementation (creation/validation)
- Update authorization mechanisms for whois

Additional goals in progress

- RPKI resilience
- RDAP re-architecture
- IRRd deployment
- Six IETF drafts



Membership Products

Roadmap goals completed

- Improve internal API authentication
- Additional widgets in MyAPNIC dashboard
- Re-architect workflow code off end-of-life OS servers
- Automate and improve account closure processes

Additional goal in progress

- Improve Member contact management in MyAPNIC

Additional goals completed

- APNIC fee calculators
- Membership renewal workflow
- Orbit platform adjustments
- Organization name change process improvements
- System updates for historical resources transition project
- Tax compliance updates
- Election and voting improvements



Information Products

Roadmap goals completed

- Add suspicious traffic alerts to the notification platform
- Expand REx to cover global RIR delegation data
- Add DASH widgets to the MyAPNIC dashboard
- Expand notification channels
- Add DNSSEC and RPKI statistics to REx
- Complete a prototype that explores graph database capabilities



Academy Products



Roadmap goals completed

- Improve Academy data reporting with BI tools
- Design training certification program
- Integrate TA platform with Salesforce case management tools

Additional goal completed

- Stage 2 of the Training Wiki migration to the APNIC Academy

APNIC PDP



Join the discussion on <http://orbit.apnic.net>, integrated mailing list platform



- prop-155: IPv6 PI assignment for associate members
 - Easier access to /48 assignments (with conditions)
 - Endorsed by APNIC EC: IPv6 PI assignments under this policy will be considered as non-chargeable resources (as expected)
- Withdrawn or Abandoned
 - prop-152: Reduce the IPv4 delegation from /23 to /24
 - prop-153: Proposed changes to PDP

APNIC 57

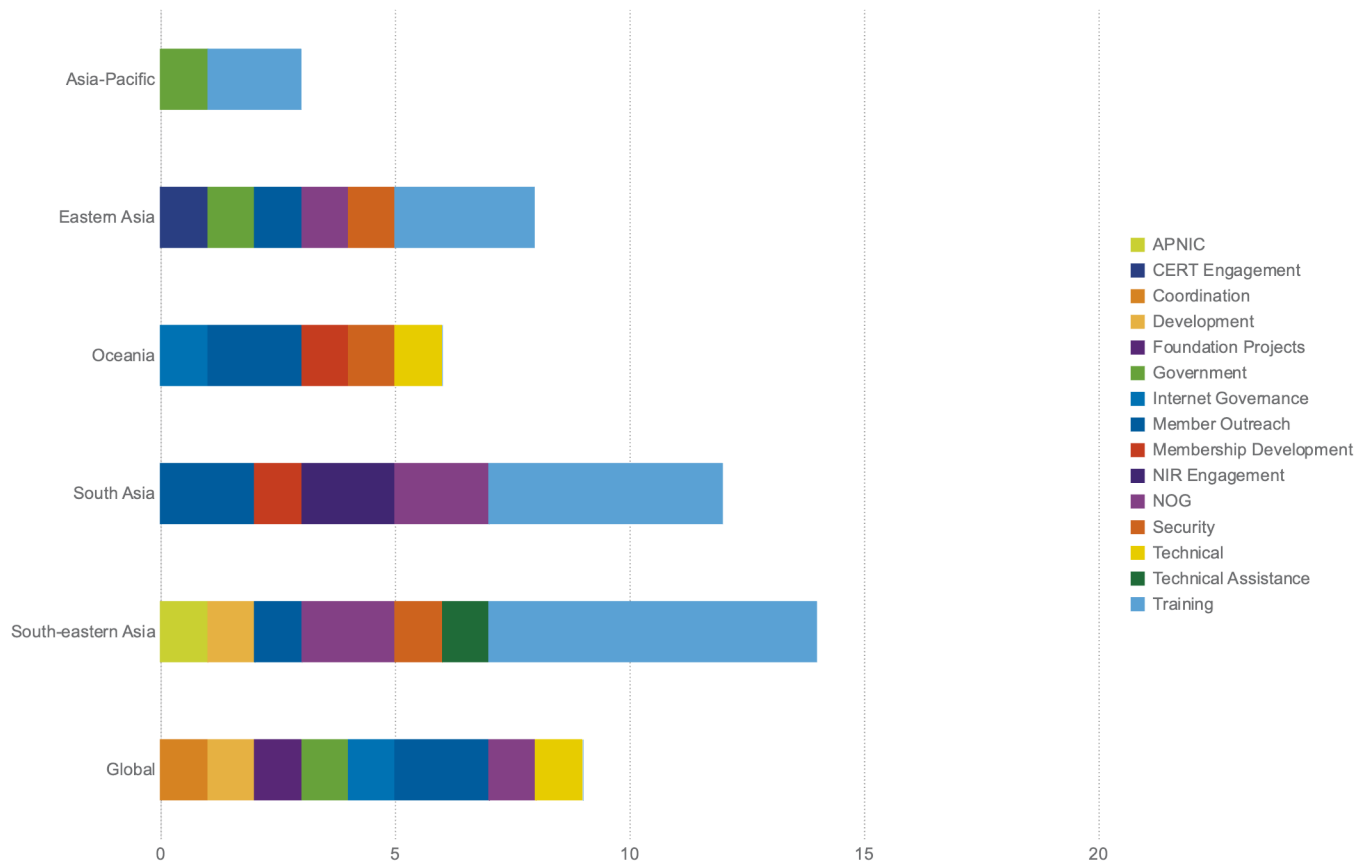


- prop-154: IPv4 assignments for IXPs
 - Change the default size of IPv4 assignments for IXPs from /23 to /26, and maximum size to /22
 - Resources assigned under this policy will be non-transferable.
- prop-156: Temporary IP resources
 - To reserve a /21 IPv4 from the non-103/8 pool, as well as a /29 IPv6 and eight ASNs
 - For delegation to events such as conferences and any other reason deemed appropriate
- No consensus
 - prop-157: Temporary IPv4 transfers
 - prop-158: IPv6 auto-allocation for each IPv4 request

PDP References

- APNIC Policy Development Process
 - <http://www.apnic.net/policy-development>
- SIG Guidelines
 - <http://www.apnic.net/sig-guidelines>
- Mailing list subscription and archives
 - <http://orbit.apnic.net>

Community Engagement





Capability

- Governance structural changes completed
 - APNIC EC Limited appointed as trustee of the sole share in APNIC Pty Ltd
 - EC members appointed as Directors of APNIC Pty Ltd
 - APNIC Members approved five resolutions to amend APNIC By-laws
- Organizational structure review and restructure
- Completed ISO 9001 external audit with zero non-conformances
- 2024 Activity Plan published
- 2023 Annual Report and audited financials published
- Kam Sze Yeung, Sumon Ahmed Sabir, and Vincent “Achie” Atienza re-elected to APNIC EC
- And you may have heard I’m moving on!
 - DG recruitment process is underway

Keep in touch!

- APNIC Survey 2024
 - Online survey will launch in June/July – please share your views
- APNIC 58 – New Zealand
 - Workshops: 30 August to 2 September
 - Conference: 4 to 6 September 2024
- blog.apnic.net and Ping podcast
- orbit.apnic.net



TE WHANGANUI A TARA
WELLINGTON,
AOTEAROA NEW ZEALAND
30 August - 6 September 2024



Thanks!